

International Conference on "Applications of Advanced Technology for Enhancing Quality of Science Education", AATEQSE - 2015. 26th -27th February 2015



Prof. Dr. G. R. Ekbote, Chairman, Business Council, P.E.S., felicitating Dr. Christoph Senft.



Release of Abstract book of the Conference.



Prof. P. S. Chirputkar awards the 'Best Poster' Winners.



Dr. Shailesh Puntambekar, Invited speech on Robotic Surgery.

National Conference on "Impact of e-Publication on Higher Education and Librarianship" , 17th-18th March 2015



Prof. Dr. G. R. Ekbote, Chairman, Business Council, P.E.S., felicitating Dr. V.B.Gaikwad, Director, BCUD, SPPU.



Release of Abstract book of the Conference.



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Back cover: WINNING ENTRIES

Top : Shrutika Bhalerao, T.Y.B.Sc. Zoology-2nd Prize

Below: Onkar Joshi, Research Student, PGRC, Botany - 3rd prize.

in the Intercollegiate Open Photography Competition organised by Modern College, Pune - 5.

Printed at Shree Mudran Mandir, Pune 411030. Progressive Education Society's

Modern College of

Arts, Science and Commerce

Shivajinagar, Pune - 411005

NAAC Re-accredited with 'A' Grade College with Potential for Excellence DBT - Star College Scheme BEST PRINCIPAL AWARD - UoP BEST NSS UNIT and BEST NSS P.O. UoP Award BEST NSS UNIT and BEST NSS P.O. State Govt. Award



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	Modern Law College, Pune - 53.
	Modern Junior College (Science) Pune - 44.
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The Pioneer and Visionary



Late Shri. Shankarrao Kanitkar

Founder Progressive Education Society Pune 5.

Special Moments

Rotary Club of Pune Uptown felicitated Educationist Honourable Prof. Dr. Gajanan Ekbote (Chairman, Progressive Education Society, Pune) with "Vocational Excellence Award" for his remarkable contribution in the educational field and social work, at the hands of Guardian Minister-Pune district Mr. Girish Bapat. Dr. Ekbote dedicated this award to all teaching and non-teaching staff of P.E. Society.





The Brotherhood Foundation, Pune felicitated Honourable Prof. Dr. Gajanan Ekbote (Chairman, Progressive Education Society, Pune) with prestigious "PUNYAGAURAV" award for his remarkable contribution in the educational field and social work, at the hands of Padmavibhushan Hon'ble Dr. Kantilal H. Sancheti. Dr. G. R. Ekbote dedicated this award to his family and all teaching and non teaching staff of P.E. Society.

Mrs. Shobha Nikam, Headmistress, P.E.S. Girls' High School and Life member PES; receives the "National Award to Teachers" at the hands of Honourable President of India Mr. Pranab Mukherjee.





Dr. Sanjay Kharat, Principal, Modern College, Ganeshkhind receives the "Best Principal Award" of SPPU, on University Foundation Day at the hands of Honourable Cabinet Minister of Maharashtra Shri. Sudhir Mungantiwar, in presence of Dr. W. N. Gade - Vice Chancellor SPPU, Prof. Dr. G. R. Ekbote - Chairman, PES, and other dignitaries.

Our Inspiration



Message

Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5, was established in 1970, as the first senior college of Progressive Education Society. As per the vision of founder members of P.E.Society, Late Shankarraoji Kanitkar and Late V.T. Tatke, we have not lost sight of the two keywords- 'Progressive' and 'Modern'. I feel that this college has progressed from a humble beginning to a glorious destination today and going to scale greater heights in future.

Modern College, after achieving 'Best college award' by Savitribai Phule Pune University in 2008, has improved its status by achieving 'A' grade from NAAC in 2010, CPE status of UGC in 2011, BSR Funds from UGC, FIST (Funds for Improvement of Science & Technology Infrastructure) grants from DST and STAR college scheme from DBT in 2013.

In this academic year, the college has been awarded 'NSS Best College Award' by Savitribai Phule Pune University and State level 'NSS Best College (Jr.College) Award' by Government of Maharashtra. The number of students enrolled during this academic year is more than 9500, and it is prestigious that there are 64 International students admitted in this year. International Student Cell is also established in the college for better services to foreign students. I am proud to mention that the college has established Digital Record Room, Digital Classrooms, Virtual Class Room, Virtual Laboratory and Digital Library for enhancing the quality of education. The college organized one International and two National Conferences and two State level Seminars this year, on topics relevant to education, biodiversity and advancements in technology. Along with academic, research, co-curricular achievements, college has crossed landmarks in Social work. Paddy plantation, socio-economic survey of neighborhood community, guidance sessions for blind students, Swachh Bharat Abhiyaan etc. are remarkable activities of the NSS unit of the college.

Our students under the Department of Physical education won 97 gold, 72 Silver and 50 bronze medals in various level sports events. Similarly, our student artists of Arts Circle have won laurels for the college. I am confident that college will progress in co-curricular and extra-curricular activities with the same pace, as in academics.

I give full credit for all these commendable achievements to the Principal Dr. Rajendra Zunjarrao and local managing committee of this college, which consists of senior educationists like Prof. P.S. Chirputkar, Prof. A.K. Pande and Prof. Mrs. J.G.Ekbote. The Vice Principals along with office bearers have been assisting the Principal with positive attitude. I am glad to mention that all teaching and non teaching staff members have contributed to the success and achievements of Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5.

The college has started Research Centers in Microbiology in addition to earlier six Research Centers .It has started 'M.Sc. Mathematics' course in this academic year. Modern College, Pune-5 is preparing for the third cycle of NAAC accreditation in July 2015.

I hope once again with the enthusiastic spirit of team work, "Team Modern" will be successful in achieving the target score of CGPA, required for becoming 'College with Excellence', along with grade "A" in re-accreditation by NAAC.

Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5, is an "ASSET" to P.E.Society as well as Savitribai Phule Pune University on account of its several achievements in field of education. I express my best wishes to the Principal, all LMC Members, the staff members and students of this college.

With personal regards,

Prof. Dr. Gajanan Ekbote M.S., M.N.A.M.S. Chairman, Business Council, P.E.Society, Shivajinagar, Pune-5.

From the Principal's Desk



I am glad to share my feelings, at the conclusion of academic year 2014-15. As usual this academic year too, was also full of enthusiasm in all academic, co-curricular and extracurricular activities. We began with the Foundation Day programme. A guidance lecture of eminent educationist Dr.S.F.Patil was arranged for the staff.

A milestone in the development of our college was the establishment of 'Digital Record Room' and 'Digital Library'. Due to these facilities the college is able to provide services to stakeholders speedily and accurately. The library infrastructure is renovated completely and ambience of library is enhanced by modern facilities like surfing of internet, accessing e-books, staff studies section, library website, library ebulletin, photocopy and printout facility and the library under CCTV surveillance.

In this academic year department wise CCTV surveillance is also provided. We have enhanced use of ICT facilities in teaching, learning and administration. Online admission procedure is adopted for all the courses in this academic year. We feel proud to note that in this academic year, 64 International students were admitted to various courses in our college. 'International Student Cell' is also established for giving better services to international students.

The college successfully organized one International Conference, two National Conferences and two State level Seminars, this year also. Number of seminars, lecture series, exhibitions were also organised by various departments for enhancing quality of teaching, research and skill development among the students. This year we have conducted three meetings of Industry -Academia Collaboration Committee, in order to get placement opportunities and guidance from industrial sector.

'Vyapar Mela (Trade Fair)-2015 was a grand event of this academic year. Our students have proved their excellence in Purushottam Karandak, Firodia Karandak and number of cultural competitions, and have won several prizes. Our Physical Education Department had organised "Sports Week" for the employees of Progressive Education Society. I am glad that two of our students were awarded with prestigious 'Star of India Award' this year. The activities of NSS and NCC were also highly commendable. Three girl students successfully completed all India Nau Sainik Camp this year and two cadets participated in Republic Day Parade at Delhi.

Members of the teaching staff have been striving hard to reach higher academic standards without compromising with their teaching assignments and routine college activities.

In the next academic year, i.e. 2015-16, our college is going to be in the third cycle of re-accreditation by NAAC. I hope, once again with our strong team work, we will go through the process efficiently and get fine results.

I would like to thank authorities of Progressive Education Society, particularly Honourable Prof. Dr. G. R. Ekbote, Chairman, Business Council, P.E.Society, for the valuable guidance and continuous encouragement. We are grateful to Chairpersons of Local Managing Committee - Prof. P.S. Chirputkar, Dr. A.K. Pande and Prof. Mrs. J.G. Ekbote and Prof. S. S. Deshmukh, Secretary of P.E.Society, for their active support. guidance and encouragement.

In this academic year the Chairman of Business Council of Progressive Education Society, Honourable Prof. Dr. G. R. Ekbote received the honours of 'Vocational Excellence Award' by Rotary International and 'Punya Gaurav Puraskar' by 'Brotherhood Foundation'. We feel proud of the great visionary, great educationist and dynamic leader, our honourable Chairman Prof. Dr.G.R.Ekbote for these achievements

We are confident that under his able guidance, our college along with other colleges and schools of Progressive Education Society, will continue progressing in all possible ways.

I am indeed very satisfied and happy to note that the Magazine Committee has been very innovative and it has once again taken painstaking efforts and ensured that quality of magazine is further improved and is ready in the given time limit. I congratulate the Chairperson and Editor Prof. Narendra M.Naidu, Advisor of Magazine Committee Prof. S.R.Chaudhari, In-charge Dr.Nayana Kulkarni and all the members of Annual Magazine Committee for their involvement and quality work.

> Dr. Rajendra S. Zunjarrao Principal

प्रशासनातील आधारस्तंभ



मा. प्रा. डॉ. गजानन एकबोटे कार्याध्यक्ष, प्रोग्रेसिव्ह एज्युकेशन सोसायटी



मा.प्रा.ज्योत्स्ना एकबोटे सहकार्यवाह, प्रो.ए.सो. अध्यक्षा, कनिष्ठ महाविद्यालय स्थानिक व्यवस्थापन समिती

उपप्राचार्य



मा.प्रा.डॉ.अ.के.पांडे अध्यक्ष,वरिष्ठ महाविद्यालय स्थानिक व्यवस्थापन समिती



मा.प्रा.प.स.चिरपुटकर अध्यक्ष, वरिष्ठ महाविद्यालय स्थानिक व्यवस्थापन समिती



💷 प्रा.शामकांत देशमुख मा.प्रा.डॉ.राजेंद्र झुंजारराव प्राचार्य



कार्यवाह, प्रो.ए.सो. उपप्राचार्य



मा.प्रा.शरद चौधरी उपप्राचार्य



उपप्राचार्य







मा.प्रा.विलास आल्हाट

उपप्राचार्य, कनिष्ठ महाविद्यालय

मा.प्रा.डॉ.यशवंत वाघमारे उपप्राचार्य



मा.प्रा.अनंत गोसावी इन्चार्ज, दे दे ए. दी.सी.ए.,एम.सी.ए.कॉमर्स



मा.प्रा.मानसिंग साळुंके समन्वयक कनिष्ठ महाविद्यालय



मा.प्रा.रवींद्र इंगोले पर्यवेक्षक कनिष्ठ महाविद्यालय



मा.रवींद्र काळे रजिस्ट्रार



We are Proud of You Glorious Moments of Kanitkar Day



Felicitation of Principal Dr. R. S. Zunjarrao on 'Kanitkar Day' - **Best Clean Campus Award** - Modern College, Pune 5 by Hon'ble Minister of Revenue Shri. Eknathji Khadse, in presence of dignitaries of P.E. Society.



Felicitation of Prof. Vandana Joshi on 'Kanitkar Day'- Best Teacher Award (Junior College) by Dr. Wasudev N. Gade - Vice-Chancellor, SPPU.



Selectation of Mr. Wias Lad on 'Kanitkar Day' - Best Non-Teaching Staff Award by Hon'ble Minster-AYUSH Shri, Shripad Naik.

Just a Few Words...

Dear Readers,

We take immense pleasure in presenting to you the Annual College Magazine-MODERN 2014-2015.

Our college has now almost set a tradition of conducting International, National and State level Conferences and Seminars every year. Hence, at the very beginning we have reports of these mega events.

The next section is of reports of various departments and associations. These include various academic initiatives, co-curricular activities and extra-curricular activities conducted by each department with full enthusiasm. These reflect the working of the respective departments and associations and also indicate the involvement of students. Reports were too exhaustive and the editorial board had to trim those for want of space. However, while doing so, we have not done any injustice to the contents of the reports. The significance of this section is that one gets to know the richness of our college on a single canvas.

The photographs interspersed, authenticate the information provided in the reports. Moreover, visual documentation is pleasing to the eyes and also to our minds.

Abhivyakti- the platform for expression for the youth of our college received a very good response. This section is very interesting and offers a variety of food for thought. It is amazing to note that our students touch upon even the subtle features of life through simple narratives. Few of the articles and poems are thought provoking. A few staff members also have contributed to this section. Thanks to all those who added value to our magazine by their contribution.

The cover design was conceived by our Principal Dr.R.S.Zunjararao. Mr.Chinttan Devalia creatively worked on it and has produced an excellent front page. The rear cover is in appreciation of the Prize winners of an Inter-collegiate photography competition held by our college. The winner entries have the honour of being placed on the cover of the Annual College Magazine.

The Editorial Board expresses gratitude towards all the Office Bearers of the Business Council of the Progressive Education Society, our Principal Dr.R.S.Zunjarrao and all the Vice-Principals for their support and encouragement. We thank our colleagues, the office staff, non-teaching staff and students for their cooperation.

We express our sincere appreciation to Shri.Madhav Nagpurkar and Shri.Avinash Kakade of Shree Mudran Mandir for their tireless work and patience. Thanks are also due to Shri. Hemant Date for the group photographs.

We have been very careful and meticulous in shaping this magazine to its final form. Inspite of that, we do not deny the possibility of a few lapses, so please bear with us. Your feedback is welcome.

Narendra M. Naidu Editor

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"Application of Advanced Technology for Enhancing Quality of Science Education"

CORRECTION CONTRACTOR CONSIGNATION CONSIGNAT

A two day International Conference on the topic "Application of Advanced Technology for Enhancing Quality of Science Education" was organized on 26th and 27th February 2015, by Internal Quality Assurance Cell (IQAC) of Modern College of Arts, Science and Commerce Shivajinagar, Pune-411005, under Quality Improvement Programme of Savitiribai Phule Pune University, Pune. Dr. G.R.Ekbote, Chairman, Business Council, Progressive Education Society, Pune -5 was the Chief Organizer, whereas Principal Dr. R.S. Zunjarrao was Convener of this conference. Prof. S.R.Chaudhari acted as Organizer of the conference whereas Dr. Rebecca Thombre and Prof. S.S.Thengadi were Co-organizers of the conference.

142 participants registered as delegates, out of which 41 were from foreign countries and 74 were students. Eleven invited talks were delivered in the conference in these two days. Eighty six research posters were presented during the conference and they were judged for best out of the three categories. Abstract book of the conference was released and made available to all delegates during the conference.

On 26th February 2015, Inaugural function began at 11a.m.with Sarasvati Vandana by Mrs. Swati Patwardhan. Dr. Mrs. Rebecca Thombre, co-organizing secretary elaborated theme of the conference. Principal Dr. R.S.Zunjarrao spoke about various achievements of our college. Chief Guest of the inaugural function was Dr. K.C. Mohite, Dean, Faculty of Science, Savitribai Phule Pune University, Pune-7. He explained the use of advanced technology in enhancing quality of education with examples. Plenary Lecture was delivered by Dr. Christoph Senft (Germany) Hon. Director, German Academic Exchange Service (DAAD). He elaborated the use of technology in effective teaching as well as in academic administration with reference to education in Germany. Prof. Dr. G.R. Ekbote, Chairman, Business Council, Progressive Education Society, Pune-5, in the Inaugural Address told about the use of advanced technology in Life Science and Medical Science for practical demonstrations, simulations etc. Key note address given by Dr. Vijay Bhatkar (Padmashri Awardee) was projected as Virtual talk using ICT. Prof. S.R. Chaudhari Organizing Secretary proposed the Votes of Thanks.

In the first session Azhar Wadikar, Test Lead, Capgemini nicely elaborated on the concept of

bridging the gap between IT and education. He explained about tools Moodle and Testmoz as tools used for Learning management system and automatic assessment system.

The second speaker Amreen Belim, Associate Consultant, Atos SE (Societas Europaea), explained QTP tools designed for self-education and evaluation of courses with respect to desired syllabus.



The third speaker Abhijit Kale Senior Manager Key Account, Harbinger Knowledge Products, India elaborated usage of technology in science and use it for better interactivity, understanding as pedagogy in teaching.

The second session began after lunch break, where poster presentation was organized in Assembly hall of the college. Eighty six posters were presented. These posters were judged by eminent scientist/professors for best poster awards. The posters were categorized in three categories viz. 'ICT in Education', 'ICT in Research' and 'ICT in Digitization'. University of Melbourne delegation consisting of Prof. Andrew Drinnan (Biology, Associate Dean Learning and Teaching),



Prof. Ian Woodrow (Biology), Dr. Debora King (Maths and Assistant Dean, Undergraduate Program), Prof. Muthupandian Ashokkumar (Chemistry, Associate Dean, Engagement) took active part in the poster presentation session. They interacted with the poster presenters and discussed ideas behind various techniques that are used for enhancing quality of education in Australia and India. Participants from Afghanistan, Iraq, Japan, Mauritius also interacted for

the techniques useful for enhancing quality of education.

A two hour cultural programme was organized after poster session by Arts circle of the college under guidance of Prof. S.D. Purohit, Chairperson of Arts circle. Indian cultural activities were presented in this session.

On the second day, Dr. Nachiketas Bhatkar, CEO, India International Multiversity, delivered a presentation of a truly online classroom system developed as multiversity. He elaborated ancient concept of Gurukul system and how it can be true even nowadays by using "Advanced Collaborative Education" (ACE) platform, developed by them.

Second invited talk by Prof. Upendra Lad, CEO of Hindustan Computers, Malegaon (Maharashtra), elaborated use of VRIDDHI brilliant software for college management. Students' evaluation record, use of digital library and online feedback for evaluation are the major feature keys useful for enhancing quality of education.

The third speaker Dr. Anjan Banerjee, Scientist, Indian Institute of Science Education and Research, Pune explained long distance mobile signals in phloem that control tuberization and plant development in potato. This lecture was intended for use of technology in science education and research.

The fourth session began after lunch by invited Speaker Deboshish Das,Digitech Solutions, Kolkata. He explained with demonstration importance of integrated virtual science laboratory in education particularly for undergraduate classes. He demonstrated virtual experiments in Physics, Chemistry and Biology. This module provides school-to-career job skills with real world motion tools.

Dr. P. Tetali, CEO, Temple Rose Livestock Farming Pvt. Ltd. India, enlightened concept of digital Haritarium with advanced technology useful for students of Botany.

Dr. Urmila Kale-Kulkarni, Institute of Biotechnology and Bioinformatics (IBB), Pune, explained use of advance technology in bioinformatics. The computer software developed for Bioinformation and its use for Biotechnology students was cleared in this talk.

In the fifth session Dr. Shailesh Puntambekar, Medical Director and Oncosurgeon, Galaxy Care Laparoscopy Institute, India, nicely presented robotic surgery, to teach medical science students. This technology cleared the idea of advanced techniques used for teaching as well as in practical applications.

Dr. Abhijit Shirke CEO, Shirke Energy Pvt. Ltd, India elaborated use of technology to learn and develop system of Biomass, Biofuel. The technology can be used to learn these concepts by students of Life science.

As concluding session of the conference a Panel discussion was organized. Dr. S.Y.Paranjape - Senior Scientist, Prof. P.S.Chirputkar - Eminent Professor of Statistics, Principal Dr. R.S.Zunjarrao, Prof. S.R.Chaudhari, Prof.S.S.Deshmukh, Mr.Ashutosh Karndikar AQS Business Development (Manipal Digital) took active part in this session. Whether the use of Advanced technology in enhancing quality of education will be useful or will it have limited application or can we totally replace existing education tools, such type of queries raised by the delegates were answered by panel members. Panel discussion concluded with the understanding of effective application of advanced technology for enhancing quality of education.

In the Valedictory function Dr. Rebecca Thombre read proceedings of the conference. Principal Dr. R.S.Zunjarrao appreciated the success of the conference. Best Poster presentation awards were declared and winners were felicitated with medals. Feedback from participant delegates described success of the conference and overall organization of the conference.Prof. S.S. Thengadi gave Votes of Thanks.

Success of the conference

The International conference on "Application of Advanced Technology for enhancing Quality of Science Education" was successfully organized by Internal Quality Assurance Cell (IQAC) of P. E. Society's Modern College of Arts, Science and Commerce College, Shivajinagar, Pune-5 under Quality Improvement Programme of Savitribai Phule Pune University, Pune. Following were the highlights :

1. The ideas and techniques used for enhancing quality of education were discussed in plenary lectures, invited talks, posters presented, demonstrations.

2. Various tools developed for education were uncovered for the delegates in the conference.

3. Active Interaction among the international participants on education systems in various countries and use of technology for enhancing quality of it were discussed during lunch, dinner and panel discussion session.

4. Through poster session various ideas regarding use of technology for enhancing quality of education came forward which could be converted into tools by technology.

5. Abstract book of the conference was published on the opening day of the conference.

6. IQAC of the college has decided to implement the advanced techniques discussed during the conference in the college.

ACKNOWLEDGEMENT

The organizers are thankful to BCUD, of Savitiribai Phule Pune University, Pune for financial support under Quality Improvement programme. Organizers are also thankful to Prof. Dr. G.R.Ekbote, Chairman, Business Council, Progressive Education Society, Pune-5 for encouragement and guidance. Thanks to Progressive Education Society, Pune-5 for making available the auditorium to organize the conference. I must mention deep sense of appreciation to our Principal, IQAC members, all staff members who worked in various committees constituted for the conference and also our student volunteers of Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5 to make this conference a grand success.

Prof. S.R.Chaudhari Vice Principal and Organising Secretary

National Conference on 'Dynamic Microbes: Role in Human Welfare'

Organized by

Department of Microbiology

The National Conference on "Dynamic Microbes: Role in Human Welfare" organized by Department of Microbiology, Modern College of Arts, Science and Commerce, was inaugurated by honorable Padmashree Dr. Sharad Kale, in presence of Prof. Dr. Gajanan Ekbote, Prof.Mrs.Jyotsana Ekbote, Principal Dr. Rajendra Zunjarrao and Secretary, PES, Prof. Shamkant Deshmukh.

Dr. Rajendra Zunjarrao gave the welcome address.. Honourable Prof. Dr. Gajanan Ekbote declared the inauguration of conference and shared information about his research work on human gut flora.

Chief guest of this function honourable Padmashree Dr. Sharad Kale, Scientist, BARC, Mumbai, said that India was far behind in research as compared to other countries and we should take up this seriously and work on it.

Vote of thanks of inaugural function was proposed by Prof. Shamkant Deshmukh .

The first session of the conference was started with the key note address by Dr. Sharad Kale. He specially gave importance to philosophical aspect of Microbiology.

The second session started with the lecture by Dr. S. Shivaji, Research consultant, L.V. Prasad Eye Institute, Hyderabad. Telangana. He spoke on the adaptation, evolution and biodiversity of psychrophilic bacteria.

The next lecture in this session was of Dr. Durg Singh, Scientist F, Infectious diseases biology, Institute of Life sciences, Bhuvaneshwar. He spoke about biofilm formation in pathogens and role of ica genes in formation of biofilms.

Third session was poster session. In this 73 posters were keenly evaluated by eminent scientists: Dr. Prashant Dhakephalkar, Dr. Pradnya Kanekar, Dr. Ramchandra and Dr. A. M. Deshmukh.

Next day on 21st February the first session was started by the lecture of Dr. Piyush Pande, Asst. Prof. Department of Microbiology, Assam University, Silchar. In his lecture he emphasized on the importance of plant growth promoting rhizobacteria and the significance of good quality soil on the growth of rhizobacteria and plants.

The next lecture in this session was of Dr. V. C. Kalia, Chief Scientist, CSIR institute of Genomics and interactive biology, Delhi. In his talk he spoke on Microbial Genomes: A Reservoir for Green Fuels and Biopolymers.

The next talk in this session was given by Dr. T. Satyanarayan, Prof, Department of Microbiology, Delhi University. In his lecture he presented the significance of Function of C- and N-terminal ends in amylopullulanase of the extremely thermophilic bacterium *Geobacillus thermoleovorans*.

The last lecture in this session was given by Dr. N. Mathivanan. In his lecture he provided rich information on "Diversity and Bioactive Potential of Marine Extremophiles from the Bay of Bengal and its associate environments".

Fourth session was interactive session in which Dr. Rita Kumar. Chief Scientist, Institute of Genomics and Integrative biology, Delhi, Dr. Venkateshwar G, Head, Food Microbiology, CFTRI, Mysore, Karnataka and Prof. Ramchandra, Head, Dept of Environmental Microbiology, BAAU, Lukhnow, took part.

All invited speakers summarized their research work after which the respected speakers actively resolved queries from the audience.

The Valedictory session was held in the presence of the chief guest Dr. V.C. Kalia, Dr. Gajanan Ekbote, Chairman, Business Council, Progressive Education Society, Dr, Rajendra Zunjaraao, Convener (DMRiHW) and Principal, Modern College of Arts, Science & Commerce, Shivajinagar and Vice-Principal Prof. S.R. Chaudhari.

Dr. Shilpa Mujumdar (Organising Secretary DMRiHW & Head, Department of Microbiology) gave overview of the conference and Prof. Vivek Bobade (Coordinator, DMRiHW & Assistant Professor, Department of Microbiology) gave vote of thanks.

- Dr. Shilpa Mujumdar Organising Secretary, DMRiHW

National Seminar on

"Impact of E-Publications on Higher Education and Librarianship"

17th - 18th March 2015

anner anne

National Seminar on "Impact of E- Publications on Higher Education and Librarianship" was jointly organized by Libraries of P. E. Society's Modern College of Arts, Science & Commerce, Pune - 5 and Pune - 16 and Modern Institute of Business Management; on 17 & 18 March 2015. This seminar was sponsored by Indian Council of Social Science Research, New Delhi. Venue of the seminar was Progressive Education society's Auditorium, Shivajinagar, Pune - 5.

About Seminar:

Libraries play an important role in providing up to date and exhaustive information to their users. They subscribe various electronic resources, databases, online journals, clinical resources, e-book etc. depending on the type of libraries, their objectives and their users.

E-Publications have many advantages as compared to printing. The services of most of the academic libraries are not confined within the four walls but are integrated into local, regional, national and even international networks. E-publishing is basically a form of publishing in which books, journal and magazines are being produced and stored electronically rather than a print form.

In the changing scenario, libraries and librarians will have to play a crucial role in handling conventional and electronic resources.

125 participants registered for this seminar. 30 full papers were received for the seminar and proceeding book with ISBN number was released in the inaugural function of the seminar. Following were the guest for inaugural function of seminar:

* Chief Guest: Dr. V. B. Gaikwad, Director, BCUD, SPPU.

* Guest of Honour: Dr. E. B. Khedkar, Dean Faculty of Management, SPPU.

Inaugural Speaker: Dr. B. M. Panage, Librarian, Jayakar Library, SPPU.

* Welcome Speech: Dr. Zunjarrao, Principal, Modern College of Arts, Science & Commerce, Pune 5.

* Key note speaker: Dr. Usha Munshi-Librarian, Indian Institute of Public Administration, New Delhi.

* Dr. Prof. G. R. Ekbote, Chairman, Business Council, P.E.Society presided over the function.

There were 4 sessions in the seminar and following resource person guided the participants in these technical sessions: * Dr. Ashok Y. Asundi: Former Professor and Chairman, Dept. of Library and Information Science, Bangalore University, Bangalore * Dr. Rajendra Kumbhar: Dept. of Library and Information Science, SPPU, Pune * Dr. Shubhada Nagarkar: Dept. of Library and Information Science, SPPU, Pune * Mr. Pralhad Jadhav: Manager - KM Practioner & Regional Head Librarian * Dr. Neela Deshpande: Former Librarian & Head, Dept. of Library and Information Science, SPPU.

Dr. Karisiddappa C. R., former UGC Emeritus Fellow, and Professor and Chairman, DLISc, Karnatak University, Dharwad concluded the sessions and gave recommendations as the outcome of this seminar.

Valedictory Function:

The Valedictory function saw the presence of a galaxy of dignitaries. They included, Dr. Prof. R. K. Kale, Former Vice Chancellor of Central University of Gujarat, Gandhinagar, and presently Professor of Life Sciences, Jawaharlal Nehru University, New Delhi, Dr. Prof. W. N. Gade, Vice Chancellor, SPPU, Pune, Dr. Prof. S. K. Patil, former Librarian and Head, Jayakar Library, SPPU, and now Librarian, Symbiosis University, Pune, Prof. R. S. Zunjarrao, Principal, Modern College of Arts, Sciene and Commerce, Pune 5 and Dr. Gajanan Ekbote, Chairman, PES and an eminent Surgeon, joined by Smt. Jyotsna Ekbote Joint Secretary, PES on the dias.

The topic of the seminar was very important with respect to higher education. The seminar was successful in a way to make aware, the library professionals and users about the change in library contents and library services due to technology.

Mrs. M. S. Datre Librarian, MCASC, Pune 5 and Seminar Convener

State Level Seminar on

"Freshwater Ecosystems of Maharashtra: Their Biota, Ecology and Health"

Organized by Department of Zoology

Conservation Contraction Contraction

The department of Zoology of our college took lead in organizing this Seminar on 6th and 7th February 2015. It was for the first time that the Department of Zoology organized a State level Seminar.

This State level Seminar was funded by Board of College and University Development (BCUD), SPPU, Pune and by P.E.Society's Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5.

The theme of the Seminar being focussed on Freshwater ecosystems, it was befitting to have Dr.Rajendra Singh - the Waterman of India, as the Chief Guest. Dr.A.K.Pande, Member, Local Managing Committee (Modern College),presided over the function. Principal and Convener of the Seminar Dr.R.S.Zunjarrao and Organising Secretary and Head, Department of Zoology, Mr.Narendra Naidu were also present on the dias.

In his key note address Dr. Rajendra Singh enlightened the audience on "Effective use of water, management and conservation". He commented on the destruction of natural ecosystems, in the name of development. He discussed case studies of water problems and issues in Rajasthan. He guided the participants and the general audience to find local solutions to global environmental problems.

Mr.Kiran Purandare, a Naturalist and a renowned Ornithologist shared his personal experiences related to "Natural waterholes: Conservation and Sustainable use". He substantiated his narration with success stories on the field.

Dr.Neelesh Dahanukar of Indian Institute of Science Education and Research (IISER,) Pune, spoke on "Diversity and Distribution of Freshwater Fishes of Western Ghats of Maharashtra"

He emphasized that the Western Ghats of India harbours a rich

diversity of freshwater fishes with about 342 species under 11 orders and 37 families, out of which 234 species are endemic to this zoogeographic region.

There is an immediate need for better investigation of freshwater fish diversity and distribution in the Western Ghats of Maharashtra.

Mr. Nikhil Modak from Department of Biodiversity, MES Abasaheb Garware College, Pune, presented his team's work on "Diversity and Distribution of Amphibians of Maharashtra".

The Western Ghats are a doorstep for south-west monsoon and cause precipitation in this area.

Amphibians are rainfall dependent fauna and hence have a highest diversity in the Western Ghats and allied region. Maharashtra harbors 49 species of amphibians from 24 genera and 10 families from 2 orders viz. Anura and Gymnophiona.

Retired Chief Engineer (Civil) Hydro Projects, Maharashtra-Mr. Deepak Modak, spoke on

"Wetland Conservation". A wetland is a land area that is saturated with water, either permanently or seasonally, such that it takes on the characteristics of a distinct ecosystem. Primarily, the factor that distinguishes wetlands from other land forms or water bodies is the characteristic vegetation of aquatic plants, adapted to its unique hydric soil (soil which is permanently or seasonally saturated by water, resulting in anaerobic conditions).





As we need water and power for sustainable development of Agriculture and Industry, we need to build and maintain dams. For power, we can build small dams and implement Pumped Storage Power Schemes.

Dr.Satish Pande, the well known Ornithologist, elaborated on "Aquatic ecosystems as Opportunities for Avian Research". He pointed out to various career opportunities and conservation project initiatives in this area.

Mr. Aniruddha Chaoji of Pugmarks dealt with the case study of Ambuja Cement environmental project on "Eco-restoration of limestone quarries". This added a new perspective to environmental restoration methods in urban and sub-urban areas.

Dr.Anand Padhye of Garware College, Pune, discussed about "Limnology: Tools and techniques". The aquatic ecosystems in Northern Western Ghats are threatened by human intervention in various ways. There are many natural aquatic habitats such as wetland, lakes streams and rivers, which seek attention for their conservation.

Limnological studies shall be useful for the monitoring of various components of the aquatic food chain and the data will be of immense importance for planning and executing conservation strategies.

The first day of the Seminar concluded with a Poster session.

The second day also had in store eminent researchers, academicians and field workers to share their first hand knowledge with the participants.

Dr. Venkat Gunale, Professor of Ecology explained about "Algal flora in assessment of freshwater ecosystem".

Algae are the major producers of an aquatic ecosystem. These water bodies are classified as oligotrophic having poor level of nutrients while nutrient rich one are eutrophic. Change in the concentration of these nutrients lead to increasing growth of algae and macrophytes. Algae play an important role in assessing freshwater ecosystem. These studies could be qualitative as also quantitative.

Dr. Pradnya P. Kanekar, CSIR Emeritus Scientist, Modern College, Pune, delivered a talk on "Alkaliphilic bacteria from Lonar Lake, North Maharashtra and their biotechnological potential for betterment of health"

Alkaliphilic bacteria are the microorganisms that grow optimally at pH values above 9, often between 10 and 12, but cannot grow or grow only slowly at the near neutral pH value of 6.5. They thrive in the alkaline environments like soda lakes, paper and pulp production wastes, indigo dye waste etc.

Lonar lake situated in Buldhana District of North Maharashtra is a unique, alkaline soda lake formed by meteorite impact crater in basaltic rock and ranks third in the world based on its dimensions.

Alkaliphilic bacteria from Lonar lake thus find a wide range of applications for betterment of health particularly by providing antimicrobial compounds to control multi drug resistant pathogenic microorganisms, environment friendly biodegradable polymer having biomedical applications, exopolysaccharides as gelling agents in food industry and industrial enzymes.

Sameer M. Padhye, Wildlife Information Liaison Development society, Coimbatore, emphasized on new area for study "A peek into the diversity of Branchiopoda (Arthropoda: Crustacea) of Western Ghats of Maharashtra'and Goa"

The main aim of the study was to document the diversity of Branchiopoda which are a group of primarily freshwater crustaceans from the Western Ghats of Maharashtra and Goa (NWG) along with their ecological and distributional patterns.

Total of seven species of large branchiopods were found with two new records to NWG and with a description of a new endemic species of Fairy shrimp, *Streptocephalus sahyadriensis*.

Fifty one species of Cladocera were found from a group of 230 samples representing about 40 % of Indian fauna. A new species of Moina, *Moina hemanti* was described from Pune along with 8 new records to Northern Western Ghats and Maharashtra and two to India..

Shruti V. Paripatyadar, Abasaheb Garware College, spoke on "Aquatic and semi aquatic Heteroptera of Western Maharashtra"

The diversity and distribution of aquatic and semi aquatic Heteroptera (true bugs), which represent the top level carnivores in many freshwater ecosystems in the Western Ghats, is poorly known. In Maharashtra, Hence, the present study was initiated to collect aquatic bugs from some localities in and around the Western Ghats of Maharashtra to assess their diversity. The types of habitats studied include large permanent water bodies, temporary ponds and pools formed on plateaus during Monsoon.

The present study will thus provide the first step in the conservation of threatened freshwater habitats of the Western Ghats.

Sayali D. Sheth, Abasaheb Garware College, Karve Road, spoke on "Aquatic Coleoptera from Western Maharashtra revisited"

Aquatic Coleoptera or aquatic beetles are adapted to live in or on water. They have high diversity in terms of number, size, form, habit and habitat. A Catalogue of Dytiscids from India and the adjacent countries reports over 250 species from India, while another checklist of Maharashtra reports 57 species under Dytiscidae, Gyrinidae, Noteridae and Hydrophilidae families.

Our results suggest that the fauna is under-estimated and more intensive sampling will reveal more number of species or even new species.

Mihir R. Kulkarni, Savitribai Phule Pune University, delivered a talk on "Freshwater Diaptomidae (Copepoda: Calanoida) from the Western Ghats on Maharashtra"

Copepods (Crustacea: Copepoda) are among the most numerically abundant metazoans on earth. They inhabit both marine and freshwater realms, and occur in a variety of habitats, both aquatic and semi-terrestrial. They play the important ecological roles of primary as well as secondary consumers, forming crucial components of aquatic food webs. Currently, over 13000 species are known, most of them being marine and over 2800 inhabiting freshwater. Of the five orders inhabiting inland waters, the representatives of Calanoida, Cyclopoida and Harpacticoida are commonly observed.

Many of the rare species were observed in temporary pools which are fragile habitats facing anthropogenic threats. Base line data on such taxa are needed in order to make informed directives for conservation, which is important in the face of the tremendous anthropogenic threats faced by the aquatic habitats.

Dr. Hemant V. Ghate, Department of Zoology, Modern College, delivered a talk on "Freshwater Ecosystems : an overview"

Freshwater ecosystems exist in a variety of form: temporary rainwater pools, ponds, lakes, wetlands, streams and rivers are common everywhere. In addition there are underground caves with freshwater and so also wells that tap underground freshwaters. Man has created many artificial lakes and canals, some of which are of gigantic size. All these waterbodies are precious to human being as the only source of freshwater that we need constantly. At the same time these waters hold a galaxy of organisms that are dependent on it for their survival and reproduction.

What we need is major drive to study precious water bodies, monitor the changes that occur in them and try our best to conserve and protect these ecosystems. This is important for ultimate survival of human species itself as we are also part of this complex food chain. We need clean water, fish and prawns, recreation and sports that depend on water, and so many things. We should not just look at the governments and municipal corporations to do 'cleaning' job. Every citizen must become an informed protector of such water bodies and then alone we will be able to achieve this.

Dr. Erach K. Bharucha, BVIEER, spoke on "Wetland Eco-restoration"

The Pashan lake was once an excellent water body with a wealth of avifauna and fish diversity. It had a Babul forest surrounding the entry of Ramnadi into the lake. Water was present in the lake throughout the year. Pashan was well outside city limits and was a favourite site for birdwatchers and ornithologists including the doyen of India's conservation.

Several aspects suggested by experts to PMC have led to satisfactory eco-restoration. This is shown by the recolonization of the lake by aquatic birds and insect life. However, certain aspects require continuous monitoring.

Dr. G. S. Margaj, Shri Pancham Khemraj Mahavidyalaya, Sawantwadi gave a talk on "Diversity Of Aquatic Birds in Sindhudurg District"

Sindhudurg a coastal district, comprises eight tahsils of Sawantwadi, Kudal, Vengurla, Malvan, Devgad, Kankavli, Vaibhavwadi and Dodamarg.

Sindhudurg has 23 irrigation projects and 8 major rivers.Many lakes are the habitat of the birds. Pat lake is the important habitat of the aquatic birds, some birds are local and some are migratory. Nerurpar lake, Madkhol lake, Moti lake are also shelter of common birds. 32 species of birds are very common in the fresh waters of Sindhudurg.

Dr.Bimalendu B. Nath, Professor and Head, Department of Zoology, SPPU was the Invited Speaker for the Concluding session. He spoke on "Chironomid midges as an excellent bio-monitoring agent for freshwater ecosystem: Indain Scenario and global perspective."

It was primarily an output of his own research work over many decades. This tiny larva is not only a bio-indicator but it serves as a biological tool to assess the freshwater ecosystems and thus helps in addressing the problems therein.

Dr.R.M.Sharma, Ex-officer-In-Charge of ZSI, Akurdi, Pune, was the Guest of Honour for the Valedictory function. Dr. Bimalendu B.Nath presided over the function. Dr.Sharma appreciated the organisers for selecting such a relevant topic, for meticulously planning and for the thoughtful academic contents. He appealed to the participants to take up activities and projects to save the freshwater ecosystems of Maharashtra.

A few participants gave their feedback. Vice-Principal Prof. S. R. Chaudhari appreciated the team work and efforts of the Department of Zoology. He complimented the staff for identifying excellent subject experts and offering valuable academic contents to the participants. The Organising Secretary Mr. Narendra Naidu summarised the deliberations of the seminar and expressed his gratitude to one and all who made this event successful and fruitful.

> Narendra M. Naidu Organizing Secretary

State Level Seminar on "Business Innovations Through Advanced Information Technology" 13th & 14th February 2015

Organised by : Wing of Computer and Business Studies in association with SPPU Under the QIP.

Information Technology has been the backbone of many growing businesses since last few years. It has become a vital and integral part of every business plan. With much advancement in the information technology, businesses today are not only able to maximize their productivity but also enable themselves to explore the new possibilities to expand and earn profit. Even new ideas are arising and taking form of rapidly growing business world because of advancements in the Information Technology.

From multi-national corporations which maintain mainframe systems and databases to small businesses that own a single computer, IT plays an important role. The reasons for the omnipresent use of computer technology in business can best be determined by looking at how it is being used across the business world.

For this seminar, we had identified various sectors where advanced Information Technology played key role for businesses to fly high. In this seminar eminent speakers from various sectors spoke about the how IT has brought positive changes in their respective fields like in sectors of : Banking, Software Industry, Travel & Tourism, Digital Marketing, Media, Medicine, etc.

List of Speakers in the seminar:

• Dr.N.M.Vechlekar (Dean, INDSEARCH, Pune) • Mr Atul Kahate (Consultant & Author in IT field) • Dr. Ravishankar Sathe (Laparoscopic surgeon) • Mr. Vishram Dhole (Asst. Professor, Mass Communication Dept, SPPU) • Mr. Vijay Kulkarni (Senior Manager, Bank of India, Zonal Office) • Ar. Prashant Deshmukh (Owner, Prashant Deshmukh & Associates) • Ajit Tiwari (Digital media trainer at ATS learning solutions)

Seminar Coordinated by:

Prof. Jasmeet Patil • Prof. Snehal Mirajkar • Prof. Milind Waghmare

- Prof. M. D. Waghmare Vice-Principal



Shri. Chandrakant Shetty Member of Business Council P.E. Society, Pune-5

Se OBITUARY



Prof S. R. Raykar Ex-Secretary P.E.Society,Pune-5 Ex-Professor and Head Head Dept. of English



Prof. Dr. Yeshwant Sumant Vice- Principal and Head, Department of Politics Modern College, Pune-5



Shri. Hanumant Mohol Teacher in Physics Junior College



Shri A.S. Sanas Laboratory Attendant Dept. of Statistics

We will always cherish their fond memories. May their soul rest in peace.

Staff and students of Modern College of Arts, Science and Commerce, Shivajinagar, Pune 411005.

Modern 2014 - 15 + 10

Shri V.M. Lambe

Laboratory Attendant

Dept. of Electronic Science

🔊 REPORTS ≪

OFFICE

The Academic Year 2014-15 started with the celebration of 44th 'College Foundation Day' on 16th June, 2014. An informative lecture by Dr. S.F. Patil, Ex-Vice Chancellor of Bharati Vidyapeeth and North Maharashtra University, was arranged on 'Higher Education' for the benefit of all the staff members of the College.

We all, the members of the staff, congratulate our Hon. Chairman, Business Council Prof. Dr. G.R. Ekbote, for being conferred with two big Awards during this Academic Year:

1. VOCATIONAL EXCELLENCE award instituted by Rotary Club of Pune at the auspicious hands of Hon. Minister Girish Bapat.

2. 'PUNYAGAURAV' award instituted by Brotherhood Foundation, Pune at the hands of Hon. Dr. K.H. Sancheti on Tuesday 7th April, 2015.

Infrastructural growth and development in various departments:

Savitribai Phule Pune University awarded 'Best College award' to our college and the 'A' Grade was awarded by NAAC, Bangalore. UGC, Delhi, has awarded a Special Grant and status of 'College with Potential for Excellence' (CPE). The College is in receipt of 'Star College' Scheme of Department of Biotechnology, New Delhi (DBT) and the sanction of Special Grant for the development of Life Science Departments. In addition to these grants College is also in receipt of funds from different sources like BSR, QIP Grants from BCUD, for specific purposes. It also includes grants received to Individual Proposals of Major/Minor Projects/Schemes of the UGC. Many teachers from different departments of the College are in receipt of such grants. The Sports Department is also active in getting sanction for the Special Grant for the Sports Equipment for the College. Due to the funds received from such various sources College was able to improve the existing infrastructure of the college in general and Laboratories & Sports Department in particular.

We are also able to provide various facilities to the students and staff of the college, such as the Intranet facility wherein all the departments are now interconnected. Internet facility with the 10 MBPS is also made available to all the departments in the college. The college website is also upgraded and launched in its new format recently. We congratulate all the staff members concerned for their efforts and contribution in getting Special Grants from UGC, DBT,DST and such other funding agencies which has helped the college lot for developments and adopting some innovative practices.

Facilities to Students

The facilities to provide students include:

• Online Admission System • Adequate numbers of 'Water Coolers' • 'Water Purifiers' - for both the drinking water tanks at the ground floor • Ramp and two lifts - for Physically differently-abled students; Staff and also for the benefit of senior citizens.• Bulk SMS facility for the benefit of students for various types of information • Well equipped Gymnasium for the physical fitness of students and staff.

International students' Cell has been formed for the foreign students taking admissions for different courses in the college. Necessary guidance is provided to them in order to carry out the academic and such other activities smoothly during their stay in the college.

This year a get-together function and Cultural Programme was arranged for the International Students. A large number of students participated in this function. They performed several activities and gave power point presentations regarding information of their respective countries. Students also expressed their views about the college.

Considering the Safety and Security of the Students, we have already installed 32 CCTV Cameras in the premises of the College and in three Class Rooms and also in some of the Departments. It is proposed to install the CCTV cameras in each class room and a few more areas to have proper control in the total premises of the college and to provide maximum safety and security to students of our College.

In order to have pleasant class room environment, all the wooden benches in each class room have been polished. Care is also being taken to have adequate number of ceiling fans and tube lights in each of the class rooms and passages.

Workshops and Guest lectures

As the NAAC re-accreditation is due in near future the preparation for the re-accreditation has begun. NAAC Meeting of all the staff members was organised in this context. NAAC Workshop and Guest lectures were also organised to have clear and better idea about the changes in the accreditation procedure and marking scheme for the assessment.

Social Activities

Three days Workship on Rajyog Meditation was successfully organised by the College in collaboration with Prajapita Brahmakumari Ishwari Vishwavidyalaya on 28th to 30th April 2014, for Teaching and Non-teaching Staff members of different units run by the P.E. Society, Pune-5.

One day workshop was organised in the College on behalf of Joint Director, Higher Education, Pune Region, Pune-1, on 9th May 2014 for all the college representatives in the Pune City, regarding furnishing information about facilities available in the colleges for Higher Education.

An Inspection Committee visited the college on 19th May 2014 to verify the facilities available in the college and to report it to the concerned authority.

Under the able guidance of our Principal Dr. R.S. Zunjarrao, Swaccha Bharat Abhiyan was also observed by different units of the college and all the Teaching and Non-teaching Staff. The Staff and students of NSS, NCC Units and Physical Education Department took active part.

On behalf of Savitribai Phule Pune University, CAS workshop was organised in the College Assembly Hall for a week i.e. from 2nd June 2014 to 8th June 2014. The Co-ordinatior Dr. S. K. Ujlambkar organized the workshop very successfully.

The college office supported the NSS Camps at Phulgaon and also the Rice plantation activity at Vinzar in which NSS and NCC students participated in large numbers.

In the month of August, 2014 Under the Skill Development Programme the "Laghu Uddyojakata Prashikshan" Programme was organised by the Committee for the Class IV Staff members from the college to motivate them to have their small scale supporting activities in their life.

The National Voters Day was celebrated on 25th January, 2015. Vice-Principal Prof S.R. Chaudhari gave oath to the citizens and students and staff of the college and he distributed the Voters ID Cards to the newly registered voters of the local area.

General Events

1st May 2014 - The College celebrated Maharashtra Din. Flag hoisting Ceremony was organised on this day.

On the occasion of Ganesh Jayanti Bhoomi Poojan of Board Room and Administrative Block at the auspicious hands of Hon. Prof. Mrs. Jyotsana Ekbote, Jt. Secretary P. E. Society, Pune 5 was arranged.

The Administrative Staff participated in various events/functions like: The College Foundation day, International conference organised IQAC, National Level conference organised by Department of Microbiology, State level Seminars organised by Department of Zoology and Department of Business Administration in Commerce, and National level conference jointly organised by Library, PES's Modern College, Shivajinagar, Pune-5 and PES's MIBM, and Lecture Series organised by the various departments.

The Staff also participated in the programmes like : Annual Social Gathering 2014, Academic Prize Distribution Function, Modern Harmony - a function organised by Gymkhana Department, Gymkhana Prize Distribution Function, Arts Circle Week and Arts Circle Prize Distribution Function. The Staff also attended visits of the Local Inquiry Committees regarding affiliation and continuation etc.

Information for Freshers

Guidance sessions for the fresh students (freshers) taking admissions in the college (Std. XI and First Year classes of all the streams), were arranged at the beginning of the academic year. All Heads of the Departments Chairmen of the various Committees gave basic information about various activities carried out during the year and the information about various facilities available in the college. General information regarding Office Administration was also given to them.

Proposed use of advance technology

In many of the fields we are using Advance Technology/ICT. In near future activities like Online Admissions, Attendance of students, Alerts to parents regarding performance and attendance of students in the class, making available the facility of online communication of parents with teachers and students with their teachers regarding performance of students and also the academic issues.

SPPU has also introduced the idea of sending online question papers of some classes on trial basis. We were successful in getting online question papers. The College has two RISO Digital Copiers for getting the fast copies @ 130 papers per minute of question papers.

Digital Record Room

An Idea of Digitization of old and current Record relating to the students and Staff and of important documents has been undertaken. The system has been installed and implemented. The idea of digitization is still in process. Digitization is the best solution for saving storage space. The administrative staff is getting benefit of this system. This system will help to achieve the objective of paperless office. **General Administration and Examinations:**

The routine administrative work was carried out smoothly. Newly appointed staff offered good cooperation in discharging the important responsibilities, such as conducting Savitribai Pule Pune University, Pune Theory Examinations, H.S.C. Board Theory Examinations etc. Collectively all the office staff carried out the responsibility of the work of recently introduced First Year examinations on the basis of CAP, including printing of Admit Cards of students, preparation and declaration of results. Secondly they contributed for approval and correction in the online filled University examination forms for Junior College H.S.C. Examination as well as Senior college and P.G. Courses. The generation of examination online examination fee challan and e-tranfer of examination fees to the University of Pune was also done properly. The work of online H.S.C. Examination forms, uploading the data was also carried out successfully. The implementation of Credit System for the Post Graduate Courses was carried our successfully. Administration re-organised the activities of the office so as to render more effective services to the students and staff. The effective use of Students Database Management "VRIDDHI", was made during the academic year. The data entry work of students related to examination was completed as per the Savitribai Phule Pune University of Pune guidelines. Office staff took maximum efforts to support the newly introduced system of Online Question Papers, Barcode System for the answerbooks.

The new responsibility of carrying out the M.Sc./ MCS/MCA (Sci) CAP in December 2014, given by the Savitribai Phule Pune University was also accepted. Teaching & Non-teaching staff took maximum efforts to carry out the new responsibility. This activity and procedure of conducting this type of CAP was new to the staff, in which online appointments of examiners were made through the system provided by the University. The classification of Answerbooks arranging them in a particular way pasting the UID code to each and every Answerbook, keeping online track of assessed Answerbook of each and every examiner in the system provided by the University, in order to enable the University Finance Section to make the payment Assessment of Answerbooks and bills of examiners directly to their respective bank accounts; all these steps were smoothly managed and completed.

Medical Examination of All First Year Students was conducted on behalf of the Savitribai Phule Pune University, by the Committee constituted by the college. Chairman Dr. Mrs. S. L. Taware, Superintendent Shri. Avhad V.L. carried out this activity with the help of Teaching Staff and Nonteaching Staff from office and staff from Laboratories.

The newly developed college website will help to upload information of newly introduced courses available in the college, different events and activities conducted by the college. Every department may have its own website, linked with the main website of the college, to keep the updated information of college available to all at a glance. The data sharing between the Administrative Section and the different departments will become very easy. This will also enable the students to be updated regarding various aspects related to them.

The idea of online payment of fees is also under consideration, which will be very useful from the administration point of view and it will be also beneficial to all the parents and students seeking admissions in the college.

The Accounts and Administrative section of the college took efforts to see that, all the work relating to Provident Fund and PF Slips was completed. The Service Books of all teaching and non-teaching staff of are also being updated and Scanned. Various claims and disbursement of all the pending arrears of the staff was completed, quick submission of the pension cases of retiring members of the staff and its follow-up, speedy settlement of Pension and P.F. cases, reimbursement of medical bills etc. were done. Efforts are also being taken to achieve full computerisation of the office.

The Accounts Section is taking utmost care to complete all accounting work accurately and within time schedule. Care is being taken to disburse all the amounts in time, received from the Government and other authorities. The internal audit of all the Units of the college, as well as the Statutory Audit for the year 2013-14 has already been completed. The Audit of the current year i.e. 2014-15 has been initiated. Under the able guidance of Principal, Dr. R.Z. Zunjarrao, Vice-Principal Dr. Y. R. Waghmare and Prof. S. S. Deshmukh, the Statement of Expenditures and Utilization Certificates and Audit regarding different schems and projects sanctioned by the different funding agencies have been completed in time. Thanks to Dr. Y. R. Waghmare, Prof. S. S. Thengadi, Prof. S. R. Choudhari and Mr. Deepak Shah and all other staff involved in this regard.

We are very much thankful to all the teaching and non-teaching staff, particularly Prof. S. S. Thengadi and Prof. S.R. Choudhari for the efforts they have taken for getting various Grants from U.G.C./D.S.T./BCUD and such other funding agencies for different Projects and Schemes, especially the Continuation of Star College Scheme sanctiond by the DBT. New Delhi. We are very much thankful to all the Non-teaching staff for performing their duties at the respective departments and in the office. We also thank them for their contribution in carrying out various events and functions during the year.

From last few years we are implementing the ' Earn & Learn Scheme' introduced by Savitribai Phule Pune University. The students are selected on the basis of their socio economic background, by conducting interviews and they are given opportunity to work and earn money while learning. This scheme is strictly implemented as per rules and regulations and guidelines given by the University.

The workshop for Salary Budget organised by the Joint Director's office and such other workshops relating to salary and Non-Salary Grants, CAS, Staff Approvals, the workshops for Teaching and Non-Teaching Staff Placements and Promotion, Pay Fixation etc were also attended by Superintendent Shri. Renuse P.D., Head Clerk, Shri. Parde Indrajeet, Sr. Clerk, Shri. Sagar Chavan, staff from Administrative Section. The workshops organised by the Social Welfare Office regarding online Scholarship and Freeships and approval of fees of various grant and nongrant courses were also attended by Head Clerk Shri. Parde Indrajeet and Smt. Sasane Sunita. The Workshop on Eligibility of Students, Workshops on CAS for Senior College Staff, were also attended by the Admin. Staff. The workships of Online Admissions for XI th Class were attended by Vice Principal, Supervisor of Junior College, some of the faculty co-ordinators and nonteaching staff.

The duties assigned to the Teaching and Nonteaching Staff of the college by the Election Commission for State Assembly Elections 2014 were also carried out successfully by the staff members concerned.

The office staff provided able support in conducting the Senior College Interviews arranged for selection of Teaching and Non-teaching Staff and the written examination organised for the recruitment of non-teaching staff. SET/NET exams and such other exams of private organizations, were also conducted.

H.R. and Training Programme

The College Authorities has took lead to Select Head of the Departments as the representative Members of the Staff for Arranging Training and Workshops:

In order to complete the required documentation and to bring uniformity regarding NAAC Reaccreditation due in 2015, several Workshops were organised during January to March, 2015.

Secondly Under the HR Training Programme Two separate Training workshops in collaboration with Rambhau Mhalgi Pratisthan, on competancy Building and Personality Development among the Staff members of the College were organized. One Workshop was specifically organised for the Office and Library Staff. Total 30 Participants successfully completed the workshop. Another workshop was organised for the Teachers who have recently joined the College.

In order to give better services to the Students, Parents and Staff members of the College, it was decided to have International Standard process and to have better Systems in all the departments of the college. So a two days ISO Certification Training workshop was organised on 13th and 14th Feb 2015 for all the Office bearers, Senior Administrative Staff and all Heads of the Departments. All of them successfully completed this two days workshop.

Some of the Staff members were selected for further two days Auditors training workshop. Nine Staff Members completed the training programme successfully and all of them passed the examination of the Auditors conducted by the Training Organisation and Certificates were also issued to them by the Organising Company.

Congratulations for Special Achievements

Congratulations to all the teaching and nonteaching staff for getting the 'Clean and Beautiful College' award of Progressive Education Society, Pune-5, this year.

Congratulations to our LMC Representative Shri Shashikant Kamthe for his selection as Working Committee Member of All India College and University Employees Federation on 21st June 2014.

Congratulations to newly Elected members from Teaching and Nonteaching Staff on PES Employees Credit Co-operative Society, for a period of next five years.

Congratulations to our College Gymkhana Departments, P. E. Teachers and the students participating in different individual and team events at State level and National level and winning more than 100 medals including Gold Silver and Bronze Medals, particularly the Ladies Cricket Team-

participating for the first time and becoming the winner by defeating a reputed opponent team. Congratulations to all other students also who have participated in various sports activities during the academic year either individually or as a team member and made efforts to win.

Congratulations to all those students who have participated in cultural and such other competitions and winning prizes.

Congratulations to all the meritorious students who stood first either in their Subjects or in the class and winning the academic prizes.

Congratulations to Teaching and non-teaching Staff who have participated in different team events for the Sports Competitions organised by the Progressive Education Society in the Memory of Guruvarya Shankarraoji Kanitkar and winning the Final Matches: Winner in Cricket and Runners up in Volley Ball (Gents) and Ladies Teams winner in Dodge ball and Throw Ball.

The members of the teaching and non-teaching staff and the students, all deserve to be congratulated for the special achievements during the year 2014-15. Student selected for participating in R.D. Parade, New Delhi, need special appreciation.

Congratulations to Mrs. Vandana Joshi staff of Junior College, winning three Gold medals in the academic field by holding top rank in M.A. Marathi. We also congratulate Ms. Ccily Rose for winning Two Gold medals for standing first in M.A. English.

Congratulations to Dr. N.M.Patil, Associate Professor in Botany and Mrs. Vandana Joshi Teacher in Marathi, from Jr. College, Shri. Vilas Lad from Office and Mrs. Swati Patwardhan from Office for getting Meritorious Best Teaching/Non-Teaching Staff Award of P.E Society Pune-5, for the year 2013-14.

Congratulations to Shri. Nilesh Navale from office staff for his selection on Pune District non teaching employees Union .Best luck to him for his contribution in future for betterment of non teaching employees.

We congratulate and Welcome the newly Joined/ Promoted Teaching & Non-teaching Staff.

Best wishes to all those Teaching & Non-Teaching Staff pursuing their higher education, for Nonteaching appearing for various Board and University examinations and also congratulations to those who obtained success in HSC and University level examinations and MS-CIT examinations during the year.

Mr. U.D. Gore : Passed SET Examination of SPPU (Lib. Science).

Mr. Walmik Wagh : M.Ed. and SET Examination. Ms. Latika Choudhari: M.Ed. and SET Examination. Mrs. Swati Patwardhan:Passed B. Ed. Examination. Mr. Amit Salunke : Passed B. Ed. Examination.

Dr. Ms. Madhura Koranne : Natya Samikshak Puraskar of Akhil Bharatiya Marathi Natya Parishad.

Heartfelt Wishes for the Retiring staff

Following members of the staff retired from the services after a long and fruitful service to the College:

- 1. Dr. A.M. Bhalerao (Head, Dept. of Zoology) 31st July 2014
- Mrs. Kuvalekar S.V. (Teacher in German) 31st Aug. 2014
- 3. Prof. Pokharkar S. R.(Head, Dept. of Chemistry) 30th Sep. 2014
- Mrs. Purohit S.D. (Head, Dept. of Hindi) 28th Feb. 2015

We wish our retired colleagues a happy, peaceful and healthy life.

The Chairman Local Managing Committee and Junior College Committee, The Principal, Prof. In-charge BBA/BCA and Vice Principals constantly guided and inspired the office staff in their day-today work. Particularly the guidance provided by Prof. P.S.Chirputkar, Dr. A.K. Pande, Prof S. S. Deshmukh and Prof S.R.Chaudhari, Prof Dr. Mrs N.J. Kulkarni, Prof. Vilas Alhat, Prof S.S. Thengadi and Prof. S.K. Ujlambkar needs mention. Guidance provided by Prof. A. G. Gosavi and Dr. Y. R. Waghmare in accounting work was beneficial to the college. The office staff expresses their gratitude towards them.

> - Shri. Ravindra P. Kale Registrar

Department of Economics

Activities :

- Banking Workshop was organized on 14 August 2014. The students were guided by Mr. Deepak Tripathi, Investment Advisor of the Standard Chartered Bank.
- 2) Workshop cum Guest Lecture of Dr. Vasant Jugale, Professor and Director, Yashwantrao Chavan School of Rural Development, Shivaji University, was organised on 4th October 2014. He spoke on 'Research Guidance'. This lecture was organised for research students and PG students of the Department.
- 3) Visits were organized to Reserve Bank of India, Pune, for the students of B.A., B.Com. and PG students on 13 August 2014, 25 September 2014 and 10 December 2014.

- Guest lecture on Career in Banking was organized on 25 September 2014. The students were guided by Mr. Kushal Bagi from Deutsche Bank.
- 5) One day Workshop on Revision of Syllabus for TYBA Economics was organized by the Department of Economics in association with Savitribai Phule Pune University, on 2nd March, 2015. The resource persons, members of Board of Studies, members of subcommittee for syllabus and participants from various colleges contributed in the Workshop. Approximately 80 participants were present for the Workshop. The Chairman of Board of Studies Dr. Suhas Avhad and Principal Dr. Rajendra Zunjarao presided over the Workshop.
- 5) A visit was organized to Phulgaon for the students where the students helped villagers to open bank account in association with Bank of Maharashtra. An exhibition and awareness programme was conducted under financial literacy campaign for the villagers on 09th December 2014.
- Organized International Students Day on 21st January 2015 along with other departments.
- Various Competitions like Essay Competition, Elocution, Group Discussion, Power Point Presentation, were organized under Planning Forum activity.

Research projects

- Dr.M.M.Satam UGC, Minor Research Project Financial Services and Women Empowerment in Rural Maharashtra, 2 years (2013-15), Rs. 1,70,000
- Dr. A.H.Shende ICSSR, Major Research Project A Study of Competition, Co-operation and Conflict of India and China with special reference to Trade & Commerce, 1 Year (2014-15), Rs. 8,00,000
- Dr. M.M.Satam BCUD, Financial Inclusion of Urban Youth, 2 Years, Rs. 75,000/-.

Achievements of staff :

Dr. Madhu Satam

- Participated in International Conference on 'Education in Values and Spirituality' organized by Rajyoga Education and Research Foundation, Brahma kumaris, Mount Abu, from 30 May to 3 June 2014.
- Participated in International Conference on Regional Trade Agreements, preferential Trade Agreements, and Indian Trade Policy held at Fergusson College on the 11 - 13 Feb 2015.
- Under the guidance of Dr. Madhu Satam, two students submitted PhD thesis to SPPU and one student completed M.Phil Degree of SPPU in Economics.
- Under the guidance of Dr. Madhu Satam, one Student Research was guided and completed in

March 2015 by Miss Sayani Biswas of SYBA of our college. The Topic for research was 'Impact of e-shopping on consumer behaviour'.

Dr. Abhay H. Shende

- Lecture delivered on the topic United Nations and India to trainee class I officers of Maharashtra state civil service in YASHDA, Pune on June 24,2014
- Participated in One day Workshop on "Revision of Syllabus for TYBA Economics conducted by Modern College of Arts, Science and Commerce, Pune in association with Savitribai Phule Pune University on 2nd March, 2015.

Dr. Suresh S. Deshmukh

 Participated in One day Workshop on "Revision of Syllabus for TYBA Economics conducted by Modern College of Arts, Science and Commerce, Pune in association with Savitribai Phule Pune University on 2nd March, 2015.

Prof. Sandhya A. Vartak

- 1) Participated and completed a course on Value Education conducted by Modern College of Arts, Science and Commerce, Pune.
- Visit to RBI Agricultural Training College, Pune with the students of F.Y.B.A. and F.Y.B.Com. on 10th December, 2014.
- 2) Participated in One day Workshop on "Revision of Syllabus for TYBA Economics conducted by Modern College of Arts, Science and Commerce, Pune in association with Savitribai Phule Pune University on 2nd March, 2015.

Prof. Padmashri B.Mujumdar

- Participated in Workshop on "Fast Tracking Your Research Capabilities using SPSS" organized by Kaveri College of Science and Commerce, Pune on 9th and 10th December, 2014.
- 2) Participated in Teachers Training Program and has successfully completed modules on Indian Education System, Soft Skills and ICT in research and teaching organized by Modern College of Arts, Science and Commerce, Pune-5 in association with ABEED, Pune from 5th December, 2014 to 17th January,2015.
- Invited as Judge for PPT Competition on the topic "Make in India" organized by COEP, Pune on 1st February, 2015.
- 4) Presented paper on "Skill Gap creating obstacle in leveraging the demographic dividend of India: A case study of Auto and Auto Component Industry" in National Seminar organized by Department of Economics, Shivaji University, Kolhapur on 20th and 21st February, 2015.
- Participated in One day Workshop on "Revision of Syllabus for TYBA Economics conducted by

Modern College of Arts, Science and Commerce, Pune in association with Savitribai Phule Pune University on 2nd March, 2015.

Prof. Mrs. Jayshree P. Nambiar

- Participated in Workshop on "Fast Tracking Your Research Capabilities using SPSS" organized by Kaveri College of Science and Commerce, Pune on 9th and 10th December, 2014.
- 2) Participated in One day Workshop on "Revision of Syllabus for TYBA Economics conducted by Modern College of Arts, Science and Commerce, Pune in association with Savitribai Phule Pune University on 2nd March, 2015.
- 3) Submitted Ph.D thesis to the Savitribai Phule Pune University, Pune on 26th March, 2015, under the guidance of Dr. Madhu Satam.

- Dr. Madhu Satam Head

Department of English

Activities:

- 1) Collage Competition was organized for UG students. Students displayed the collage charts on the "Mythological References" on 16th August 2014.
- 2) A Workshop was organized on Creative Writing in association with British Library on 5th February 2015. Dr. W.N. Herbert, (Poet and a professor of Creative Writing, NewCastle University, Scotland) was invited to guide the students.
- 3) 17 students from the college were selected by British Library for "Blended English Course". These students will get their online and classroom training through British Library.
- Spoken English Classes were organized for foreign students in the college. Ms. Anupama Spencer held the classes.
- 5) Ms. Lovon Dawson and Ms.Avanee Pendse (SYBA-Div. B) partificpated in the debate competition at St. Mira's College and Symbiosis College, Pune.
- 6) Omkar Jadhav, Lovon Dawson, Sayani Biswas, Aditi Moghe, Simran Mehta, Gauri Chudekar and Avanee Pendse participated in a Play Reading competition organized by St. Mira's College, Pune. They were guided by Ms. Dipali Lodh and Ms. Sangita Sarma.
- 7) MA English students attended the seminar on "Satish Alekar and his Plays" organized by Marathi Dept. SPPU.
- 8) A Documentary was screened by Ms. CicilyRose Anthony on "Satish Alekar The Palywright by Atul Pethe" for MA classes.

9) MA Students attended the seminar on Translation Studies/Film Studies organized by Dept. of English SPPU and a lecture by Dr, Aniket Jaaware at St. Mira's College, Pune.

Activities of the Department Staff

Mrs. Alka Kamble

- Invited as a chairperson for a session at National Conference organized by Symbiosis ELTIS, Model Colony, Pune on 29th and 30th January 2015.
- Attended a Public Lecture on 'Modernism and Post Modernism' by Dr. Aniket Jaaware at St. Mira's College for Girls on 14th March 2015.
- Completed a training of ISO 9001 organised by the college.

Ms. Dipali Lodh:

- Participated in the Teachers' Training Programme with special emphasis on ICT in Research and Teaching and Soft Skills, organized by Modern College Pune, 5 and ABEED from 5th December 2014 to 17th January 2015.
- Attended a symposium at St. Mira's College for Girls on "The Feminine Frontier" on 7th February 2015.
- Attended a Public Lecture on 'Modernism and Post Modernism' by Dr. Aniket Jaaware at St. Mira's College for Girls on 14th March 2015.
- Taught at Nowrosjee Wadia College as a Visiting Faculty for M.A. I (English).

Mrs. Pallavi Math

- Participated in the Teachers' Training Programme with special emphasis on ICT in Research and Teaching and Soft Skills, organized by Modern College Pune, 5 and ABEED from 5th December 2014 to 17th January 2015.
- Attended a symposium at St. Mira's College for Girls on "The Feminine Frontier" on 7th February 2015.

Ms. Sangita Sarma

- Appointed as a co-ordinator of International Students' Cell of the College.
- Conducted Human Rights and Cyber Law lectures of all PPPG students.
- Organised International Students'Cultural Festival on 20th January 2015.
- Attended a food festival and cultural festival at Phoenix City organized by ICCR, Pune in Dec. 2014.
- Attended a symposium at St. Mira's College for Girls on "The Feminine Frontier" on 7th February 2015.
- Attended a Public Lecture on 'Modernism and Post Modernism' by Dr. Aniket Jaaware at St. Mira's College for Girls on 14th March 2015.

• Appointed as a Vice Chairman in Arts Circle of the College.

Ms. CicilyRose Anthony

- Attended a symposium at St. Mira's College for Girls on "The Feminine Frontier" on 7th Feb. 2015.
- Awarded with "Alegaonkar Bandhu Smruti Suvarna Padak" and "Dr. S. Nagarajan Memorial Gold Medal" at the Convocation of SPPU for standing first in SPPU in the subject English.

- Alka A. Kamble Head

Department Of Geography

Activities :

Excursion Tours and Village Survey

- 1. Village survey of Dive Agar (Tahsil Shriwardhan) was conducted by the department on 19th and 20th September 2014 and village survey report was prepared by students. All the members of the staff and post graduate students also participated in the village survey.
- 2. On 3rd January 2015 a study tour was arranged for S.Y.B.Sc. Geography at Kihim (Dist.Raigad) accompanied by Prof. Wayal N.L., Dr. A.E. Sonawane and Prof. Rajashree Gadekar.
- 3. From 26th January to 4th February 2015 a study tour was arranged for S.Y.B.A. and T.Y.B.A. students at Kerala and Kanyakumari accompanied by Dr. Vilas B. Kamble and Shri. D.M. Raut
- 4. On 20th February 2015 an excursion tour was arranged for S.Y.B.A. Geography at Nagaon (Dist.Raigad) accompanied by Dr. A.E. Sonawane, Prof. Rajashree Gadekar and Shri. G.B. Survawanshi.
- 5. Geography day was celebrated on 14th January 2015. Quiz competition was arranged for students. It had a good response.
- 6. On 4th March 2015 an excursion tour was arranged for T.Y.B.A. students at Mahableshwar (Dist. Satara) accompanied by Dr.N.J. Kulkarni , Dr. Vilas B. Kamble and Shri. D.M. Raut.
- 7. "Vasundhara Photograph competition" was held in February 2015 for the students of geography.
- 8. Village survey of Nazare-Supe of Jejuri Circle (Tahsil Purandar) was conducted by the department on 30th and 31st March 2015 and village survey report was prepared by students. All the members of the staff and post graduate students also participated in the village survey.

Achivements by Teachers:

1. Dr. Amit Eknath Sonawane presented and published papers in National conferences.

Modern 2014 - 15 + 18

Guest Lectures:

- 1. A lecture by Dr. Neeta (N.I.I.T. University) on "Career Opportunities in GIS and Remote Sensing" was arranged for graduate and post graduate students on 18th September 2014.
- 2. A lecture by Dr. More Jyotiram on "Career Opportunities in Geography" was arranged for graduate and post graduate students on 10th March 2015.

- Dr. N.J. Kulkarni Head

Department of German

Departmental Activities

- Conference : Miss Media "Depiction of Women in Literature and Media" It was organized on 21st August 2014 by the department of German for the students of bachelor and master degree in collaboration with Fergusson College. A glimpse at the present state of our society makes one aware of the need of handling many social issues within the academic framework itself, woman exploitation and gender inequality being one of them. Certain mishaps in our society in the recent times have made this issue very significant not only within India but also at a global level.. Hence, taking up this issue from an inter-cultural perspective gave meaningful insights through students' thought provoking presentations. Two German guest professors Mrs. Renate Hofmann (Heidelberg) and Mr. Johannes Hofmann (Cologne) were invited as a resource persons. The conference was successful due to brainstorming discussions on the sensitive issue of woman exploitation in literature and media.
- Lectures
- On 14th August 2014 "Die Kulturnation" Deutschland "Speaker : Johannes Hofmann
- * On 20th August 2014 Die Jugendkultur Speaker : Johannes Hofmann
- * On 12 November a lecture on "Landeskunde-Österreich" by Victoria Winkelhofer

Other Activities

- We conducted A1 and A2 certificate courses in German successfully under the 'Skill Development Training Workshops'. These Courses were open to all faculties. Its result is 99%. 22 students were benefitted by these courses and passed internationally recognized exams of Goethe Institute.
- Our students Simran Jeet and Shambhawi Nabar were selected for the German Youth Camp organized by PASCH in Sri Lanka in December

2014. They successfully completed German Language Course A2.

- Many of our students attended German Film Festival organized by PASCH in October 2014.
- On 24th December 2014 students celebrated 'Weihnachten' with full enthusiasm.
- Simran Mehta, S.Y.B.A. student received the First Prize in "Vertonung der Gedichte" at the interactive Sessions organised as a part of the German Day Celebration in S.P. College, Pune.
- Komal More (XI) Arts was selected for the youth camp in Germany in May 2015.

Information of staff:

Sanjeevani Kuvalekar

- Was appointed as a member of Academic Council of Maharashtra State Board of Secondary and Higher Secondary Education.
- Was appointed for the Syllabus design of German courses of Tilak Maharashtra Vidyapeeth.
- Contributed as an author of German Textbook " Deutsch 1" of TMV
- In the capacity of coordinator organized Miss Media Conference.
- Attended in August PASCH Seminar.

Geetanjali Kanade

- Received a scholarship in July 2014 from DAAD (German Academic Exchange Service) to attend a Summer Course (Niveau C2) in Dresden, Germany at TUDIAS (Technische Universität Dresden Institute for Advance Studies).
- Cleared UGC-NET in November 2014.
- Received the Best Director Award at the FORUM DEUTSCH One Act Play Competition organised in January 2015 by FORUM DEUTSCH for the Play Schrift-Steller. This play also received the Best Play Award and will be published soon. She was also the co-writer of the play.

Students of our College bagged following Prizes

Quiz Competition : 3rd, Rank :

Atharva Paralikar(XI), Vedika Sukhatme (XII), Devika Sakhdeo (XII)

- Sing a Song Competition : 3rd Rank Aditi Moghe, Akanksha Kharse, Aditi Parkhe, Simran Mehta - F. Y. B. A
- Calendar Making: 1st Rank Level 1 -3rd RankLevel 1 -Shreyas Kulkarni, Shweta Sathe (XII)

1st Rank - Level 2 - Aditi Parkhe, Simran Mehta - F. Y. B. A.

> - Sanjeevani Kuvalekar Head

Department of Hindi

Activities :

- Essay Competition was organized for the students of FY BA and advertisement writing competition for FYBCom and SY BA students. Prizes were given on the occasion of Hindi Day
- A lecture was organized on 21st July 2014 of Prof. Parag Shah from Modern College Ganeshkhind on advertisement writing.
- The department celebrated Hindi Day on 19th September 2014. Dr. Omprakash Sharma was the chief guest and Dr. Nayana Kulkarni, Vice-principal of Arts Faculty was the chairperson on this occasion.
- The department introduced an innovative activity 'Shabdanuvesh' (Thesaurus). A white board was put up near the language department and every week teachers wrote new words for students to know their respective synonyms.
- A workshop on Hindi grammar was conducted by Dr. Neela Borwankar on 30th December 2014.
- Prof. S. B. Doiphode secured 1st class in the M.Ed. examination, YCMOU, Nasik.
- Prof. Mrs. Sunita Purohit was nominated on the board of studies of St. Mira's autonomous College for a period of five years (2015-2020)

- Prof. Sunita Purohit Head

Department of History

Dr. Rajesh Kulkarni

• Presented a Research Paper on 'Concept of Akhanda Bharat and Princely States', in International Conference organized in Garaware College, Pune. Date: 24-25 Jan 2015.

Humanitarian Activities

- Clean India- Clean Mind Clean Life Campaign In various occasions Promoted this campaign by posters / Services / Signature Campaigns / Awareness among Students, PMC officers & Citizens. For Orphans- Rajesh Donated Books, Cloths and School Amenities to orphan of a poor family. For Poor Helped a poor family for life hood by giving financial support. For Women Enrichment Supported 9 women by giving Crafts and Garments for Sale. Ganesh Festival Organized posters & volunteers for safety of people / Pilgrims in Lord Ganesh Festival. Date : 1 to 10 Sept. 2014.
- Election Duty- Worked for Election Duty as a presiding Officer. Date: 14 / 15 March 2015.

Speeches / Camps / Media contribution

Meditation Camps Lead - 1. F.C. College, Pune 2. Snehalaya - Ahmadnagar 3. Sawali (NGO) -Ahmadnagar. 4. MBM Trust - Nasik. 5. NFT Club Mumbai. 6. Invited by some prestigious Business Families / Institutions / Corporates/ foreign Groups / NRIS / etc.

- Radio Interview Snehalaya Invited for Radio Interview Date: 29 / 11 /2014. Video Clips Many video clips of Dr. Rajesh are available on You Tube. These video clips cover subjects relate with - Traditional knowledge, Consciousness Sciences, Creative arts, Yoga, Meditation therapies & Indology.
- Special Efforts for Students * Shared Notes on Whats App. * Shared Concentration techniques in Yoga, Traditional wisdom & Traditional Meditations. *Speech delivered on "Applied History "to 11 th & 12 th students - (Modern College - 18 July 2014).

Dr. Manda Admane

- General Election duty on 8th, 14th, and 15th Oct. 2014.
- Trip-Purandar 27 Dec. 2014 organised by A.B.V.P. for F.Y.S.Y.B.A. students.
- Attended the History conference History International Conference in Garware College, Pune. Subject - Colonial Ideology and Princely States in India at 22nd, 23rd and 24th Jan. 2015
- Attended the National level History seminar held in SPPU, 10th - 12th Feb. 2015. Subject -Transitions in Indian History.
- Memorial Prize Highest marks in S.Y.B.A. History Special student Mr. Siddheshwar Chundhe.

- Dr. Rajesh Kulkarni Head

मराठी विभाग

मराठी पदव्युत्तर वर्गामध्ये दोन्ही वर्गांची विद्यार्थी संख्या ४८ आहे. श्रेयांक पद्धतीप्रमाणे विद्यार्थ्यांच्या नियमित परीक्षा होत आहेत. सायबर सिक्युरिटी, ह्युमन राईटस्, स्कील डेव्हलपमेंट बाबतचे तास नियमित झाले आणि विद्यार्थ्यांनी परीक्षाही दिल्या. मराठी विभागाने दरवर्षीप्रमाणे हस्ताक्षर स्पर्धा निबंधलेखन स्पर्धा आणि वक्तृत्व स्पर्धा आयोजित केलेल्या होत्या. इंग्लिश-मराठी अनुवाद वर्गांचे हे चौथे वर्ष असून हा एक वर्षाचा पदविका वर्ग यशस्वीरित्या घेण्यात आला.

मराठी भाषा दिन आणि कुसुमाग्रज यांच्या जन्मदिनाचे औचित्य साधन आयोजित केलेल्या हस्ताक्षर स्पर्धेत खालील विद्यार्थ्यांची

Modern 2014 - 15 + 20

निवड करण्यात आली - १) अंकुश आरेकर २) माधव काळे ३) लक्ष्मी स्वामी ४) सुचिता जगताप ५) सत्यम् मांढरे.

मराठी भाषाविषयक कवितांची स्पर्धा आयोजित करण्यात आली. यामध्ये खालील विद्यार्थ्यांनी यश मिळविले - १) विलिना इनामदार २) लक्ष्मी स्वामी ३) मुसरत शेख ४) शीतल जाधव ५) कोमल येनपुरे

'मराठी भाषेच्या संवर्धनाचे उपाय' या विषयावर विद्यार्थ्यांनी लेख लिहिले. त्यातील उल्लेखनीय पाच क्रमांक खालीलप्रमाणे-१) सज्जला जाधव २) रंजना सांगडे ३) मृणाल जोशी ४) रुद्राणी नाईक ५) विलिना इनमादार

'माझे आवडते कवी - कुसुमाग्रज' या विषयावरील परिसंवादात खालील विद्यार्थ्यांचा सहभाग उल्लेखनीय होता - १) सुषमा काळे २) अश्विनी बांबळे ३) कुणाल भालेराव

'विद्यार्थी दशेतील माझी जडणघडण' या विषयावर स्पर्धा आयोजित करण्यात आली. त्यातील गुणानुक्रमे क्रमांक असे - १) नांगरे प्रियांका २) अश्विनी नातू ३) नयना पाचारणे ४) रोशन ठाकूर ५) संयोगिता नाईक

मराठी विभागाच्या प्राध्यापकांची कामगिरी -डॉ. स्नेहल तावरे -

- १) टिकाराम जगन्नाथ महाविद्यालय, खडकी येथे मराठी वाङ्मय मंडळाचे उद्घाटन आणि आणि 'मराठी भाषेचे महत्त्व आणि संधी' या विषयावर १५-७-२०१४ रोजी भाषण.
- २) बाबुजी आव्हाड महाविद्यालय, पाथर्डी येथे 'भागवत संप्रदायाचा राष्ट्रीय संचार' या विषयावरील दोन दिवसीय राष्ट्रीय चर्चासत्रामध्ये प्रमुख पाहणे म्हणून व्याख्यान दि. ६/१०/२०१४.
- ३) श्री ज्ञानेश्वर महाराज संस्थान, आळंदी यांनी आयोजित केलेल्या 'संत नामदेव परिवाराची कविता' या प्रकाशन समारंभाचे प्रमुख पाहुणे म्हणून भाषण २७ ऑगस्ट २०१४.
- ४) राजगुरुनगर कला-वाणिज्य महाविद्यालयामध्ये 'लोकसाहित्य आणि संस्कृती' - प्रमुख पाहुणे म्हणून भाषण २०/९/१४.
- ५) फलटण येथे मुधोजी महाविद्यालयात अध्यक्ष म्हणून वर्धापन दिनानिमित्त भाषण व पुरस्कार वितरण २५/७/२०१४.
- ६) 'साहित्य आणि समाज यांचे सहसंबंध' या विषयावर आंबेडकर कॉलेज, सांगवी येथील चर्चासत्रामध्ये समारोप समारंभाचे अध्यक्ष म्हणून भाषण. २७ नोव्हेंबर २०१४.
- ७) ज्ञानप्रबोधिनी निगडी येथील संत साहित्य ग्रंथ निर्मिती पुरस्कार कार्यक्रमात भाषण २२-११-१४.
- ८) मॉरिशस येथील ओपन युनिर्व्हसिटीमधील प्रा. मधुमती कुंजल 'मॉरिशसमधील मराठी भाषा आणि साहित्य' या विषयावर डॉ. स्नेहल तावरे यांच्या मार्गदर्शनाखाली पीएच.डी. करीत आहेत.

डॉ. मधुरा कोरान्ने -

- २) ८ मार्च २०१५ रोजी ललित कला केंद्र, सावित्रीबाई फुले पुणे विद्यापीठ येथे 'आधुनिक नाटकांतील स्त्री-प्रतिमा' - व्याख्यान.
- स्नेहवर्धन प्रकाशन, पुणे पुरस्कृत 'नाट्यगंध' या पुस्तकासाठी 'संजीवनी मराठे साहित्यसखी' पुरस्कार प्राप्त.
- "विद्यावाणी' पुणे विद्यापीठ येथे 'विजय तेंडुलकर लिखित 'कमला' या नाटकाचे नाट्यवाचन प्रसारित.

डॉ. वैजयंतीमाला जाधव -

- भाषांतरभ्यास : बहुभाषिक दृष्टिकोन' या विषयावर मिरज महाविद्यालय, मिरज येथे निबंधवाचक म्हणून उपस्थित.
- अीमती मातोश्री बयाबाई कदम महाविद्यालय, कडेगाव, येथे 'स्त्रीलिखित मराठी साहित्य' या विषयावर निबंध वाचन.
- संत बहिणाबाई आळंदी देवस्थान समिती आळंदी येथे व्याख्यान.

डॉ. गजानन अपिने -

- शोडशाळ (कोल्हापूर) येथे सृजनशील फाऊंडेशन आयोजित कार्यक्रमात 'वाचनसंस्कृती' - व्याख्यान, २८ फेब्रुवारी २०१५.
- बालगंधर्व नाट्यगृह, पुणे येथे दि. बा. मोकाशी यांच्या जन्मशताब्दीनिमित्त आयोजित परिसंवादामध्ये 'दि. बा. मोकाशी यांचे कादंबरीलेखन' - निबंधवाचन, १५ मार्च २०१५.
- ३) 'हिंदू : एक चकवा' या विषयावरील चर्चेत सहभाग, मुक्तशब्द, मुंबई, एप्रिल २०१५.

प्रा. वंदना जोशी यांना एम.ए. (मराठी) मध्ये सर्वाधिक गुण मिळवून खालील तीन सुवर्णपदके त्यांना मिळाली.

- १) बळवंत सहदेव तिडके सुवर्णपदक
- २) प्रमिला दत्तात्रय आलेगावकर सुवर्णपदक
- ३) म. ना. अदवंत सुवर्णपदक

एम.ए. मराठीच्या परीक्षेत त्या पुणे विद्यापीठात सर्वप्रथम आल्या आहेत. त्यांच्या या यशाबद्दल प्रा. वंदना जोशी यांचे हार्दिक अभिनंदन. एम.ए. मराठी करून त्यांनी पाच पदव्या मिळविलेल्या आहेत. विभागातर्फे त्यांच्या भावी वाटचालीस शुभेच्छा. नोकरी सांभाळून त्यांनी मिळविलेले हे यश इतरांनाही प्रेरणादायी आहे. १९७० मध्ये स्थापन झालेल्या मराठी विभागाने ४५ वर्षांत अनेक चर्चासत्र, परिषदा, यांचे आयोजन केले. विभागातील प्राध्यापकांनी शोधनिबंध आणि पुस्तके लिहिली. अनेकांना पुरस्कार मिळाले. या सर्वांमागे कार्याध्यक्ष मा. डॉ. गजानन एकबोटे सर आणि प्राचार्य डॉ. राजेंद्र झुंजारराव सर यांच्या प्रेरणा आणि मार्गदर्शन आहे.

- डॉ. स्नेहल तावरे,

(मराठी पदव्युत्तर संशोधन केंद्र प्रमुख)

राज्यशास्त्र विभाग

शैक्षणिक वर्ष २०१४-२०१५ मध्ये द्वितीय वर्ष कला राज्यशास्त्र नवीन अभ्यासक्रम सुरू झाला. पुढील शैक्षणिक वर्ष २०१५-१६ मध्ये तृतीय वर्ष कला राज्यशास्त्र विषयाच्या अभ्यास पुनर्रचना कार्यशाळेसाठी दिनांक १३/३/२०१५ रोजी प्रा. खोले डी. एल. व प्रा. विजय फासाते हे एस. एम. जोशी महाविद्यालय, हडपसर, पुणे येथे अभ्यासक्रम पुनर्रचना कार्यशाळेसाठी हजर होतो.

प्रा. खोकले डी. एल.
 विभाग प्रमुख

Department of Psychology

Activities :

- Teachers Day Celebration- Cultural Program was arranged by students to express their respect and gratitude towards teachers.
- Film Show- 'Psych Film Fest' was organized by the Undergraduate students and films like "Kadachit", "Anjali" & "Provoked" were screened.
- **Presentations** by Under-graduate studentspresentations were done by the SYBA and TYBA students on various topics assigned to them.
- Study Visit- PG students- visit to Muktangan De-addiction and Rehabilitation Centre, Pune and UG students- study visit to Yoga Institute Kaivalyadham, Lonavala.
- Excellent placements most of our post graduate students are placed in various renowned Institutions like Morris Trust Foundation, Ace Academy, etc to name a few.
- Result Analysis In the academic year 2014-15, the success rate of T.Y.B.A. students was 94 % and that for M.A. was 100%.
- Various are always organized by the Department to help students gain extra knowledge. Various workshops and lectures were arranged, this year too. The details of the same are as follows:
- 1 Mind Power Mr. Sandeep Gaikwad
- 2 Career Guidance in Psychology Maithili Pendse
- 3 One-Day Workshop Pre-marital Counseling, Dr. Manasi Rajhans
- 4 One-Day Workshop- Conflicting Thought Analysis, Dr. C G. Deshpande

Highlights of the Department:

 Workshop on 'Emotional Development of Students' was arranged for Headmasters and Teachers of various schools. Dr. Sandeep Kelkar was invited as a Resource person.

Certificate Courses-

- 1 Flower Remedy 10 Days, Dr. Anjali Thombre
- 2 Graphology 10 Days, Prof. Sanjeevani Rahane

Achievements of Teachers:

Dr. Amruta Oke

- Member of the TYBA syllabus Revision/Subject -Committee of Board of Studies in Psychology.
- Chairman of the paper presentation sessions for National Seminar on Health and Wellbeing held on 19th & 20th December, 2014 at Symbiosis College of Arts, Commerce and Science.
- Chaired a session in 2nd National and 29th State level conference on 'Application of Psychology for the 21st century held on 27th & 28th December, 2014 at Sharadabai Pawar Mahila Mahavidyalaya, Baramati.
- Chaired a session and also presented research paper in the International Conference Enriching Employee engagement in Organization- Role of Psychology organized by Dept. of Psychology, University of Madras, Chennai, TamilNadu, India on 30th & 31st Jan and 1st Feb, 2015.
- Member of the Editorial Board of National Journal of Marathi Manasshastra Parishad with ISSN 2394-4730.

Smt. Vijaya Jagtap

- Attended National Seminar on 'Interdisciplinary Approach to Research and Teaching in Social Sciences' - St. Mira's College for Girls, Pune.
- Attended National conference on 'Positive Psychology: Challenges & Scope' organized by Loknete Vyankatrao Hiray College, Nasik.

Smt. Smita Vaidya

- Presented two Research Papers at National conference on 'Positive Psychology: Challenges & Scope', Nasik.
- 1. 'A comparative study on Quality of Life & Mental Health among Wives of Army Officers currently posted in Peace and Field Posting.'
- 'Co relational study of Mental Wellbeing & Quality of Life among Paraplegic Soldiers.'
- Attended a two day workshop on 'Structural Equation Model using "R" - the Department of Applied Psychology, University of Mumbai.'
- Attended 'Vidyarthini Arogya Prabodhan' training program organized by SPPU.
- Invited as a Guest Faculty to conduct a session on 'Stress Management' under the Health Center Initiative- 'Vidyarthini Arogya Prabodhan' by the Savitribai Phule Pune University at D.Y. Patil College of Engineering.

Mrs. Shradha Sakatkar

- Invited as a guest faculty to conduct Group Counseling session on 'Self-Discovery & Motivation' for M.Sc. students, Modern College.
- Attended an International Workshop on 'Finland education Model, Creativity & ICT in Education.'

- Attended 'Vidyarthini Arogya Prabodhan' training program organized by SPPU.
- Presented a Poster in the International Seminar
 "Teaching-Learning process and assessment
- techniques through Google Classroom.'

Mr. Sairaj Patki

- Attended a 2 day workshop on 'Structural Equation Model using "R" - the Department of Applied Psychology, University of Mumbai.'
- Attended 'Vidyarthini Arogya Prabodhan' training program organized by SPPU.
- Presented Research Paper titled, "Do women see Colors better than Men? A Computer Based Experimental Study of Hue Discrimination" for International Conference.
- Presented Research Paper titled, "Optimism, Perceived Social Support and Psychological Wellbeing among Teenage Boys and Girls" for National Seminar on Health and Wellbeing held at Symbiosis College of Arts, Commerce and Science.
- Invited as a Guest Faculty to conduct a session on 'Depression' under the Health Center Initiative-'Vidyarthini Arogya Prabodhan' by the Savitribai Phule Pune University at D.Y. Patil College of Engineering.

Students' Achievements:

- Our UG and PG Students have volunteered for many Institutes and NGO's.
- Ketki Pendse (MA-II), Siddhi Rale Pendse (MA-II), Rucha Mahajan Pendse (MA-II), Sayali Pathak (MA-II) presented Research Papers at the National conference on 'Positive Psychology: Challenges & Scope' organized by Loknete Vyankatrao Hiray College, Nasik.
- Vilas Mahadik Vilas (MA-II), Pradeep Shinde (MA-II) presented Research Papers in 2nd National and 29th State level conference on 'Application of Psychology for the 21st century'-Sharadabai Pawar Mahila Mahavidyalaya, Baramati.
- Parviz Majedi (MA-II) and Neha Kulkarni (MA-II) presented Research Papers at the National Seminar on 'Health and Wellbeing' held at Symbiosis College of Arts, Commerce and Science.
- All the faculty members actively participate, supervise and help in organizing various activities conducted by students in the Department. Students furthermore receive encouragement and timely support from all the teachers.

- Dr. Amruta Oke Head
Department of Biotechnology

Achievements:

- 1) Dr. Mrs Sangeeta Bhagat
- Research Project: BCUD research Project sanctioned for the year 2014-16 entitled "Screening of some indigenous plant species fot xanthine oxidase inhibitors - Potential remedy for GOUT".
- Worked as a co-ordinator for organizing committee for the International Conference on "Application of advanced technology for enhancing quality of science education" held at Modern College of Arts, Science & Commerce, Shivajinagar, Pune on 26th - 27th February 2015.
- Organized PTA meeting (Parent Teacher Association) of F.Y. Biotech students.
- Organized Biotech-fest & Industry-Academia meet at Department of Biotechnology, Modern college of Arts, Science & Commerce, Shivajinagar, Pune on 29th-31st Jan 2015.
- Organized a visit for postgraduate students to at CDFD, Agri-life, SOM Phytopharma (India) Ltd. And Chromo Laboratories Ltd., Hyderabad during 28thMarch-1st April, 2015.
- 2) Dr. Rebecca Thombre
- Research Project: BCUD research Project sanctioned for the year 2014-16.
- Worked as a co-organising secretary for the International Conference on "Application of advanced technology for enhancing quality of science education" held at Modern college of Arts, Science & Commerce, Shivajinagar, Pune on 26th 27th February 2015.
- 3) Dr. Shubhangi Puranik
- Coordinated three batches of certificate course in "Animal Tissue Culture".
- Working as a programme officer & committee member of Staff academy, P.G. association.
- Organized PTA meeting (Parent Teacher Association) of F.Y. Biotech students.
- Attended one day workshop "Entrepreneurship : A gateway for biologist 2014, at Fergusson college.
- Presented a poster in PHARMEET 2015 organized by MITCON, Pune and got 2nd position.
- Worked as a Sponsorship & session co-ordinator for the International Conference on "Application of advanced technology for enhancing quality of science education" held at Modern college of Arts, Science & Commerce, Shivajinagar Pune on 26th - 27th February 2015.
- Worked as a Chairperson for Industry-Academia Coordination committee & organized Biotech-fest & 2days Industry -Academia meet at Department of Biotechnology, Modern College Pune 5 on 29th -31st Jan. 2015.

- Organized a visit for undergraduate students to Dapoli. (Konkan Krishi Vidyapeeth)
- Organized a visit for M.Sc. II to BAIF & industrial visit to Hyderabad.
- Organized a visit for postgraduate students to at CDFD, Agri-life, SOM phytopharma (India) Ltd. And Chromo Laboratories Ltd., Hyderabad during 28thMarch-1st April, 2015.
- 4) Mrs. Rama Phadke
- Worked as a session co-ordinator for the International Conference on "Application of advanced technology for enhancing quality of science education" held at Modern College, Pune 5, on 26th - 27th February 2015
- Organized Biotech-fest at Department of Biotechnology, Modern College, Pune 5, 29th -31st Jan 2015.
- Presented a poster in Avishkar 2015 organised by SPPU and was selected for District level.
- Attended a seminar entitled at Deenanath Mangeshkar Hospital Pune
- Organized a visit for undergraduate students to Dapoli. (Konkan Krishi Vidyapeeth)
- 5) Dr. Geetanjali Litake
- BCUD research Project sanctioned for the year 2014-16 entitled "Evaluation of environmental dissemination of multi-drug resistant *Staphylococcus species*" Rs. 1.80 lac.
- Successfully completed the Teacher Training Program organized by Modern College, Pune 5, from 15thDec. to 17th Jan. 2015.
- Worked as a organizing committee member for the International Conference on "Application of advanced technology for enhancing quality of science education" held at Modern College, Pune 5, on 26th - 27th February 2015.
- Organized Biotech-fest & worked for Industry-Academia Coordination committee at Department of Biotechnology, Modern College, Pune 5, on 29th -31st Jan 2015.
- Organized a visit for postgraduate students to at CDFD, Agri-life, SOM phytopharma (India) Ltd. And Chromo Laboratories Ltd., Hyderabad during 28th March-1st April, 2015.
- 6) Dr. Sangeeta Sathaye :
- Worked as a session co-ordinator for the International Conference on "Application of advanced technology for enhancing quality of science education" held at Modern College, Pune 5, on 26th - 27th February 2015.
- Organized Biotech-fest at Department of Biotechnology, Modern College, Pune 5, on 29th -31st Jan 2015.

7) Mr. Ravi L Dabhade.

- BCUD research Project sanctioned for the year 2014-16 entitled "Green synthesis of nanoparticles and their biomedical application."
- Organized PTA meeting (Parent Teacher Association) of F.Y. Biotech students.
- · Successfully completed the Teacher Training Program organized by Modern College, Pune 5, from 15th Dec to 17th Jan 2015.
- Worked as a committee member for the International Conference on "Application of advanced technology for enhancing quality of science education" held at Modern College, Pune 5, on 26th -27th Feb. 2015.
- Worked in organizing committee of national conference on Dynamic Microbes: Role in Human Welfare organized by Modern College, Pune 5, on 20th -21st Feb 2015.
- Organized Biotech-fest & worked for Industry-Academia Coordination committee at Department of Biotechnology, Modern College, Pune 5, on 29th -31st Jan 2015.
- Worked as a member of organizing committee in state level semiar on Fresh water ecosystem of Maharashtra: Their Biota, Ecology and Health.
- Organized a visit for undergraduate students to Dapoli. (Konkan Krishi Vidyapeeth)
- Organized a visit for undergraduate students to Biochemistry division IISc. Bangalore and CFTRI Mysore.

8) Dr.Sharad Goswami

- Successfully completed the Teacher Training Program organized by Modern College, Pune 5, from 15th Dec to 17th Jan 2015.
- Worked as a committee member for the International Conference on "Application of advanced technology for enhancing quality of science education" held at Modern College, Pune 5, on 26th - 27th February 2015.
- Worked in organizing committee of national conference on Dynamic Microbes: Role in Human Welfare organized by Modern College, Pune 5, on 20th 30th-21st Feb 2015.
- Organized Biotech-fest & worked for Industry-Academia Coordination committee at Department of Biotechnology, Modern College, Pune 5, on 29thh-31st Jan 2015.
- Organized a visit for undergraduate students to Dapoli. (Konkan Krishi Vidyapeeth)
- Organized a visit for undergraduate students to Biochemistry division IISc Bangalore and CFTRI Mysore.
- Organized a visit of T.Y.BSc Biotechnology students to high-tech floriculture project of Agriculture College Shivajinagar.

Received 1 gold medal in Health and Hygiene and 1 silver medal in Boat pulling held in Karwar

Achievements of students:

Karnataka. Neha lonari

Pune.

Swangi S. Prakash

- Participated in Netball at national level
- . Has represented the Pune cityzone in interzonal Netball competition held at Yeola Nashik.

Received 3 gold medals in IGS in service subject.

Health and Hygiene and Boat pulling held in

- Secured winner place in intercollegiate Netball tournament
- Participated as player in 08 Maharashtra State senior Netball Championship 2014-15 at Satara. Nikhil Chris Noronha

- Participated in photography competition for the Biotech fest 2015.
- Volunteered for International Conference 2015. Nivas Bhole

- Volunteered for the International Conference 2015.
- **Prachi** Palande
- Volunteered in biotech fest 2015 and participated International Conference 2015.

Prachi B. Joshi

Volunteered in Biotech Fest 2015, Internationl Conference 2015.

Shweta Mirajkar

Participated in International Conference 2015. . Revati S. Jadhav

Volunteered and participated in International Conference 2015.

Kshamika Girme

- Participated in photography competition for the biotech fest.
- Volunteered and participated in International Conference 2015.

Pooja Kuril

- Participated in photography competition for the biotech fest.
- Volunteered and participated in International Conference 2015.

Surabhi Agnihotri

- Participated in poster competition in . International Conference 2015.
- Following S.Y.B.Sc biotechnology students participated in various competitions in Biotechfest 2015 Kanchan Sahu, Nilima Banger, Rasik Pawar, Pratik Ogale, Gaurav Kadam, Pratik Dudhal, Shankar Kadam, Shubham Magdum, Prabhakar Langhe, Shardddha Shambharkar, Aditi Dharia, Irsha Gaikwad, Aishwrya Kulkarni, Tejal Upare.

We are Proud of You Felicitation of Prof. Vandana Joshi by Dr. A. S. Kirankumar, Chairman ISRO and Dr. Wasudev Gade, Vice-Chancellor SPPU; for securing First Rank in M.A. Marathi, SPPU and deserving Three Gold Medals.



Felicitation of Our Staff on 'Gudhi Padwa Day' by Shri. Vighnahari Maharaj Dev - Chariman P.E.S.; in presence of Prof. Dr. G. R. Ekbote, Chairman, BC, PES, Shri. Malhar Arankalle, Editor, Sakal and Prof. S. S. Deshmukh, Secretary, PES.



Dr. Mrs. Neeta Patil - Best Teacher Award (Senior College)



Mrs. Swati Patwardhan - Best Non-Teaching Staff Award



Prof. Vandana Joshi First Rank M.A. Marathi SPPU



Deepika Jambukar - ICSR(W)



Shreeya Acharya, Std XII **Best Student Jr. College**



SUO Bela Deshpande T.Y.B.A.



JUO Makarand Dhamale S.Y.B.A.



CPL Omkar Jagtap S.Y.B.A. All India Doon Trek



Vaibhav T. Kudale AINSC - Gold



Deepti Sharma AINSC - Silver



AINSC - Bronze



Swangi S. Prakash



Tabish Shaikh RDC Naval NCC



Mr. Umesh Gore - Lab. Asst.

Qualified SET for Lecturership

Library and Information Science

Sonakshi Upadhaya, M.A.II English **Best Student Post Graduate**





Ashish Kale IGC - AINSC

Congratulations



Prof. Valmik Wagh Qualified UGC - NET for Assistant Professor



Paffull Rokade - ICSR(M)



Suvarna Indore, T.Y.B.Sc. Maths **Best Student Sr. College**

CPL Rajat Ninave

S.Y.B.A.







SUO Kapil Sabale S.Y.B.Com. participation in S.Y.B.A. All India Doon Tre-RDC-2015 New Delhi





WE THE STAFF







Science Faculty Commerce Faculty



WE THE STAFF

Junior College





Non-Teaching Staff

Non-Teaching Staff





International Students -Cell



Avishkar Group

Parent-Teachers Association Junior College





Parent-Teachers Association Junior College





All India Doon Trek - Dehradun, Uttarakhand



Swachh Bharat Abhiyan



All India Doon Trek - Dehradun, Uttarakhand



Blood Donation Camp



Blood Donation Camp



National Camp participants Army and Naval Cadets



RDC CDT Kapil Sabale felicitated by Maj. Gen. Subodkumar, ADG, Maharashtra Directorate at Mumbai





Special Camp - Hands at work



Drishti Abhiyan



Special Camp - Physical fittness



Cleanliness Drive



Special Camp - Lecture by Dr. S. K. Ujlambkar



Reaching school children

Widening Horizons - Getting Global



Science Faculty Teachers with **Prof. Andrew Drinnan,** Assosicate Dean, Learning and Teaching, **Melbourne University** and **Dr. B. S.M. Rao,** Visiting faculty **IISER.**

Promotion Event : Narendra Naidu welcomes Prof. Cheng-Yao Lo and Prof. Yu-Lin Wang from National Tsing Hua University, Taiwan.





Dr. Anne E. McCall, Dean and Prof. Neha Khanna, Department of Economics, both of Hapur College of Arts and Sciences, Binghamton, New York, with Librarian Mrs. Madhuri Datre.

Dr. Beedun ABBA (Devanand), Senior Lecturer, Head, Department of Marathi Studies, Mahatma Gandhi Institute, Moka, **Repubic of Mauritius** during his visit at Modern College, Pune 5.



T.Y.B.Sc students Mr. Athith Chitnis, Mr.Yash Bogawat, Mr.Akshay Marathe filed a patent under the guidance of Dr.Rebecca Thombre on "Green Synthesis of nano particles".

> - Dr. Mrs. Sangeeta Bhagat Head

Department of Botany

The Department of Botany has always tried to impart quality education at Junior, Senior, Postgraduate, Doctoral research and Post Doctoral Research levels. This year the number of students enrolled for Botany is F.Y.B.Sc: 150; S.Y.B.Sc:126; T.Y.B. Sc: 21 and M.Sc I, II - 50.

Departmental Activities

- Several field trips were organized for B.Sc and M.Sc students to develop and increase their interest in Taxonomy of plants.
- 'A Workshop on Plant Tissue Culture Technique' was conducted under DBT-Star College Scheme for S.Y.B.Sc. Students. 45 students participated in the Workshop. The duration of the course was from September 2014- February 2015.
- iii) Under the guidance of Dr. R.S.Zunjarrao in the month of February 2015, the Department of Botany had organized an Intercollegiate Photography Competition based on the theme of 'Landscapes'. Dr. Rajkumar Barmukh coordinated this event. It also included the exhibition of about 110 photographs submitted by students and teachers from various colleges. Mr. Sagar Gotkhindikar, a renowned photographer and cinematographer, was invited as Judge for this competition.
- iv) Under the guidance of Dr. R.S. Zunjarrao, the department organized Flower arrangement competition and Model competition on 10th January 2015 and 3rdFebruary 2015 respectively. Around 160 students participated in both the events.
- v) Arranged lectures on Bio-fertilizers and Power of Green for UG and PG students.

Different Courses conducted by Department

- Skill development workshop in Seed Technology was conducted by Prof. Arti P Goggi during July 2014 to October 2014.
- Skill development workshop of one week duration on Plant Microtomy was conducted in Dec. 2014.
- iii) Skill development workshop of one week duration on Basic laboratory techniques was conducted in February 2015.

All these workshops were conducted under DBT Star College Scheme.

List of Professors invited as guest Lecturers for M. Sc. course.

 Dr.V.D.Ranade, Retd. Head, Botany Department, Garware College, Pune.

ii) Dr. Bonde, Agharkar Research Institute, Pune.iii) Mr. Abhinay Nirmal

iv) Mr. Pankaj Mundada

Study Tours and Excursion

Local Botanical excursion tour was organized by the Botany Department in September 2014 for F.Y.B.Sc. Botany students to Tamhini ghat for studying plant diversity and also for collection of plants.

- A Botanical Excursion Tour was organized at Mahabaleshwar for the students of S. Y. B. Sc.in the month of February 2014 for observation of Angiospermic and other plants.
- ii) A four day excursion tour was arranged at Amboli and Malvan for the students of T.Y.B.Sc. for the collection and study of marine algae in the month of February 2015.
- iii) A short visit to the Plant Tissue Culture Laboratory of the Department of Biotechnology, Modern College of Arts, Science and Commerce, Shivajinagar, Pune, was organized for the students of S. Y. B. Sc. in the month of Feb.2015.
- iv) A visit was arranged for T. Y. B. Sc. students to Ayurvedic Rasshala ,Karve road Pune, Plant Breeding Station of ARI, Seed Testing Lab, Seed processing unit.
- v) A visit was arranged to Dive-Agar, Harihareshwar for M.Sc. II students in the month of January 2015 to observe the algal diversity
- vi) A visit was arranged to BSI for M.Sc. I and II students in the month of March 2015.

Staff Achievements

Undergraduate Wing

- Dr. R. S. Zunjarrao
- a. Working as Principal Investigator of a major research project entitled 'Developing a Digital Herbarium of Angiospermic Plants of The Western Ghat Regions of Maharashtra.', sanctioned funds of Rs. 9,86,750/-
- b. Sanctioned a research project entitled "Optimization of Growth Rate of Potential Biodiesel Producing Microalgae" by BCUD, Savitribai Phule Pune University of Rs. 2,40,00/ - for the year 2015-16.
- Appointed as consultant by 'Shirke Bioenergy' Pvt. Ltd. Pune, for two years.

Dr. N. M. Patil

a. Awarded 'Best Teacher award' by Progressive Education society on 21st March 2015.

- b. Organized Poster competition for undergraduate & PG students, under the 'Young Sangshodhak' scheme of Research Monitoring Committee.
- c. Invited as Judge for 'BioRangoli Competition conducted by Department of Biotechnology, Modern College, Shivajinagar, Pune 5.

Dr. R.B. Barmukh

- a. Coordinated an activity of an 'Intercollegiate Photography Competition'.
- b. Worked as an Assistant Editor of the Editorial Committee and as a Chairman of Registration Committee for the International Conference on 'Application of Advanced Technology for Enhancing Quality of Science Education', organized at the Modern College, Pune-5, on 26th and 27th February 2015.
- c. Presented a paper entitled 'Digital Herbarium' in the International Conference on 'Application of Advanced Technology for Enhancing Quality of Science Education' organized at the Modern College, Pune-5, on 26th and 27th February 2015.
- d. Worked as a member of a subcommittee of Board of Studies in Botany, SPPU, for revising the syllabus of TYBSc Botany.
- Dr. U. R. Wayase
- a. Coordinated and Conducted 'A Workshop on Plant Tissue Culture Technique' which was conducted under DBT-Star College Scheme for S.Y.B.Sc. students. 45 students participated in the Workshop. The duration of the course was from September 2014- February 2015.
- b. Successfully completed One week Short Term Course conducted at Ahmednagar College, Ahmednagar held on 19th -24th December, 2014.
- c. Guided M.Sc. students for BCUD sponsored Project Competition named "Avishkar". The project was selected in the first round at University level and it was presented in the state level competition at SPPU, Pune.
- d. Participated and presented a paper on 'Effect of effective microorganism on dairy effluents 'In National ConferenceonDynamic Microbes: Role in human welfare organized by Department of Microbiology, Modern College, Pune 5, on 20th and 21st February, 2015.
- e. Participated and presented a paper on 'QR code: A smart teaching learning tool'In International Conferenceon 'Application of Advanced Technology for Enhancing Quality of Science Education' organized by IQAC Modern College, Pune 5, under quality improvement program of SPPU, Pune-7 on 27th and 28th February 2015.

Prof. Arti Goggi

- a. Conducted and coordinated Seed technology course for T. Y. B.Sc.
- S.Y. B. Sc. Students were guided for BCUD sponsored Project Competition named 'Avishkar'.
- c. Completed Refresher course in Life Sciences.
- d. Member of Registration committee for International conference on'Application of Advanced Technology for Enhancing Quality of Science Education' organized by IQAC Modern College, Pune 5, under quality improvement program of SPPU, on 27th & 28th Feb. 2015.

Prof. Aditi Kulkarni

- a. Conducted Seed technology course for T. Y. B.Sc. students.
- b. Guided S.Y.B.Sc students for BCUD sponsored Project Competition named "Avishkar".
- c. Completed general Orientation Programme conducted by UGC ASC, SPPU.
- d. Participated as member of Certificate Preparation committee and presented poster on Usage of Technology- a step towards paperless environment for International conference on'Application of Advanced Technology for Enhancing Quality of Science Education' organized by IQAC Modern College, Pune 5, under quality improvement program of SPPU, Pune-7 on 27th and 28th February 2015.

Post Graduate Wing

Dr. K. D. Gopale

- Appointed as consultant by 'Shirke Bioenergy' Pvt. Ltd. Pune, for two years.
- b. Has been sanctioned a research project entitled "Optimization of Growth Rate of Potential Biodiesel Producing Microalgae" by BCUD, SPPUof Rs. 2,40,00/- for the year 2015-16.
- c. Working as Principal Investigator on research project entitled "Fatty Acid Profiling and Molecular Characterization of Potential Biodiesel Producing microalgae from South India. SB/FT/LS-403/2012" by DST, New Delhi, of Rs.24, 00,000/-, for the year 2013 - 2016.
- d. Invited as guest lecturer at Abeda Inamdar College and Modern College, Pune 53.
- e. Attended training programme on "Techniques for Bioprocess Downstream Process Engineering and tools for Systematic Metabolic Engineering" organized by Sri Venkateshwara College of Engineering, Pennaluar, Sriperambudur, Chennai on 1st Dec. to 22nd Dec. 2014.
- f. Invited as Judge by Indrdhanu Environmental Center of Pune Corporation for project presentation on 22nd December, 2014.

Prof. Rasika Kulkarni

- a. Member of Certificate Preparation committee and Felicitation committee for International conference on Application of Advanced Technology for Enhancing Quality of Science Education' organized by IQAC Modern College, Pune 5, under quality improvement program of SPPU, Pune-7 on 27th and 28th February 2015.
- b. Guided students for intercollegiate competition "Botanica" organized by N. Wadia College, Pune
- c. Cleared SET examination in Life Sciences conducted by SPPU.

Students' Achievements

- a. Students of S.Y. B. Sc. Botany, Mr. Sagar Nikam and Mr. Kiran Raskar and Ms. Pooja Wavhal and Ms. Meenal Shukla presented a poster on at Avishkar zonal Level Project Competition on September 29th 2014 held at Abasaheb Garware College of Arts and Science, Pune-411004.
- b. Following students obtained prizes in the -

Flower arrangement competition:

1st prize: Minal Sable, Ruchika Sor

2nd prize:Chaitali Bhalerao, Shweta Patil, Pradnya Gorde

3rd prize: Sushant Amate, Akshay Wajage, Yogesh Raut and Rashmi Bhosale, Vaishnavi Uchgaonkar, Salonee Martins

Consolation prize:Arshiya Nadaf, Prachita Pillay and Tejaswi Bari, Pooja Borkar, Priyanka Giranje

Model competition:

Undergraduate section

1st prize: Ankita Shinde, Jaini Shah, Sonali Pharate, Priti Tambe, Shweta Gargote, Pradnya Pisal, Ashutosh Shirsat, Pratik Shinde

2nd prize: Snehal Kolhe, Seema Bangar, Radha More, Priyanka Ghatol, Priyanka Shinde 3rd prize: Pranav Giri, Tushar Gopane

Consolation prize: Ashwini Kolhar

Post graduate section

1st prize: Jaya Kamble, Aditi Namjoshi, Shekhar Manore

2nd prize: Pranav Shivangikar, Sarang Bokil, Sandip Mate

3rd prize: Rahim Bagwan, Swapnali Bankar, Ashwini Gaikwad, Arati Bankar, Rohini Kole

Intercollegiate Photography competition:

First Prize was won by Ms. Mrinal Cariappa from Fergusson College.

Second Prize was won by Ms. Shrutika Bhalerao, Modern College, Pune-5

Third Prize was won by Mr. Omkar Joshi, Modern College, Pune-5.

Winners of Botanica Competition

- a. Flower arrangement competition: Priyanka Nimbhorkar and Madhuri Bhavsar (M. Sc. I) earned 2nd prize.
- b. Rangoli competition: Namjoshi Aditi and Sutar Snehali (M. Sc. I) earned 2nd prize.
 - c. Salad decoration competition: Roshani Sonawane, Abhishek Bhor, Bankar Arati (M.Sc. I), Prachi Aragade and Sonali Shedge (T.Y.B.Sc.) earned 1st prize.
- d. Oral presentation: Pranav Shivangikar (M.Sc.II) earned 2nd prize.
- e. Oral presentation: Sarang Bokil (M. Sc. II) earned 1st prize.
- f. Photography competition: Tukaram Rakshe (M. Sc. II) earned 2nd prize and Prachi Aragade (T.Y.B.Sc.) earned consolation prize.

- Dr. R. S. Zunjarrao Principal and Head

Department of Chemistry

Chemistry Department is one of the big departments in the college having about one thousand junior wing students, five hundred U.G. students and hundred P.G. students studying under its umbrella with the help of about forty full time and visiting teaching and non teaching staff. Prof. S. R. Pokharkar, after completing his service of thirty six years in this college with the last seven years as the Head of this department retired on 30th Sept. 2014.The department was benefited during his tenure by his sound knowledge in the subject and meticulous administration. The college authorities put the responsibility of Headship on the shoulders of Dr. (Mrs.) S. D. Joag on 1st Oct. 2014.

Activities for the students:

1. CHEM-MODERN COMPETITIONS:

A. Chemistry Quiz Competition: (20th Jan. 2015) Organizing Committee:

Students : Ms. Ashwini Kambale, Ms. Shital Kalgaonkar, Ms. Neha Muley, Ms. Manasi Sabane and Mr. Vijay Sangale. (T. Y. B. Sc Chemistry)

Staff Members :Dr.(Mrs.) Manisha Nigudkar, Prof.(Mrs.) Lalita Rane, Prof. Amol S. Warangule. The selection round was conducted by the student members of the committee in the classes F. Y. B. Sc (A & B), S. Y. B. Sc (A & B),T. Y. B. Sc (Chemistry) and M. Sc (I & II) (Analytical Chemistry) to form four teams for the final round viz. H. J. Arnikar, R. A. Mashelkar, V. N. Gowarikar and C. N. R. Rao.

The Winners were C. N. Rao team;

Mr. Akash Thorat (S. Y. B. Sc), Ms. Meenal Shukla (S. Y. B. Sc), Mr. Mangesh Shinde (T. Y. B. Sc), Mr. Lav Chaskar (M.Sc I), Mr. Sanskaar Gujar (M.Sc.II)

B. Poster Competition: (21st Jan. 2015)

Organizing Committee: Prof. R. M. Jagtap, Prof. A. S. Warangule, Dr. (Ms) Kunda Gaikwad. Themes for the posters: • Drug Development • Fuel and Renewable fuel sources • Catalysis • Forensic

Analysis • Natural Products • Bioremediation • Nuclear Chemistry • Explosives • Modern

Analytical Techniques

Total Participation : U.G. - 22 posters (60 students), P.G. - 13 posters (35 students).

Judges : Dr. (Mrs) Sangita Bhagat, Head, Biotechnology, Modern College, Pune 5.

Prof. N. R. Dhatrak, Dept. of Chemistry, SPPU. Results : U. G. Section

1st Prize-Pratik Londhe, Dattatray Malgunde, Ajit Mundhe, Ajay Dixit (T.Y.B.Sc.)

2nd Prize : Amol Sul, Prasad Walunj, Yogita Thorat, Ankita Bobade (T.Y.B.Sc.)

3rd Prize - Mrunalini Kumbhar (S.Y.B.Sc.)

P.G. Section

1st Prize - Shailesh Gajare, Sanskaar Gujar, Prashant Kadam, Sachin Bhor (M.Sc.II)

2nd Prize - Pratik Mane, Tanaji Shendage, Neelam Kurhade, Kalyani Patil (M. Sc II)

3rd Prize - Priyanka Choudhari, Priyanka Nadgauda, Reshma Ballal, AmritaYadav (M. Sc II) C. Exhibition Competition: (21st Jan. 2015)

Organizing Committee: Dr. (Mrs) S.D. Joag, Prof. (Mrs.) P. B. Suryavanshi, Prof. Manisha Kashid, Prof. Tejal Dolas

Total Participation : U.G. - 14 exhibits (44 students), P.G. - 09 exhibits (28 students)

Judges : Prof. S. R. Pokharkar, Ex-Head, Department of Chemistry.

Prof. N.R.Dhatrak, Dept. of Chemistry, SPPU. Results : U. G. Section

1st Prize - Priti Tambe, Shweta Gargote, Sonali Pharate, Pratik Shinde, Ashutosh Shirsat. (F.Y.B.Sc.) 2nd Prize - Mayur Gavhane (T. Y. B. Sc, Maths.)

3rd Prize - Mangesh Shinde, Rupesh Shinde, Mangesh Pacharane, Rupesh Dhumal (T.Y.B.Sc.) P.G. Section

1st Prize - Amar Suryavanshi, Ajinkya Kombkar, Hiraman Dabhade, Tejas Kokane (M.Sc.I)

2nd Prize - Ashwini Sherikar, Payal Pawar, Sonali Shinde, Pranit Jadhav, Niket Karvande (M.Sc. I)

3rd Prize - Vinod Nimbalkar, Sushant Kudale, Abhijit Bandgar (M. Sc I)

2. INTER COLLEGIATE ACTIVITIES: A. Science Park Exhibition : 28th Feb. 2015

'Science Park Exhibition' was a very big event at SPPU, Pune, on Science Day. Vice Chancellor Dr. Wasudev Gade inaugurated the Science Park which housed a very large number of exhibits giving live

Modern 2014 - 15 + 28

demonstrations of scientific principles. The Chemistry Section of the Science Park was entirely set up by about twenty students of our college under the guidance of Dr. Sushama D. Joag.

Student Participants:

- Atomic Emission :Amar Suryavanshi and Vishal Khaire (M. Sc. I)
- Electrochemical Cell :Atul Bokase, Luv Chaskar, Vaibhav Gavane and Amit Borse (M.Sc.I)
- Universal Indicator :Payal Pawar and Supriya Kale (M. Sc. I)
- World of Chirality :Yasmin Momin, Komal Suryavanshi, Pranali Bagul, Jaylaxmi Swami and Akshata Hajare (M. Sc. I)
- Crystal Structure Models : Priti Tambe, Shweta Gargute, Sonali Pharate, Pratik Shinde, Ashutosh Shirsat (F.Y.B.Sc.)
- Secrets of Back stage :Mayur Gavane and Amol Patil (T.Y.B.Sc.)
- Blushing Doll and Spray Writing : Vinod Nimbalkar, Sushant Kudale Abhijit Bandgar (M.Sc.I)

B. Lecture Competition:

 Ms. Amrita Yadav - M.Sc. II - 2nd Prize 'H. J. Arnikar Lecture Competition' organized by Department of Chemistry, SP Pune University, Pune on 21st Feb. 2015. 1st Prize - 'T. R. Ingale State level Lecture

Competition' organized by S. P. College, Pune on 3rd March 2015.

 Mr. Sanskaar Gujar - M.Sc. II - 1st Prize 'Dr. M. J. Pujari Lecture Competition' organized by Abasaheb Garware College, Pune on 3rd March 2015.

The guidance provided by Prof. R. M. Jagtap to the all participants was very valuable.

3. EDUCATIONAL/INDUSTRIAL VISITS:

 Educational Visit to Central Instrumental Facility, Department of Chemistry, SPPU, Pune on 6th Feb. 2015. Organizer: Dr. Kunda Gaikwad No. of students participatesd : 38 students from M. Sc II.

Accompanying teachers : Dr. M. T. Nigudakar, Mrs. L. B. Rane and Ms. M.J. Kashid

 (ii) Industrial Visit to Jubliant Life Sciences, Neera.Organizer: Dr. Kunda Gaikwad No of students participatesd : 47students from M. Sc I & II.

Accompanying teachers : Dr. M.T.Nirgudakar, Mrs. L. B. Rane and Ms. M.J. Kashid

ACTIVITIES OF STAFF MEMBERS:

Dr. (Mrs) S. D. Joag

• Resource Person :Teachers Training Workshop, Mahesh Vidyalaya, Pune (9th Jan 2015).

- Advisory Committee Member: B.V.B's Muktangan Science Exploratory, Pune.
- Member, Organizing Committee: 'SCIENCE PARK' of S. P. Pune University, Pune. Fulfilled the responsibility of setting the Chemistry Section of 'Science Park Exhibition' on 28th Feb. 2015.
- Member, Syllabus Framing Commitee, IISER: Contributed to the syllabus framing for the proposed 'Blended B. Sc' programme of Melbourne University, Australia and SPPU, Pune, at the meeting organized at IISER, Pune on 26th Feb. 2015.
- Participated in 'International Workshop on Chemistry Education' at IISER, Pune 16th -17th Dec. 2014.
- Trustee, Pune Prarthana Samaj : Organization of and participation in Musical Programme to give message of faith in all-pervading God and humanitarian religion, Organization of cultural camp of children.

Dr. S. K. Ujalambkar

- Popoular Lectures 1. Lecture on 'Discoveries in Science' at Modern College of Pharmacy on 22 July 2014.
- 'Innovation is Science' a lecture delivered at NSS camp of Modern College of ASC Pune 5 at Phulgaon on 02 Dec 2014.
- 'Creativity in Science' a lecture delivered at NSS camp of Modern College of ASC Pune 5 at Phulgaon on 11 Dec 2014.
- Lecture for NSS students at S. M. Joshi College, Hadapsar on Sanskaar, Sanskriti and Seva on 23 Dec 2014.
- A lecture on 'Acciedental Discoveries' at Modern College of ASC, Pune 16 on 10 Jan 2015.
- Guidance Lectures 1.Guidance Lecture for Chemistry for 10th students at Modern Marathi Medium School on 08 Aug 2014.
- Guidance lecture for Chemistry for 10th students at Modern English Medium School, Warje on 20 Nov. 2014.
- Guest lecture for Science teachers at Science Park, Chinchwad on 17 Jan. 2015.
- Guest lectures for students and teachers by Gavit Adhyapak Sangh on 'Research activities in Science' on 15 Feb. 2015.
- Ganesha Lectures 1. Exhibition and lecture on 'Lord Ganesha' for 4th standard students at Modern Marathi Medium School on 04 Sept 2014
- Lecture on 'Stories of Lord Ganesha' for Nursery and 1st standard students at Modern English Medium School on 06 Sept 2014.
- Ganesh Festival Lecture on 'Lord Ganesha' at Doctors Colony, Baner on 30 Sept. 2014.

 Workshop Conducted an one day workshop on 'Preparation of Household Chemicals' at S. M. Joshi College Hadapsar, Pune 28 on 17 Dec 2014.

Prof. (Mrs.) P. B. Suryavanshi

- Participated in 'International Workshop on Chemistry Education at IISER', Pune on 16th -17th Dec. 2014.
- Participation in International Seminar on 'New Horizons in Cancer Research' at Abeda Inamdar College, Pune 7th -8th Jan. 2015.
- Elected as a Working Committee Member of P.E.S's Employee's Co-operative Credit Society on 19th March 2015.

Prof. H. K. Gaikwad

- Completed 'Refresher course in Chemistry' at SPPU from 1.12.2015 to 21.12.2015.
- Attended the National Workshop on "Molecular Modelling and Drug designing" organized by Department of Chemistry, SPPU, during 25th to 30th March 2015.

Prof. R. M. Jagtap

- Completed 'Teachers Training Programme' with modules on Indian Education System, Soft Skills and ICT in Research and teaching organized by Modern College of ASC, Pune 5 in association with ABEED Institute.
- Presented a poster on 'Synthesis and biological activity of novel 2-aryl- thiazolidine-4-carboxylic acids And ester derivatives as novel antimicrobial agents' at Innovation - 2014 organized by B. R. Gholap college, Sangavi, Pune on 29th April 2014.
- Invited talk at National Seminar on 'Role of Metals in Drugs' organized by New Arts, Commerce and Science College, Shevgaon, Ahmednagar on 26th - 27th September 2014.
- Presented a paper as an oral presentation as 'Chromatographic separation and X-ray crystal structure of (2S/2R,4R)-3-(tertbutoxycarbonyl) -2- (2-hydroxyphenyl)-thiazolidine-4-carboxylic acid diastereomers' at ICC Annual Conference held at Indian School of Mines, Dhanbad, Jharkhand from 15th to 17th December 2014.
- Participation in International Seminar on "New Horizons in Cancer Research" at Abeda Inamdar College, Pune 7th -8th Jan. 2015.
- Guided five T.Y.B.Sc students for research project under 'Yuva Sanshodhak Scheme' funded by Research review committee project of Modern College of ACS, Shivajinagar Pune 5.
- Guided three M. Sc. II (Analytical Chemistry) students for their Research Project as a partial fulfilment of M. Sc. II syllabus.

Prof. A. S. Warangule

- Attended a two days National seminar on 'College-Industry Interface' on 5th & 7th December, 2014 at Rayat Shikshan Sanstha's Mahatma Phule Mahavidyalaya, Pimpri, Pune.
- Actively participated in SPPU T.Y.B.Sc. Chemistry 'Syllabus Framing Workshop' held at Arvind Telang College, Nigdi on 8th Jan. 2015.

Prof (Mrs) L. B. Rane

 Attended a two days National seminar on 'College-Industry Interface' on 5th & 7th December, 2014 at Rayat Shikshan Sansth's Mahatma Phule Mahavidyalaya, Pimpri, Pune.

Dr. Kunda Gaikwad

 Oral presentation at International Conference on Advanced Oxidation Processes 2014 at Munnur, Kerala on 25th -28th December 2014.

Prof. S. R. Pawale

 Participated in "Chemical Education Programme at 9th CRSI-RSC International Symposium" on 5th Feb. 2015, accompanied with std. XI Students
 Ritesh Dabhade, Saurav Kale, Saurabh Kothawade, Nupur Puranik, Prachi Khinwasara.

Prof. (Mrs) S. K. Barve

• Appointment as custodian for Modern College Centre of H.S.C. Examination - March 2015.

Prof. (Mrs) S. B. Nighot

• Appointment as a moderator for H. SC. Examination March 2015.

To conclude, the year 2014-2015 was full of activities for students and staff of the Chemistry Department. The whole hearted support given by Pricipal, Dr. R. S. Zunjarrao is gratefully acknowledged.

> - Dr (Mrs.) Sushama D. Joag Head

Department of Computer Science Department Profile

Our students are in the field of Computer Science and Applications. Their entry for the course is on the basis of merit. At the undergraduate level their performance at HSC (Science) with mathematics as compulsory subject is the criteria for the admission. At the postgraduate level their performance at the B.Sc. (Computer Science) degree and performance of the entrance examination is the criterion for the admission for the M.Sc. (Computer Science) course and MCA (Under Science Faculty). Recently, University of Pune and Govt. of Maharashtra has accorded permission to start B.Sc.(Animation) course.

We are proud that the students opt for our centre with highest priority. As a result, the students of Modern College, Shivajinagar, Pune-5 are at the forefront in the IT field. During their graduate and postgraduate studies they undertake the projects which are relevant to the current Industrial needs. These projects have helped students to apply their theoretical knowledge to the real life situation.

Through practical demonstrations, Guest Lectures, Group Discussions etc, we bring the latest in computer technology to our students. Cocurricular activities sharpen their minds and other skills that help in overall development.

A large number of students are getting excellent placements in India and abroad. Every year several students are also selected in reputed foreign universities for higher studies. Various educational authorities have noted the achievements of reputation of the college. There is overwhelming response from the students to secure admission to the courses offered by the department.

Activities conducted during the year:

• Kartikeya Rindani Intercollegiate Programming and Quiz Contest (Saturday, 14th February 2015) Joint endeavor of Rindani Family and Alumni of Computer Science Dept.

Four needy students of Computer Science Department have received Rs.15,000/- Scholarship to pursue their further education.

Poster Competition was conducted on 14th February 2015 on the topics Encryption, Computer Graphics, Ethical Hacking, Operating System, Satellite Communication, Big Data, Distributed Computing, Robotics, Gaming, Image Processing and Artificial Intelligence. Prof. Mrs. Manisha Suryawanshi worked as a co-ordinator for this activity.

Intercollegiate Quiz Contest was conducted on Saturday, 14th Feb 2015 around 50 students from various colleges have participated in the contest. Prof. Mrs. Vaishali Bhoite, Prof. Sanjay Daf, Prof. Sheetal Patil and other staff members of the department have made the event a grand success. B. M. Murrtha Bracomming Contest.

R.M Marathe Programming Contest

The contest was held on Fridaay, 9th Jan 2015. The competition was conducted in two rounds. The first round was an objective test. The shortlisted students appeared for On-line programming competition. Forty five students participated for the Objective test and nine students were shortlisted. The prize winner was Mr. Bhushan Nikam (T.Y.B.Sc-Computer Science) Prof. Madhuri Ghanekar worked as the co-ordinator for this programming contest

SEMINARS - This year the Department had organized a Seminar Series by inviting eminent personalities from the field of IT. Prof. Mrs. Manisha Suryawanshi worked as co-ordinator for the activity. This activity proved beneficial to the students as well as to the staff members and helped in establishing college and industry relationship. All teaching and non-teaching staff members took active participation in the smooth conduct of the seminar series. We are also thankful to the college administration for providing us necessary support in this regard.

Activities and support from the Alumni:

- Past students have supported in placement of current batch students in the reputed IT Industries and in offering training programmes.
- Project guidance is made available from Alumni to the students in the form of lectures, project guidance and by conducting counseling sessions.
- Group Discussion and Seminars Group discussion sessions of the present students were arranged and seminar sessions of past students are arranged on every Saturday on different topics.
- Active participation "Kartikeya Rindani Intercollegiate Progamming Contest-2015"
- Mock Interviews were conducted by the past students who are working in reputed IT industries for the current batch students to face the challenges of present competitive world and to make them mentally prepared for the competition.
- Pride Alumni of Computer Science Department: The brilliant students of our department are working at higher position in various fields like Science & Technology, Research, Business, Banking, Industries, Education, Engineering, Medicine and Administrative Services etc. often visit our college and encourage present batch students.

Staff achievements

- Prof. Mrs. Anjali Sardesai appointed as Member, on ad-hoc, Board of Studies for B.Sc.(Animation) course of SPPU, Pune-7.
- Prof. Abhjit Sathe worked as a Resource Person at the BCUD sponsored Workshop for MCA(Science) Syllabus Restructuring and Implementation held at Fergusson College in the month of March 2015.
- Following staff members have published research papers in the National Level Seminars/ Conferences and Workshops.
- Prof. Mrs. Anjali Sardesai
- Prof. Mrs. Kalyani Salla
- Prof. Mrs. Shilpa Dange

Student achievements and awards:

Students took lead in organizing Project Exhibition, Poster Competition, Quiz Contest and Programming Contest and participated in various intercollegiate events. Students secured prizes in the various intercollegiate events and competitions.

Placement Service provided to the students:

- Department of Computer Science has a Placement Cell and runs placement activity through a Placement Cell for Post-Graduate Students and Under-Graduate Students. Prof. Manisha Suryawanshi has been working as a Placement Co-ordinator and Chairperson of the Placement Committee for the placement activity under her able guidance 92% of students from the Post-Graduate Wing (M.Sc.(Computer Science), MCA) are placed in reputed organizations.
- All teaching and non-teaching staff members of the Department provided necessary support in smooth conduct of this activity. Under Graduate students are also placed in reputed software companies.
- Staff members had taken active participation in the on line admission process of B.Sc. (Computer Science), MCA and M.Sc.(Computer Science) courses.
- A committee was constituted for conducting M.Sc. (Computer Science) and MCA Entrance Examinations 2014. Dr. G.R. Ekbote (Chairman, P.E. Society) Prof. P. S. Chirputkar (Chairman, LMC), Dr. A. K. Pande (Chairman, LMC), Prof. Mrs. Jyostna Ekbote (Chairperson, LMC) Principal Dr. R. S. Zunjarrao (Chairman of the Entrance Examinations Committee) provided necessary guidance and administrative support in organizing the entrance examinations smoothly.

- Prof. Deshmukh Shamkant Vice Principal and Head

Department of Electronic Science

The student strength of the department is about 572 during academic year 2014-15, which includes Junior, Senior and P.G. students. Recognized Post Graduate Research Centre by University of Pune in Electronic Science was established from July 2011.

[A] Activities conducted during the year

During the academic year 2014-15 staff members prepared Students manual for practical courses. Guest lectures by eminent persons were organized. Two of the T.Y.B.Sc. Students presented research project in "AVISHKAR", project competition organized by Savitribai Phule Pune University. A group of four students successfully completed project on "e-waste management", under Yuva Sanshodhak Scheme of the college.A Project competition "IMAGINE-2015", was organized on

28th February 2015. T.Y. B.Sc. Students visited Technical expo at Sakhar Sankul.

- [B] Research, Paper Presentation by Staff Members
- Prof. S.R. Chaudhari presented a paper in National Conference at Fergusson College on "e waste management a challenge to public health".
- 2. Prof. S.R. Chaudhari presented a paper in National Conference at PoonaCollege on "Effective teaching using ICT at undergraduate education.
- 3. Prof. S.R. Chaudhari presented Poster paper on "Application of Advanced technology for effective teaching in Electronics" at for International Conference on "Application of Advanced Technology for Enhancing Quality of Science Education" to be organized on 26,27 February 2015 , by Modern College of Arts ,Science and Commerce Shivajinagar,Pune-5
- 4. Prof. P.S.Varade presented a paper in National Conference at Fergusson College on "e waste management a challenge to public health".

[C] Activities & Support from Alumni.

Our Alumni student visited the department on various occasions. Particularly students from Vocational course contribute in practical training to students and Post graduate students guides the students regarding placements and technology revolutions in various fields of electronics. Many of the past students from post graduate visited on the occasion of project competition "IMAGINE-2015", on 28th February 2015.

[D] Achievements by students

All T.Y. B.Sc. Students completed a certificate course on 'Printed Circuit Board (PCB) Design and Manufacturing.

[E] Achievements by staff members Prof. S.R. Chaudhari

- Member of organizing committee : National Conference on 'Advances in electronic and its interdisciplinary applications' from 14 to 20 Sept. 2014 at Fergusson College.
- Worked as special invitee for board of studies in vocational course of Savitribai Phule Pune University for syllabus framing.
- Worked as member of National Advisory committee in two days National Conference on "Impact of ICT in Education", 23, 24 January 2015, organized by Poona College of Arts, Science and Commerce, Camp, Pune-411001.
- Worked as organizing secretary for International Conference on "Application of Advanced Technology for Enhancing Quality of Science Education" to be organized on 26, 27 Feb.2015.

Modern 2014 - 15 + 32

- Nominated as Member of Life Boards of Progressive Education Society, Shivajinagar, Pune-411005.
- Published text book for S.Y.B.Sc. Electronic • Science and S.Y.B.Sc. Computer Science.

Prof. B. B. Yenge

- Participated in T.Y.B.Sc. Syllabus revision workshop at New Arts Science and Commerce College Ahamednagar on 05 December 2014.
- Completed all India trek camp held at Dehradun Masuria in Sept. 2014
- Worked as a chairman T.Y.B.Sc Electronics science theory exam. October 2014.

Prof. D.B. Gaikwad

- Successfully completed 10 days workshop on Computer programming of IIT Mumbai, conducted at COEP Pune.
- Participated in "Professor summit & short term training programme on "Embedded MCUs ' held at MIT College, Pune during 30 March to 3 April 2015
- Participated in workshop "Revision of syllabus for T.Y.B.Sc. Electronics on 13/01/2015 at Garware College and on 29/12/2014 at ASC College, Hadpsar.
- Conducted 2 days training programme on Robotics using 8051 on 5 to 6 Jan. 2015.

Prof. T. B. Sonawane

 Participated in SPPU approved State level workshop on "Embedded system design using ARM cores" dated 1-3 December 2014 organised by Dept of E & T Engg. Pune institute of Computer Technology.

Prof. T.R.Kumbhar

 Successfully completed Orientation Programme for College/University Teachers, conducted by Academic Staff College, SPPU during 1/082014 to 28/08/2014.

Prof. A.V.Kamble

- Represented Maharashtra Directorate as a 'Contigent Commandos" at All India Nausainik Camp 2014 at Karwar Naval Base
- New responsibility as Arts Circle Chairman.
- Member of committee for designing a practical exam book for S.Y.B.Sc. Comp. Science by SPPU.

Prof P.S.Varade

- Received 'Ideal Teacher Award 'on 5th September 2014, From Dr. Maulana Abdul Kalam Azad Social welfare and sports trusts, Pune.
- Presented a research paper entitled 'Simulation of SAW dealy line sensor using Matlab' in National Conference on Emerging Trends in Physical Sciences, organized by N. B. Mehata (Valwada) Science College, Boardi, Dist-Palghar. Dates-23rd and 24th January 2015.

- Delivered a Talk on 'NSS and Personality Development' in NSS Special camp of Indira College. Date - 5th January 2015.
- Worked as a member of organizing committee in the National Conference on 'Dynamic Microbes: Role in Human Welfare', organized by Modern College of Arts, Science and commerce, Shivajinagar, Pune-5, on 20th and 21st Jan. 2015.
- Worked as a member of organizing committee in the International Conference on 'Application of Advanced Technology for Enhancing Quality of Science Education', organized by Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5, on 26th and 27th February 2015.
- Mr.P. S. Varade were nominated for State level 'Best NSS Programme Officer Award' for the academic year 2013-14, by SPPU.
- Organized one day workshop on value education for blind students under NSS.
- Organized district level pre SRD/NRD SELECTION CAMP for NSS.

Prof R.V.Vidap

- Worked as a coordinator in S.Y.B.Sc Comp. science exam. March 2015 SPPU.
- · Editorial member for SPEED newsletter.
- Attended conference and presented paper at the National conference held at Y.C.College, Satara.
- Attended conference and presented paper held at S.M. Mahavidyalaya, Akluj.
- Working as Vice chairman for newly formed. committee 'Value Based Education' and successfully coordinated 10 week certificate programme in self-development.
- Delivered a guest lecture 'The 8051 microcontroller and embedded system' Anantrao Pawar College, Pirangut.
- Participated in implementation of S.YB.Sc. syllabus held at Saint Mira College.

Prof G.M.Tarte

- Worked as a resource person for 2 days training programme on robot using 8051 on 5, 6 January 2015.
- On 28 February 2015 worked as coordinator for project cum poster competition.
- Successfully completed 10 days workshop on Computer programming of IIT Mumbai, conducted at COEP Pune.
- Prepared study course material for M.Sc.I and M.Sc. II for analog electronics and communication system.

Prof. Umesh Kothawade

 Attended a "Professor summit & short term training programme on "Embedded MCUs' held at MIT College, Pune during 30 March to 3 April 2015. Guest lecture conducted at T. C. College Baramati on 27 March 2014.

Prof. Kapil Hole

• Qualified SET and NET Examination in December 2014.

During this academic year Mrs. Vaishali A. Chaudhari was newly appointed, Teacher and Mr. Pavan V. Lambe was appointed as laboratory attendant at our department. Mr. Mangesh Dayaphule worked as visiting lecturer for Vocational course. Prof. A.G. Gosavi conducted lectures on 'Entrepreneurship' for T.Y.B.Sc. Vocational course. Dr. M.S. Zambre, Dr. P.K. Bhadane and Dr. Umesh Hiverkar is research guide at our research centre and conducts lectures for Post Graduate course. Recently two research students are pursuing research work for their Ph.D. Degree in Post Graduate Research Centre of Electronic Science.

> - S. R. Chaudhari Vice Principal and Head

Department of Mathematics

UG (Non grant wing), BSc. (Computer Science)

Activities:

- Dr. Mrs. Nivedita H. Mahajan
- a) Arranged a State level workshop of University teachers titled "Workshop in Scilab Programming". Coordinator of the workshop dated 30th Sept. 2014 at Modern College, Pune 5.
- b) Co-author of University text book for F.Y.BSc.(Comp.Sci.). Title: Discrete Mathematics
- c) Selected as Member, Board of Studies (Mathematics), St. Mira's College, Pune.
- d) Attended, "International conference on Algebraic Number Theory and Modular forms", conducted by Dept. of Mathematics, SPPU, dated 2-3 January 2015.
- e) Participated in "Intercollegiate one day workshop on Research Methodology and Research Project work " at T.J. College, Khadki Pune.
- f) Participated in "National Conference in Role of Mathematics in Science, Engineering and Technology" organized by New Arts, Science and Commerce College, Ahmednagar on 20-21 February 2015.
- g) Attended a meeting at IISER, Pune as a committee member for the discussion of the syllabus of the Blended BSc. Programme Australian University.

Prof. Mrs. Milan Rane

Participated and completed the ICT teacher training programme in Dec 2014-Jan -2015 in Modern College, Pune 5.

PG unit - PG Unit- M.Sc. Mathematics (non grant) course started during this academic year i.e. 2014-15. There was an overwhelming response of students. With the help of contributory teachers (Prof. Pratul V. Gadagkar, Prof. Pooja M. Paratane and Dr. N.H.Mahajan) and visiting faculty (Prof. Anjali Pendse, Mrs. Manjusha Joshi, Dr. Rahul Kitture, Prof.Mandar Datar), we started the course successfully.

Following activities were conducted for the benefit of students of M.Sc Part I:

- 1. A workshop entitled "How to be independent in study habits?" was arranged with the help of Psychology Department. Prof. Mrs. Shraddha Sakatkar guided the students.
- 2. Two eminent guest speakers- Prof. Bhambre and Dr. V. V. Acharya delivered lectures on 'Ring Theory'.
- 3. The students of M.Sc Part I attended a workshop on Group Theory arranged by Bhaskaracharya Pratisthan.
- Prof. Dipali Lodh from Department of English guided the students on " How to face a Seminar"
- 5. The former head of the department and an eminent professor Mrs. P. P. Chikate delivered a talk focused on "Independent Study Methods"
- Mr. A. K. Bhosale (Alumni of The College), Director L. K. Infotech guided the students for the job opportunities in IT field. He elaborated the structure of different units of the IT industry.
- 7. Dr. N. H. Mahajan worked as a coordinator for the P.G. Unit of Mathematics.

- S. R. Choudhari Vice-Principal and Incharge

Department of Microbiology

Departmental Activities

Department organized a National Conference on 'Dynamic Microbes: Role in Human Welfare' on 20th and 21st February 2015.

We received a grant of Rs. 2,00,000/- from Indian Council of Agricultural Research and a grant of Rs. 2,00,000/- from BCUD, Savitribai Phule Pune University, Ganeshkhind, Pune 7 for organizing this National Conference.

Achievements of the departmental staff Dr. Shilpa S. Mujumdar

- a. Worked as an Organizing Secretary of National Conference in Microbiology, on 'Dynamic Microbes: Role in Human welfare' organized by department of Microbiology, MCASC, Pune 5.
- b. Book chapter on " Industrial applications of biosurfactant" Shilpa Mujumdar, Shradha Bashetti, Sheetal Pardeshi and Rebecca S.

Thombre, under publication in a book series Biotechnology and bioinformatics advances and applications for bioenergy, bioremediation, and biopharmaceutical research, Apple academic press.

Mr. Vivek N. Bobade

- c. Worked as a Coordinator of National Conference in Microbiology, on 'Dynamic Microbes: Role in Human welfare' organized by department of Microbiology, MCASC, Pune 5.
- d. Worked as a member of organizing committee of International Conference entitled 'Application of Advanced Technology for Enhancing Quality of Science Education' held on 26th and 27th February 2015 at MCASC, Pune 5.
- e. Worked as a member of organizing committee of State level conference entitled 'Freshwater Ecosystems of Maharashtra: Their Biota, Ecology and Health' held on 6th and 7th February 2015.

Ms. Sheetal P. Pardeshi

- f. Worked as a member organizing committee of National Conference in Microbiology, on 'Dynamic Microbes: Role in Human welfare' organized by department of Microbiology, MCASC, Pune 5.
- g. Participated in Teacher's training program organized by ABEED, Pune.

Mrs. Shradha Bashetti

- h. Worked as a member organizing committee of National Conference in Microbiology, on 'Dynamic Microbes: Role in Human welfare' organized by department of Microbiology, MCASC, Pune 5.
- i. Worked as a member of organizing committee of International Conference entitled 'Application of Advanced Technology for Enhancing Quality of Science Education' held on 26th and 27th February 2015 at MCASC, Pune 5.
- j. Participated in Teacher's training program organized by ABEED, Pune.
- k. Book chapter on "Industrial applications of biosurfactant" Shilpa Mujumdar, Shradha Bashetti, Sheetal Pardeshi and Rebecca S. Thombre., under publication in a book series Biotechnology and bioinformatics advances and applications for bioenergy, bioremediation, and biopharmaceutical research, Apple academic press.

Mrs. Madhuri K. Kothawade

- Worked as a member organizing committee of National Conference in Microbiology, on 'Dynamic Microbes: Role in Human welfare' organized by department of Microbiology, MCASC, Pune 5.
- m. Participated in Teacher's training program organized by ABEED, Pune.

Ms. Kshitija V. Pawar

n. Worked as a member organizing committee of National Conference in Microbiology, on 'Dynamic Microbes: Role in Human welfare' organized by department of Microbiology, MCASC, Pune 5.

o. Participated in Teacher's training program organized by ABEED, Pune.

Achievements of Students

- Ms. Bhavana Nath cleared Joint UGC NET for lectureship in Life Sciences on 21st Dec. 2014.
- Ms. Tanushree Bhandari and Ms. Chaitrali Atre won first prize in Biochemistry section of Poster Presentation competition in National conference on 'Dynamic Microbes: Role in Human Welfare' on 20th & 21st Feb. 2015, MCASC, Pune 5.
- Ms. Tanushree Bhandari, Mr. Ambar Kachale and Ms. Hemlata Kadam from M. Sc. Microbiology received a 'Gunavant Vidyarthi' scholarship given by SPPU.
- 4. Ms. Tanushree Bhandari, Ms. Krishnashree Menon, Ms. Hemlata Kadam, Ms. Radhika Jadhav, Ms. Komal Kalamkar and Ms. Priyanka Shede received a scholarship from Lila Ponawala foundation.
- Ms. Adhishree Thigale performed folk dance in cultural program of National conference on 'Dynamic Microbes: Role in Human Welfare' on 20th and 21st Feb.2015 held at MCASC, Pune 5.
- Mr. Aditya Gawas and Amar Rodgi won first prize in taxonomy section of Poster Presentation competition in National conference on 'Dynamic Microbes: Role in Human Welfare' on 20th and 21st February 2015 held at MCASC, Pune 5.
- Ms. Apurva Mule and Pallavi Limaye won first prize in Taxonomy section of Poster Presentation competition in National conference on 'Dynamic Microbes: Role in Human Welfare' on 20th and 21st February 2015 held at MCASC, Pune 5.
- Ms. Komal Chavan and Ms. Pratima Shinde won Second prize in Molecular Biology section of Poster Presentation competition in National conference on 'Dynamic Microbes: Role in Human Welfare' on 20th & 21st Feb. 2015, MCASC, Pune 5.
- 9. Ms. Swati Thakare, Ms. Yogini Soman, Ms. Jyoti Mohite and Ms. Sayali Raokhande have won first prize in Molecular Biology section of Poster Presentation competition in National conference on 'Dynamic Microbes: Role in Human Welfare' on 20th and 21st February 2015 held at MCASC, Pune 5.
- Mr. Sumeet Pandit and Mr. Shubhankar Ambike won first prize in state level quiz contest (T. Y. B.Sc. Category) held at R.C. Patel College, Shirpur, Dhule.

- Dr. Shilpa S. Mujumdar Head

Department of Physics

All the teaching and non teaching staff members extended their whole hearted support and cooperation in smooth functioning of the department Student Strength:

• F.Y.B.Sc. - 233 • S.Y.B.Sc. - 132 • T.Y.B.Sc. - 37 Activities For Students:

- 1. Study tours : As a part of the curriculum, the department had arranged different study visits for F. Y., S. Y. and T. Y. B. Sc. classes.
- a) T. Y. B. Sc. and few S.Y.B.Sc. students visited GMRT, Khodad On 2nd Jan. 2015. Prof. S. R. Gogte, Dr. Sandeep Patil, and Dr. Vaishali Waman took efforts in organizing this activity.
 Study tour to GMRT, Khodad
- b) F. Y. B.Sc. and S. Y. B. Sc. students visited IT-Expo (exhibition arranged by CMDA, Pune) and MahaTech (an exhibition of Automation in Industrial products).
- c) Prof. S. S. Thengadi and Prof. Nileshkumar Pardeshi took efforts in organization and smooth functioning of these study visits.
- 2. Guest Lectures: Shri Mayuresh Prabhune (Science Editor, Times Group, Pune) delivered a lecture on "Mangalyan- Mission Mars" in December 2014 for the students of F.Y. and T.Y. B.Sc. He also delivered another lecture on "Observations of Meteor shower".

Mr. Ganesh Jangid, who is pursuing his M.Sc. from IIT - Madras, Chennai, delivered a lecture to the students of S.Y.B.Sc. The topic of his lecture was "Preparation for entrance examinations".

- 3. Poster competition: A poster competition and exhibition was conducted for the F. Y. B. Sc. class on 9th February 2015. The theme of the exhibition was "International Year of Light". The Poster exhibition was inaugurated by Prof. S.R. Chaudhari, Vice-Principal, Modern College, Pune -5. Prof. Nileshkumar Pardeshi co-ordinated the competition. Prof. P.S. Varade and Dr. Vaishali Waman evaluated the posters.
- Project competition: Students of T. Y. B. Sc. (Physics) carry out a project work as a part of their curriculum. Exhibition and Competition of these projects was arranged on 7th February. Dr. R. S. Zunjarrao, Principal inaugurated the exhibition.

Prof. S.R. Gogte and Prof. V. T. Shelke examined the projects.

5. Power point competition: The students of S.Y.B.Sc. prepared power point presentations on various topics of Physics and presented in the class. This competition gave the students an opportunity to learn presentation skills.

Dr. Vaishali Waman and Prof. Sanket Gogte judged the presentations.

The prizes of all these competitions were awarded by Prof. A.G. Gosavi, Ex-Principal, Modern College, Pune. He also guided the students about the career development. The event was coordinated by Dr. Sandeep Patil.

6. Achievements of Students :

Results of the Department: For the academic year 2013-14

Percentage (%)
95.8
83.7
76.92

1. A team of following students under the guidance of Dr. Sandeep Patil participated in the "Inter collegiate Physics Quiz" conducted by Indian Physics Association (IPA), Pune Chapter. The team secured a consolation prize.

i. Jithin P, ii. Rohini Salunkhe, iii. Shanuja Radhakrishnan

 Following students attended "Frontiers In Physics - VII", a National seminar on Astronomy and Astrophysics at Fergusson College, Pune on 28 and 29 Jauary 2015.

i. Jithin P, ii. Shrikar Sankpal, iii. Rajeshwari Raut

3. The following students of T.Y.B.Sc. attended a workshop on "Physics in Archeology" arranged by the Modern College, Ganeshkhind.

i. Surajkumar, ii. Prtibha Hole, iii. Ashwini Jadhav, iv. Suhasini Raut, v. Rohini Salunke, vi. Monika Kumari, vii. Priyanka Pawar.

Contribution by the teachers:

- 1. **Prof. S. S. Thengadi** actively participated in preparing the report for the NAAC. He also helped the college administration in preparation and follow up of proposals for various schemes/funding agencies.
- 2. **Prof. Nileshkumar Pardeshi** attended the Orientation Course in UGC-Academic Staff College, Savitribai Phule Pune University.
- 3. Dr. Sandeep Patil presented a research paper at International Vacuum Nanoelectronics Conference held at Engelberg, Switzerland. He has also published six research papers in international journals. Dr. Patil attended one day workshop at IISER to frame the syllabus of blended B.Sc. Program of Melbourne University in collaboration with SPPU.
- Dr. Vaishali Waman published two research papers in international journal and four in international conferences, published with ISBN numbers.
- Modern 2014 15 + 36

- 5. **Prof. Sanket Gogte** attended a refresher course in Applications of Quantum Mechanics to Atoms, Molecules and Radiation at Bangalore organized by Indian Academy of Sciences.
- Prof. A.V. Deshpande, Prof. S. S. Thengadi, Prof. V.T. Shelke, Prof. Nileshkumar Pardeshi, Prof. S.R. Gogte and Dr. S.S. Patil participated in the one-day workshop at B.G. College, Sangvi to revise the syllabus of T.Y.B.Sc. (Physics).
- BCUD PROPOSALS: Dr. S.S. Patil and Dr. V.S. Waman have been granted a research grant from BCUD, Savitribai Phule Pune University.
- Dr. S. S. Patil: Systematic synthesis, characterization & Field emission investigations of Novel Metal Oxide nanostructures/ heterostructures
- Dr. V. S. Waman: Development of CZTS based low cost thin film solar cells by electrochemical deposition method.
- 6. Publications:

Dr. Vaishali S. Waman published two research papers and Dr. Sandeep S. Patil published six research papers.

- Prof. A. V. Deshpande Head

Department of Statistics

 Academic Activities and Achievements of Students: A) Quiz: F.Y. B.Sc., F.Y. B.Sc. (Computer Science) and S. Y. B.Sc. Quiz Ist Round was organized on 28th January 2015.

Result of	the Quiz was as follows:	
Class	Name of the Toppers	Rank

F.Y. B.Sc.	1.Solanki Ruchira	First
		TA: 1

- 2. Phakatkar Bhagyashri First F.Y.B. Sc.(Comp. Science)
- 1. Saloni Jagatp
 First

 2. Sumit Kangane
 First

 S.Y. B.Sc.
 1.Bagal Aishwareya

2. Bhaip Siddhi 3.Pawar Nikita

Selected for the Final round.

Glorious Achievements of Past students:

i. Mr. Pravin Mane passed in SET examination in 2014. ii. Mr. Santosh Payas (Deputy Director, Census, Mumbai) got award for Best Census Work.

Internship and Training:

- 1. Miss Anuradha Bhandare completed her 2 months internship training at National Sample Survey Organization (NSSO), Akurdi, Pune.
- 2. Fourteen students of M.Sc. II attended a workshop on Clinical Trials at CYTEL Software company, Ltd. Pune on 14th December 2014.

Participation of Students:

- i. Ms. Yogini Hatwalne (M.Sc.) I) presented a poster in first and second round in Poster Presentation at "Avishkar" organized by SPPU.
- ii. Ms. Sayali Gadekar and Khatmode Sarika from T.Y. B.Sc. and Ms. Pawar Nikita, Ms. Manvalkar Sarita from S.Y. B.Sc. attended the Quiz Competition (Stats Storm), Dept. of Statistics, K.T.H.M. College, Nasik on 22nd Jan. 2015.
- iii. Miss Sayali Gadekar, Miss Ashwini Chavhan and Miss Priyanka Kulkarni participated in Project Presentation Competition at T.C. College Baramati on 1st March 2015.
- iv. Five groups participated in Poster Competition at International Conference at Modern College on 26th February 2015.

Group 1: Ms. Uzma Sayyed , Ms. Pradnya Belhekar, Ms. Apurva Vartak and Ms.Shadab Pathan Group 2: Mr. Nabhraj Pachorkar, Mr. Jamdade

Yogesh,Ms. Ahwini Chavan and Ms. Kothwade Komal

Group 3: Ms. Ketaki Pathare, Yogini Hatwalane Group 4: Ms. Pooja Kude and Ms. Zarin Khan Group 5: Mr. Sushant Pawar, Mr. Abidali Peerzade, Mr. Darpan Mutha and Mr. Dnyandev Nimbhore **2. Activities :**

- a) Statistics Day was celebrated on 29th June 2014. Dr. Parmeswaran delivered a lecture on 'Opportunities for Statisticians in Govt. Sector'.
- b) Dr. P.V. Sukhatme's Birth anniversary was celebrated on 26th July 2014. Mr.Santosh Payas gave lecture on Sukhatme's contribution to society.
- c) Statistics Fest : Department organized Statistical Fest for all statistics students on 16th December 2014. Case studies, statistical crossword, puzzle solving and Guest Lectures were the events of this fest.
- d) **Past students' Meet:** Department organized a get together for past students on 27th January 2015. About 70 students were present for the function. They expressed affinity for the department and college. They also shared their college life memories. Prof. P.S. Chirputkar and Dr. R.S. Zunjararo (Principal) appreciated the achievements of past students and guided them.
- e) S.Y. B.Sc. Quiz Final Round : Department organized S. Y. B. Sc. (Statistics) quiz final round on 26th February, 2015 on behalf of Pune University Statistics Association (PUSA). It was sponsored by Board of Student Welfare, Savitribai Phule Pune University. There were 49 students from various colleges of Pune University, 28 teacher participants including judges.

Dr. Prof. S. R. Deshmukh (HOD Statistics Dept., Pune University) was the Chief guest at the inaugural function. Dr. Walvekar S.P. briefed about the group discussion.

Principal, Dr. R. S. Zunjarrao was Chief guest at the valedictory function.

Following events were included in the final round: I) Essay writing - Topic 1. Statistics and society 2. Global competency of India

II) Group discussion - Topic 1. Helmet compulsion: A necessity? 2. Use and misuse of social media.
3.Career consciousness v/s health consciousness
4.Clean India movement 5.Elections at colleges for

UR. III) Presentation IV) Case Studies

V) Elocution - The book I liked

• Workshops: Workshop of T.Y. B.Com Syllabi revision was organized by the department on 17th March 2015. Dr. Nitin Ghorpade, Chairman of Board of Studies in Statistics and Computer applications inaugurated the workshop. Dr. Y. R. Waghmare (Vice -Principal) presided over the inaugural function. Prof. P.G. Dixit (Head, Statistics Department) guided the participants on making use of statistical software. Prof. P.S. Kapre took an overview of the present syllabi and lead the discussion. He prepared the detailed note on revised syllabi on the basis of valuable inputs and suggestions by the participants.

e) Biostatistics workshop under Skill Development Training was organized from 30th March to 7th April 2015. There were 10 participants. Prof.P.G. Dixit, Dr. M.M.Sane and Prof. R.M. Umarani worked as resource persons.

Guest Lectures Organized:

- 29/06/2014 Dr. V. Parmeswaran (Deputy Director General, NSSO), Opportunities for Statistics students in Government sector, on the occasion of Statistics Day.
- 2. 26/07/2014 Mr. Santosh Payas (Deputy Director, Census, Mumbai), Dr. Sukhatme's contribution to Statistics and job opportunities for Statistics students.
- 17/10/2014 Dr. Shirke D.T. : Non parametric control charts.
- 10/12/2014 Dr. Ketkar, Best career options for Statistics graduates.
- 5. 13/12/2014 Dr. Palanichami, A journey into the world of applied Statistics.
- 6. 16/12/2014 Mr.Tanmay Chandresa, Preparation of C.V. and Interview techniques, on the occasion of Statistics Fest.
- 16/12/2014 Prof. Kakade V.C., Guidance for project preparation, on the occasion of Statistics Fest.

 16/12/2014 - Dr. Akanksha Kashikar, Guidance for SET/NET and competitive examination preparation, on the occasion of Statistics Fest.

Campus Interviews - Campus interviews were conducted by Sciformix for M.Sc. II year students on 27th January 2015. and by Tech - knit for M.Sc. II year students on 7th April 2015.

Information of Staff :

Prof. P. G. Dixit

- i. Attended the workshop on syllabus revision of S.Y. B.Sc. at A.G. College on 11th July 2014.
- ii. Delivered a lecture at NSSO on 29th June 2014, on topic "Service sector ".
- iii. Attended Workshop on syllabus revision of T.Y. B.Sc. at S.P. College on 21st and 22nd Nov. 2014.
- iv. Attended Workshop on Clinical Trials at CYTEL Software company, Ltd.Pune on 14th Dec.2014.
- v. Attended meeting at K.J. Somayya College, Mumbai on 20th Dec. 2014 as member of Board of Studies.
- vi. Inaugurated Science exhibition on 30th December 2014 at Modern High school , Pune -05.
- vii. Delivered lecture in National Conference at Ahmednagar College, held on 12th January 2015.
- viii. Worked as a resource person for National workshop H.N.B. University, Shrinagar, Garwal.
- ix. Delivered lecture at UGC Sponsored National workshop at Science College, Nanded on 29th March 2015.

Prof. P. S. Kapre

- Attended the workshop on syllabus revision of S.Y. B.Sc. at A.G. College on 11th July 2014.
- ii. Attended workshop on syllabus revision of T.Y. B.Sc. at S.P. College on 21st and 22nd Nov. 2014.
- Worked as visiting faculty for M.Phil (Commerce) classes at BMCC, during the month of December 2014 to January 2015.
- iv. Worked as a judge for Group Discussion in S.Y. B.Sc. Quiz final round on 26th February 2015.
- v. Worked as a co-ordinator for T.Y. B.Com syllabi revision workshop on 17th March 2015.

Dr. M. M. Sane:

Attended Workshop on syllabus revision of T.Y. B.Sc. at S.P. College on 21st and 22nd Nov. 2014. Coordinator for Biostatistics workshop under Skill Development Training.

Prof. Rajashree M. Umarani

Attended the workshop on syllabus revision of S.Y. B.Sc. at A.G. College on 11th July 2014.

Prof. A.T. Kamble

- Attended the workshop on Recent Trends in Advanced Statistics at SPPU on 16th Feb.2015.
- F) Prof. Waldhe P.S., Prof. A.T. Kamble, Prof. Kanade M.A. attended the Teachers Training programme conducted by Modern College.

Achievements and Publications.

- Prof. P.G. Dixit has published 11 books in the academic year 2014-15.
- 2. Prof. P. S. Kapre has published 04 books in the academic year 2014-15.

Industry Academia program:

- 1. Department conducted training program on SAS software with the help of Data Science Lab Software Services, Pune. All M. Sc. II students participated. It has enhanced the employability of the students.
- Mr. Kotkar M.S. from CYTEL Software Services, Pune taught the course "Analysis of Clinical trials" to M. Sc. Students for four consecutive years.
- 3. Internship programme with National Sample Survey Organization (NSSO), Akurdi, Pune.

Miscellaneous

- i. Prof. P.S.Kapre was appointed as Nodal officer of Modern college for all India survey on higher education by M.H.R.D.Govt. of India. He submitted DCF II form of Modern College, Shivajinagar, Pune -05 for the years 2013-14 and 2014-15 on AISHE portal. He also worked as Chairman of Time Table committee and as member of examination and Students' Welfare committees.
- ii. Prof. P. G. Dixit worked as, Chairman of Gymkhana Committee and as member of Unfair means committee.
- iii. Dr. Manisha Sane worked as, coordinator for Annual Prize Distribution Committee (Academic), as Advisor, Science Association and as Chairperson of Result Analysis Committee.
- iv. Prof. Asmita Kamble worked as, member of Science Association.
- v. Prof. R. M. Umarani worked as Member of Time Table committee.
- vi. Prof. Dixit P. G., Prof. Kapre P. S. Prof. Umarani R. M., Prof.Kamble A.T., Ms. Deshpande Vaishali, Mr. Uttekar R.S. and Ms. Salunke Mangala worked for Lokasabha Elections 2014.

Prizes and Scholarships:

- A. V.R.Dhongade prize: Ms. Babar Mayuri
- B. V. R. Prayag prize: Ms. Korade Swati
- C. Late sau Indirabai Chirputkar prize: Ms. Khatmode Sarika
- D. Late Nirmala Potnis Prize: Ms. Farad Bhakti Scholarship: Cytel software sponsored scholarship of Rs. 1,70,000/- under Corporate Social Responsibility (CSR) scheme to 20 students.

- Prof. P. G. Dixit Head

Department of Zoology

Educational visits/ Excursion tours:

F.Y.J.C. (11th Science) had a one-day educational trip to Horticulture Training Centre, Talegaon. Teaching staff of Junior college Mrs. V. V. Chabukswar, Mrs. A.S. Deshkar, Mrs. R. S. Bhalerao and Dr. P. S. Kudnar, from Senior wing escorted the students. It was for the first time that such an educational trip was organized for the students of Biology.

An educational visit of the students of S.Y.B.Sc. 'B' was arranged to Central Bee Research and Training Institute, Pune. Prof. B.T.Kalbage took lead in organizing this visit. Three staff members accompanied the students.

An excursion tour of the T.Y.B.Sc.Zoology students was organised in February 2015, by Prof.B.T.Kalbage and Dr.Y.S.Shinde. It was an enriching experience for the students to observe and study sea coast animals at Malvan, Sindhudurg, Vengurla, Deobag and Amboli. The visit to National Institute of Oceanography (NIO)-Goa, proved to be very informative. Students were excited to observe live culture of sea horse and prawns.

Special Visits

The final year students visited the Department of Zoology and Department of Anthropology of Savitribai Phule Pune University. Dr. Yugandhar Shinde, Dr. P. S. Kudnar, Dr. R. R. Gaikwad and Prof. B. T. Kalbage accompanied the students.

T.Y.B.Sc. students visited National AIDS Research Institute (NARI), Pune, on World AIDS day, along with Dr. Yugandhar Shinde and Dr. R. R. Gaikwad.

Workshops/Seminars/Conferences

Prof. B.T.Kalþage and Dr. P. S. Kudnar along with eleven students attended the workshop on "Bee Keeping and its Role in Cottage Industries" at Sinhagad College, Pune, on 23rd and 24th January 2015.

Prof. B.T. Kalbage participated in the workshop on 'Framing of T.Y.B.Sc. syllabus, at S. P. College, Pune.

Dr. Yugandhar S. Shinde completed the Orientation Programme conducted by Academic Staff College, Savitribai Phule Pune University in December 2014. He also contributed in the Syllabus framing workshop of 'Blended B.Sc. Program' - an initiative of Savitribai Phule Pune University in collaboration with the University of Melbourne (UOM) and IISER Pune. All members of the staff actively worked in various committees of the International Conference on "Application of Advanced Technology for Enhancing Quality of Science Education" held on 26th and 27th February 2015 at our college. Staff from our department also worked in various committees of the National Conference on "Dynamic Microbes: Role in Human Welfare" held on 20th and 21st February 2015 and National Conference on "Impact of e-Publications on Higher Education and Librarianship" held on 17th & 18th March 2015.

Our Laboratory Assistant Mr.Umesh Gore participated in a State level Seminar on 'Role of Librarians in Modern Era', at Sangamner, in December 2014.

He attended three National Conferences:

- 'Cloud Computing' at Jaisingpur, Kolhapur in September 2014.

- 'Qualitative Information Services in Academic Library' at Kolhapur in November, 2014.

- 'Challenges in 21st Century Librarianship' at Shirur, in January 2015.

He participated and also was an active member of the Organizing Committe of the National Conference on 'Impact of e-Publication on Higher Education and Librarianship' at Pune, hosted by our college, in March 2015.

Organization of State level Seminar

Department of Zoology of our college took lead in organizing a Seminar on 6th and 7th February 2015. This State level Seminar was funded by Board of College and University Development (BCUD), Savitribai Phule Pune University, Pune and by P.E.Society's Modern College of Arts, Science and Commerce, Shivajinagar. It was the first time that the Department of Zoology organized a State level Seminar.

The theme was "Freshwater Ecosystems of Maharashtra: Their Biota, Ecology and Health". Dr.Rajendra Singh, Waterman of India (JalPurush), inaugurated the Seminar.

Eminent resource persons contributed as per their expertise and experience on various aspects related to the theme.

Dr.R.M.Sharma, Ex- Director, ZSI, Akurdi was the Chief Guest for the Valedictory function.

Each and every staff member of the department took responsibility of at least one session each, in addition to the overall organizational work. The nonteaching staff and the T.Y.B.Sc. Zoology students worked incessantly and whole -heartedly for this Seminar. There was an overwhelming registration of undergraduate students of our college.

Activities under DBT Star College Scheme, New Delhi

Lecture Series

- Prof. Piyush Pahade and Prof Gorakhe from H. V. Desai College, conducted a workshop on "Scientific Sketching and Labeling Skills in Zoology".
- Mr.Aditya Takale "Pet care- Hobby & Profession"
- Mr. Rohit Nagalgaon shared his experiences on "Mahseer Breeding and Conservation"
- Mr. Kiran Purandare spoke on "Ecology and restoration of natural water-holes and creation of eco-friendly water-holes"
- Dr.Sanjay Gaikwad presentation on "Animal human conflict: Leopard- rescue and precautions"
- Dr. Abhijeet Safai taught "Clinical Endocrinology" to T.Y.B.Sc. students.
- Mr.Shashank Nambiar guided on "Setting Goals and Career Opportunities in Research Abroad"
- Vasundhara Film Festival on environment-Kirloskar group and Lokayat.
- Mr.Rajan Thakkur NCBS, Bangluru spoke on "Research Opportunities in Life Sciences"
- Ms.Ushma Shukla spoke on "A Day in The Life of Naturalist"

ZooVision - A unique exhibition

This exhibition cum competition was organized on January 2015. Posters, static models and working models were enthusiastically prepared and displayed by the students. Topics had a wide spectrum covering Animal diversity, Animal Conservation, Anatomý, Physiology, Evolution, Virology, Apiculture, Insect Pests, Ornithology, Developmental Biology and several other areas of Life-Sciences

More than 150 students in 32 groups worked under the guidance of Mrs. V.V.Chabukswar, Mrs. A.S. Deshkar, Mrs. R. S.Bhalerao, Ms. Netra Kulkarni, Dr. A. A. Babrekar, Dr. R. R. Gaikwad, Dr. Y. S. Shinde, Dr. P. S. Kudnar, Prof. B. T. Kalbage, and Mr. N. M. Naidu for this unique exhibition 'ZOOVISION'.

Principal Dr.R.S.Zunjarrao inaugurated the exhibition. Vice-Principal Prof.S.R.Chaudhari, staff members from other departments and many students visited the exhibition. School children from P.E.Society's Modern High School (English medium, Marathi medium and the Girls School) also came in large numbers. The young minds listened intently to the explanations given by our student volunteers.

Dr.Mrs.Sushama Thatte and Prof.Mrs.Charu Butala, both retired staff members of our department were the Judges for this ZooVision Competition. The winners were as follows:

Category A

First Place - Priti Tambe, Pratik Shinde, Ashitosh Shirsat, Shweta Gargote and Sonali Pharate: Bombay Blood Group

Second Place - Sonali Naidu, Aboli Belhekar and Shweta Rahane: Ebola virus & Transmission

Third Place - Deveshri Sonar, Prachita Pillay, Arshiya Naddaf and Shubham Shendge: Evolution of Elephants

Category B

First Place - Rushikesh Mulik, Sachin Tanpure, Anant Shelke and Kartik Mishra: Chick Embryo Development-Live mounting

Second Place - Nikhil Joshi, Swapnil Boyane, Subodh Gaikwad and Pratik Pansare: Spectacular Spiders

Third Place - Trusha Gosavi, Gaikwad Neha, Pansare Pratik and Amit Tekam: *Drosophila* Culture Appreciation - Gayatri Khare, Reeshma Nair, Shubhangi Gavari, Shweta Pawar: HIV Replication Appreciation - Rashmi Bhosale, Salonee Martins, Vaishnavi Uchagaonkar and Aarti Bhope: Nerve Impulse Induction

Category: C

Appreciation - Pinak Joshi, Rituparna Bose, Sudhanshu Raj, Anushri Bhattacharya,'Omkar Shirke and V. Preethi: Birds of Pune

Appreciation - Deepti Sharma: Fire & Fire Extinguisher

Prof. B. T. Kalbage worked as Coordinator for ZooVision. Our laboratory assistant Mr.Umesh Gore; Laboratory attendants Mr.Gopal Daundkar, Mr.Laxman Adagale, Mr.Atul Kanhere and Mr. Rushikesh Kondhalkar, Mr. Yogesh Jare for this event worked hard.

ZooQuiz Contest - ZooQuiz based on undergraduate Zoology syllabus was conducted in December 2014. Classwise Written quiz was held for elimination and then the Team event was conducted on 19th December 2014.

Five teams consisting of four members each entered the Final Round. These were:

- Team-Darwin
- 1. Pooja Sawant
- 3. Priyanka Udhane
- Team-Linneaus
- 1. Omkar Doiphode
- 3. Vaishnavi Wagh
- Team-Wallace
- Rutuja Kupate
 Pratiksha Pharande
- Team-Mendel
- 1. Rituja Chaudhar
- 3. Sweety Shinde
- 2. Sudhanshu Raj

2. Rashmi Bhosale

2. Prachita V. Pillay

4. Neeraja P. Dhole

4. Sonali Naidu

4. Asha Kumari

2. Anushri Bhattacharya

4. Belhekar Aboli

Sports - Senior College National and All India University Level Players



Dnyaneshwari Gandekar F.Y.B Sc. Netball, Handball



Deepika Jambukar T.Y.Bcom Cycling



Supriya Borchate S.Y.B.A. Riffle Shooting



Tejal Sonanwne F.Y.B.A. Wrestling



Vishal Nale F.Y.B.A. Handball, Ball Badminton



Pooja Shitole F.Y.B.Sc. Handball, Netball, Football



Shamrao Daundkar Athletics



Vaishnavi Joshi • F.Y.B.Com. Judo



Sahil Bagvan M.Com.-l Baseball, Softball, Cricket, Kho-kho



Ranjit Deokar M.Com. I Baseball, Kabbadi, Softball



Mayur Patil F.Y.B.A. Hockey



Akash Zambare M.A.-I Handball, Ball Badminton, Cross country



Swapnil Jarande S.Y.B.Com. Baseball, Softball, Netball



Sayali Lonkar F.Y.B.Sc. Cricket



Vaibhav Balwadkar T.Y.B.B.A. Baseball, Softball



Neha Lonari F.Y.B.Sc. Netball



Tejashri Kadam S.Y.B.Com. Cricket, Athletics



Karishma Mankar T.Y.BCA. Boxing



Siddhi Bhaip S.Y.B.Sc. Shooting



Sangram Pokale F.Y.B.A. Hockey

M.A.-II, Handball, Ball B Cross cou

Sports - Senior and Junior College State and National Level Players



Sayali Jagtap F.Y.B.Com. Kho-Kho, Athletics



Shraddha Jadhav F.Y.B.Com. Kho-Kho, Athletics



Suraj Anpat - Std. XII Gold Medal - Zonal & State Silver Medal - National Archery



Suprabha Pujari - Std. XII Gold Medal - Zonal & State Selection for National Lawn Tennis

Yusuf Khan - Std. XII

Selection for National



Shubham Yande- Std. XI Selection for National Netball



Rutuja Mehendale Selected National **Rifle Shooting**



Minakshi Shirde - Std. XII Participation Inter-State Fencing



Aniket Mane, Std. XII Inter State -3rd Place Netball



Pooja Phadke - Std. XII Selection for National Netball



Gold Medal - Zonal & State National - 2nd place



Samartha Hawre - Std. XI Gold Medal-Zonal & State Selection National



Suraj Vidhate Participation - State Boxing







Gaurav Dhore - Std. XII Inter State -3rd Place Netball

Aniket Taru Std. XII Inter State -3rd Place

Netball





Yash Mehendale

Selection for National

Waterpolo

Aboli Balwadkar - Std. XII Participation - Inter-State Fencing



Aditya Jadhay - Std. XII Participation - Inter-State Fencing

Tanaya Gokhale - Std. XII

National - 2nd place

Rope Mallakhamb



Sports - Junior and Senior College **State and National Level Players**



Inter State -3rd Place Netball

Praddyum Palande, Std. XI Prathamesh Chondhe, Std. XI Inter State-3rd Place Netball



Akash Salunke - Std. XII Inter State-3rd Place Netball



Siddhesh Uttarkar-Std. XI Inter State-3rd Place Netball



Manoj Khamkar - Std. XII Inter State-3rd Place Netball



Brijesh Palande - Std. XI Inter State-3rd Place Netball



Hrishikesh Thite - Std. XI Participation - State Softball



Prashant Shinde - Std. XI Participation - State Softball



Omkar Pardeshi - Std. XI Participation - State Softball



Swapnil Jaunjale - Std. XI Participation - State Softball



Shivtej Nandedkar - Std. XI Participation - State Softball



Hrishikesh Shahane - Std. XI Participation - State Softball



Prajakta Shinde - Std. XII Participation - State Volleyball



Abeda Inamdar College Womens Rolling Trophy Winner Team



Inter-collegiate Cricket : Winner Team -Women







Inter-collegiate Netball : Winner Team -Men

Inter-collegiate Netball : Winner Team -Women





Inter-collegiate Volleyball : · Winner Team -Men







Inter-collegiate Kho-kho Runner up Team -Women

Inter-collegiate Handball Third place -Women





Interschool Winner and Inter-zonal participation Volleyball Team







Inter-collegiate Cross-country Runner up Team -Men

Inter-collegiate Handball Runner up Team -Men





P.E.Society's Late Shankarrao Kanitkar Sports Festival Staff - Women Dodgeball and Throwball Winner Team







Inter-collegiate Hockey Third place -Women

Inter-collegiate Volleyball Third place -Women





हिंदी विभाग-शुद्धलेखन कार्यशाळा-मार्गदर्शक डॉ. नीला बोर्वणकर



Vice- Principal, Dr. Nayana Kulkarni, welcomes the Hon. Speaker Renate Hoffmann, Heidelberg, Germany



नवलेखक कार्यशाळा - मा. विनोद शिरसाट यांचे स्वागत



हिंदी विभाग - 'शब्दानुवेध' उद्घाटन हस्ते डॉ. ओमप्रकाश शर्मा



Artist Johannes Hoffmann, Cologne, Germany interacting with students at the workshop 2



Past student Himanshu Sankhye attempts Limca and Guinness Record for 'Sarvangasan' posture



'Modern Shree' Winner - Wasim Pathan



'Progressive Shree' Winner - Ashish Mane BRG College, Sangvi

Team-Spemann

1. Amolika Dangat

3. Pranjal Shinde 4. The results were as follows:

Winner Team - Spemann Runners up Team - Darwin Third Position - Linneaus

Gautum Date (F.Y.B.Sc. 'B') was the Quiz Master. Dr.P.S.Kudnar was the Coordinator, assisted by Mrs.V.V.Chabukswar, Mrs.Renu Bhalerao, Mrs.Ashwini Deshkar and Mrs.Netra Kulkarni under the guidance of Mr. Narendra Naidu.

2. Rituparna Bose

4. Aniket Phadtare

Special Workshop on Microscopy - Intensive two-day workshops on Microscopy were organized for two batches by our department in collaboration with the Department of Zoology, Savitribai Phule Pune University. First batch was on 4th and 5th October 2014 and the second was on 22nd and 23rd Feb 2015. F.Y.B.Sc. 'B' and S.Y. B.Sc. 'B'students were the beneficiaries.

Dr.B.B.Nath, Professor and Head of the Department of Zoology, SPPU conducted this workshop very enthusiastically. He simplified technical details of all sorts of 'Microscopy'. The curiosity of the participants was kindled with every session and they enjoyed the hands-on-training. Dr.Rahul Gaikwad and Ms.Pallavi Gaikwad from Dr.Nath's research laboratory conducted few practical sessions during the workshop.

Principal Dr.R.S.Zunjarrao and Vice-Principal S.R.Chaudhari had an interaction with resource persons and the participants, on the first day, during the sessions hosted at our college.

Lecture and Practical sessions of the second day were conducted at the Department of Zoology, Savitribai Phule Pune University.

Dr. P. S. Kudnar worked as the Coordinator, under the guidance of Narendra M.Naidu. The non-teaching staff members were supportive.

Memory training workshop: Our department also organized a workshop for Mind Power Technique training on 5th Jan 2015. Mr.Sandeep Gaikwad -a MITCON Certified Trainer successfully conducted a training programme for the students of T.Y. B.Sc. Botany and T.Y.B.Sc. Zoology. The feedback of those students was good.

Projects for Students : Four students had Handson-training in a renowned Pathology laboratory in Pune upon the initiative of Dr. Ananda Babrekar.

Six students have learnt *Drosophila* Culturing and maintenance under the guidance of Dr.Rahul Gaikwad.

Two students have undertaken Survey and Taxonomy work on Spiders in certain areas of Pune

and Satara. Dr.Yugandhar Shinde has facilitated this project and the students are working under the guidance of Spider Expert Mr.Siddharth Kulkarni of Satara.

Achievements

Students: Neeraja Dhole and Varada Kulkarni of T.Y.B.Sc. class of our department won First prize in the Poster presentation competition conducted by Modern College, Ganeshkhind. Madhura Bahirat won the Second prize and Amit Tekam won the Third prize in Photography contest.

Shrutika Bhalerao and Rohit Yaligar had also participated in this contest.

The T.Y.B.Sc. Zoology team won the First prize at Quiz contest conducted by Department of Biotechnology, Modern College, Shivajinagar. Members of the Winner team were Aniket Phadtare, Neeraja Dhole and Varada Kulkarni.

Shrutika Bhalerao won the Second prize in the Inter-collegiate Photography Competition organized by Modern College, Shivajinagar. The winning entry was selected for printing on the cover page of the Annual College Magazine of this year.

Pallavi Deokar of T.Y.B.Sc. Zoology was the Captain of the Winner Kabaddi team in an Invitation Tournament.

Aniket Phadatare and Punam Lonkar of T.Y.B.Sc. Zoology cleared JAM exam.

Pratik Pansare (T.Y.B.Sc. Zoology) and Nikhil Joshi (S.Y.B.Sc.'B') were selected for participating in a National training workshop on 'Spectacular Spiders' at Gujarat. Later, they have undertaken Survey work, under the guidance of Mr. Siddhartha Kulkarni, on spiders in the SPPU Campus, P.E.Society's Campus and also few areas of Satara. **Non-Teaching Staff:**

Our laboratory assistant Mr. Umesh D.Gore qualified the Maharashtra State Eligibility Test -SET for Lectureship ,SPPU, in October 2014.

Mr.Umesh Gore was awarded the 'Shaikshanik Puraskar' by the Senior Citizens Forum of Shivajinagar Gaothan,Pune-5.

Current activities of the Post-Graduate Research Centre (PGRC):

Mr.Vishnu K. Deshmukh and Mrs. Sanjivani Patil have registered for Ph.D. at the PGRC, Zoology in this academic year.

Dr. H. V. Ghate and his research students published more than twelve papers this year.

Integrated Vermitechnology Training Course: Department of Zoology and Institute of Natural Organic Agriculture (INORA) conducted this Skill Development Training Certificate Course. The training course started in August 2014. Mr.Vinayak Kelkar, Chief Programme Officer of PRAJ Foundation, Ms.Manjushree Tadvalkar, Managing Trustee of INORA and other members of INORA Know-How Foundation contributed to this course. Teaching staff of Junior and Senior wing conducted a few sessions .Non-teaching staff members of the department actively helped in this activity.

The course included Field Visit to INORA Bavdhan, Vermicompost units in large residential complexes, Biogas Plant at Bavdhan and another new Biogas Plant at Kolwan, Taluka Mulshi. The most important site was the research station of INORA at Daravali. This was a "One-Stop Experiment Station" of small scale to large scale practices in Vermicomposting and Organic farming.

Mr.Narendra Naidu was the Coordinator of this course assisted by Prof.B.T.Kalbage.

Students working in the Earn and Learn Scheme helped monitoring the Vermicompost Unit of our college,under the guidance of Mr.Narendra Naidu. **Co-curricular :**

Mr. Narendra Naidu was a Resource person in the 'Ornithology' course by conducted ILA Foundation and Abasaheb Garware College, Pune.

He spoke on 'Baba Amte and Anandwan' on Independence Day in the NSS programme at college and also at Phulgaon in the NSS Junior College Camp in December 2104.

Mr.Umesh Gore was invited by BAMU Career Guidance Centre, Kothrud to guide the students about Library Science-NET-SET examinations.

Alumni activities

Formal and informal interaction sessions of the past students were organized for the benefit of the present students of final year. Mr.Aditya Takale, Mr.Rohit Nagalgaon, Mr.Rajan Thakur, Mr.Shashank Nambiar and Ms.Ushma Shukla shared their experiences.

Manali Dani scored the highest Principal Total and Pallavi Dorge scored the highest Grand total in the T.Y.BSc. Zoology batch, of the year 2013-14.

> - Narendra M. Naidu Head

Department of Commerce

Academic Results:

The result of B. Com. Examination held in April, 2014 was 66%.

The result of M. Com (2008 Pattern) Examination held in May 2014 was 67%.

During the year 2013, Credit System was introduced for the first time for M.Com. course by Savitribai Phule Pune University (SPPU), Pune. The results for M.Com Semester I and Semester II Examinations under Credit System were 96%. **Professional Examinations:**

Students of this faculty, along with the University Curriculum, pursue professional courses like C.A., I.C.W.A., & CS.

38 Students from F.Y. and S. Y. B. Com. class passed CPT Examination and 9 students passed the IPCC Examination of the Institute of Chartered Accountants of India. 4 past students have passed the Final examination of the Institute of Chartered Accountants of India.

Vyapar Mela: The Department had organised an exhibition cum sale 'Vyapar Mela 2015', on 20th and 21st January, 2015 with the objective of developing entrepreneurial skill, marketing and salesmanship skills and management skill amongst the students. In this exhibition of the students, for the students and by the students, there were 75 stalls displaying variety of articles. Around 350 students of all the faculties participated in this activity. The exhibition was inaugurated at the hands of Hon. Shri Krishnakumar Goyal (Chairman of Cosmos Cooperative Bank Ltd.). The coordinators of the exhibition were Dr. Vijay Gaikwad, Prof. Sandhya Vartak (Department of Economics) and Prof. Shraddha Hirwe. Hon. Principal Dr. R. S. Zunjarrao, Shri. S. S. Deshmukh (Secretary, PES Society),

Dr. Y.R. Waghamre (Vice Principal and Head of Department of Commerce) inspired and guided the organising committee, to make the event a grand success.

Monograph on Goods and Service Tax (G.S.T.) : A group of members of the Department has published a Monograph on Goods and Service Tax (GST), a proposed indirect tax reform. in India. The efforts and support of our departmental colleagues is acknowledged with gratitude. Also the contribution of Mayer Consultants Pvt. Ltd., PUNE is profoundly acknowledged.

Exhibition on Entrepreneurs: An Exhibition on Entrepreneurs was organised under the guidance of Prof. Shraddha Hirwe on 18th Dec., 2014. The objective of the exhibition was to enable students to understand the leadership qualities among Entrepreneurs and get inspiration from their contribution. 50 students from S.Y.B.Com participated and presented posters of Eleven Entrepreneurs.

Placements - During the year, Campus Interviews were conducted by Infosys, Deutsche Bank and Thane Janata Sahakari Bank. Placements of the students is awaited.
Field Visits 2014-15

- 1 Prof. S. R. Hirwe and Dr. S.K.Rahane -T.Y.B.Com.C - Chintamani Silk Mills Pvt.Ltd. (Cotton Textile Mill) at Theur.
- 2 Prof. S. R. Hirwe and Dr. S.K.Rahane M. Com Part I - Sling Flexi Cartons Pvt.Ltd., Kanhe Phata, Pune

Research Centre in Commerce

Total Number of Guides - 5

During the year, three scholars (Dr. D.S. Borkar, Dr. Suneel Kelkar and Dr. P.S. Mohite) from the Research Centre were awarded the degree of Ph. D. Three scholars, (Mr. Anil Jagtap, Ms. Veena Kale and Ms. Savita Thorat) have submitted their thesis. There were six fresh enrolments and five more scholars are in the process of enrolment at this Centre.

Achievements / Contributions of Staff Dr. Yeshwant R. Waghmare

i) Resource person at following programmes-1 National Seminar on BRICS - Appasaheb Jedhe

- College, PUNE 411002 17th Jan., 2015
 2 Refresher Course in Commerce DCRC, SPPU, PUNE 411007 - Oct., 2014
- 3 Ph. D. Course Work in Commerce- DCRC, SPPU, PUNE 411007 - April, 2015
- 4 Seminar on Restructuring of T.Y.B.Com. Syllabus - Garware College of Commerce PUNE 411004, Aug., 2014.
- 5 Workshop on New Topics introduced at S.Y.B.Com. Brihan Maharashtra College of Commerce, PUNE 411004 Aug., 2014
 ii) Delivered Lectures on 'Preparation for SET Examination' at Shahu Mandir Mahavidyalaya,

Pune 411009. iii) Authored a Book on "Corporate Accounting" for S.Y.B.Com. (New- 2013 course), published by Atharva Prakashan, PUNE, July, 2014.

iv) Membership of Committees of SPPU

a) Syllabus Restructuring Committee for T.Y.B.Com. - Board of Accounting and Taxation. b) Syllabus Restructuring Committee for T.Y.B.Com. - Board of Cost and Works Accounting. c) Distance Education Committee for Commerce Faculty.

v) Wrote Study Material for F.Y.B.Com. (Distance Education)

Dr. Sanjeevani. K. Rahane

) Worked as a member of the Review committee for research papers at the conference organized by Modern Institute of Business Management (under the Quality improvement programme of SPPU) on the theme "New Approaches to Business Excellence". The approved papers were published in a Research Journal 'Paridnya'.

- ii) Underwent training organized by Health Centre, SPPU, under Students' Health Service Scheme. Conducted five Vidhyarthini Arogya Prabodhan workshops on the topics 'Balancing Study or Career and Personal Responsibilities and Stress Management with respect to Exam and/or Campus stay' for girl students.
- iii) Conducted a workshop at Kaveri College under 'Adult, Continuing Education and Extension Programme' of SPPU, on the subject 'Smooth Transition From Childhood to Adulthood'
- iv) Participated in a programme 'Kavi ani kavita' on Vidyavani.
- v) Conducted a workshop on 'Graphology application in counseling' under Skill development programme of the college. The workshop was a joint venture of Psychology Department and Commerce Department.

Dr. Ashok V. Kamble

- i) Re-appointed as a member of Audit Committee constituted by the Honourable Vice-Chancellor, Savitribai Phule Pune University.
- ii) Appointed as Member Board Of Studies in the subject 'Secretarial Practice' of Maharashtra State Board of Secondary and Higher Secondary Education Pune.
- iii) Invited as a Chief guest on the occasion of 'Abasaheb Garware Birth Anniversary' to deliver the speech on Late Abasaheb Garware by Garware college of Commerce.
- iv) Invited as a Guest speaker by 'New Arts, Commerce and Science College, Ahmadnagar' on the subject "Foreign Direct Investment" on 18th March, 2014.
- v) Invited as a guest speaker on the topic ' Role of Research in Commerce Education ' in the State level seminar organised by Pratibha College of Commerce & Computer Studies Pune.
- vi) Invited as a guest speaker in one day workshop on "Restructuring of Marketing Management Syllabus of TY BCOM" organised by 'Arts, commerce and science college, Sonai' on 14th January 2015.
- vii) Recognised guide of Savitribai Phule Pune University in the subjects ' Business Administration & Marketing'.
- viii) Participation in one day workshop on "Restructuring of Marketing Management Syllabus of SY BCOM and M.COM. Part II" organised by 'Lonavala college' on 1st April 2014.
- ix) Participation in National Level Conference and Maharashtra Commerce Conference organised by Department of Commerce, SPPU and BJS's Arts, Science & Commerce College, Pune.

Prof. Swati J. Ahiwale

A) Workshops and seminar attended :

- Participated in two days Workshop on "Computerised Accounting" Organised by B.M.C. College, Pune 26th and 27th Semtember, 2014.
- Participated in one day faculty Development Programme on "Research Work: New Horizons" organised by Garware college, Pune, on 7th February, 2015.
- Participated in one day Workshop on "Reconstructing of Syllabus in Accountancy " organised by Garware College, Pune on 24h December, 2014.

Dr. R. W. Kulkarni

- Guest lecture at Garware College of Commerce : Topic: PERT/CPM for PG Student.
- 2. M.Com. Syllabi Restructuring Workshop in Advanced Cost Accounting - Sangamner College
- 3. Guest lecture at Pratibha Institute of Management on Research in Commerce Education for B. Com BBA & PG Students.
- 4. Guest lecture at T. C. College, Baramati on the topic 'Recent Trends in Cost Accounting & Cost Audit' for B. Com students

Dr. Vijay N. Gaikwad

- Delivered lecture on 'Stress Management' at Tikaram Jagannath College, Khadki, Pune.
- Delivered lecture on "Communication Skills" at C.K. Goyal College, Dapodi, Pune.
- B.Com Syllabi Restructuring Workshop in Advanced Cost Accounting - Sangamner College.

CA Rasika P. Date

- Received sanction from BCUD, SPPU, Pune, for conducting Minor Research Project on topic 'Gender Audit of Educational Institutions - A Case Study of Select Deemed Universities.' Amount Sanctioned Rs. 90,000/-
- Worked as Avishkar Coordinator. Guided two projects of M. Com. Students for participation in Zonal Level Avishkar 2014. Both of these projects were selected for participation in University Level Avishkar.
- iii) Delivered Lectures at the Soft Skill Development programme for M. Com Students - 'Direct Tax Advisor' at Modern College of Arts, Science and Commerce, Ganeshkhind, Pune.
- iv) Registered for Ph. D. in the Subject of Business Administration at PGRC in Commerce, Modern College, Pune 411005.
- v) Was a team member of a Monograph on Goods and Services Tax (GST) - a publication of Department of Commerce.

Prof. Ravindra Y. Deshpande

- Invited to deliver talks/lectures on Patents, Copyrights, IPR, Cyber Law, Technology Contracts at/by ILS Law College, Technology Law 'Forum, CDAC Banglore, Mumbai, Delhi, CMET.
- 2. Nominated for training programme at European Patent Office at Munich, Germany.
- 3. Nominated to International Conference on IPR organised by DeitY, Govt of India and European Patent Office at Munich, Germany. Continued to render few IP services to SMEs, academia, scientists as Chief Investigator of the project entitled - 'Centre for Excellence in IP' funded by Govt of India fora total outlay of Rs 3 Cores.

The service has more than 1200 registered users.

Prof. Rupesh D. Bansode

- A) Workshops and seminar attended :
- 1. Participated in two days Workshop on "Computerised Accounting" Organised by B.M.C. College,Pune 26th and 27th Semtember,2014.
- 2. Participated in one day faculty Development Programme on "Research Work: New Horizons" organised by Garware college, Pune, on 7th February, 2015.
- Participated in one day Workshop on "Reconstructing of Syllabus in Accountancy" organised by Garware College, Pune on 24h December, 2014.

B) Refresher Course :

Completed Refresher Course in Goa University(From 11th March,2015 to 31st March,2015.

Prof. Shraddha R. Hirwe

- Registered for Ph. D. in the Subject of Banking and Finance at PGRC in Commerce, Modern College, Pune 411005.
- Was a team member of a Monograph on Goods and Services Tax (GST) - a publication of Department of Commerce.
- iii) Organised an Exhibition on "Entrepreneurs" with students of S.Y.B.Com.
- iv) Self-composed Poems were recorded at EMRC, SPPU, Pune.
- v) Organised Vyapar Mela.
- Prof. Moreshwar Y. Meeshi
- 1) Participated in "Teachers Training Program" organized by Modern college of Arts, Science & Commerce Shivajinagar and ABEED, Pune.
- 2) Participated in "Workshop on Computerized Accounting" organized by B.M. C.C. Pune and BCUD,SPPU, Pune
- 3) Participated in "One day Workshop on Restructuring Syllabus for Advanced

Accountancy of T.Y.B.Com". Organized by Garware College of Commerce, Karve Road Pune.

- Conducted two Batches of "Computerized Accounting Course" (Tally ERP9) 45 Students participated.
- 5) Organized Industrial Tour to College of Agricultural Banking, Shivajinagar, Pune. Participated 51 Students.
- 6) Organized Industrial Tour to Maratha Chamber of Commerce, ICC Centre, Pune Participated 118 Students.

Prof. Rahul D. Jadhav

- Participated in Two days Workshop on "Computerised Financial Accounting" Organised by B.M.C.C. Pune & BOS-Accountancy. SPPU, Pune. On 26th & 27th September, 2014.
- Participated in "Faculty Development Programme on Research Work: New Horizons" organised by Garware College of Commerce, Pune, on 7th October, 2014.
- iii) Participated in "Teachers Training Program" organised by Modern College of Arts, Science and Commerce, Pune in association with ABEED,Pune From 5th December,2014 to 17th January, 2015.

The Department acknowledges the contribution of Visiting Faculty Members - Prof. Prajakta Sabne and Prof. Kruttika Wagh

> - Dr. Y. R. Waghmare Vice-Principal and Head

Wing of Computer and Business Studies

Department of Commerce (Non Grant Section) Students of S.Y.B.Com. initiated the activities of this year with inauguration of Commerce Association. A series of activities were conducted by the department: 12nd July, 2014 - Celebration of Guru Pournima.

14th July, 2014 - Group Discussion on Revamping Education System.

18th July, 2014 - Guest Lecture on Environmental Awareness by Prof. P. B. Salunke.

22nd July, 2014 - Guest lecture on Personality Development by Prof. Pushkar Aurangabadkar.

25th July, 2014 - Commerce Quiz Competition. 26th July, 2014 - Induction and Fresher's Party by

Prof. M.D.Waghmare.

8th August, 2014 - Visit to Aundh Military Station For Rakshabandhan.

14th August, 2014 - Traditional day Celebration 18th Aug, 2014 - Visit for Dahihandi

19th Aug to 23rd Aug 2014 - Youth Week Celebration. 1. Exhibition 2. Speech Competition 3. Cooking without fire 4. Face painting 5. Closing Ceremony Prin. Dr. R S Zunjarrao was present as chief guest. 21st Aug 2014 - Journalism: Widening Horizon in Commerce by Chandan Hygunde, The Indian Express.

5th Sept, 2014 - Teachers day celebration.

12th Sept, 2014 - Banking Poster Exhibition - Dr. J R Lanjekar and Adv Subhash Mohite were present. 25th Sept to 27th Sept 2014 - Lecture Series -

1. Consumer Protection Act by Grahakteertha Bindhu Madhav Joshi.

2. RTI Act by Vivek Welankar

Cyber Law by Sr. Police Inspector Bhanupratap Barge.
 Lifestyle by Dr. R P Mane.

11th Dec 2014 - Guest Lecture on "Self Awareness" by Prof. Omkar Natu.

15th Dec 2014 - Guest Lecture on Tally ERP by Poonam Ghodake.

16th Dec 2014 - Guest lecture on Professional Courses preparation by Prof. Iyenger.

23rd Dec 2014 Social Visit to Gharata Prakalpa" at Bholagiri Vidyalaya Pune.

24th Dec 2014 - Commerce Fair 2014-15.

24th Dec, 2014 - Talk on Entrepreneurship by Mr. Ram Khutwad, Urja Industries.

31st Dec, 2014 - Guest Lecture on Gandhi Fellowship Programme by Mr. Mayur.

12th Jan, 2015 - Placement Activity-Prism Club.

13th Jan, 2015 - Guest Lecture on Soft Skills by Prof. Dipti, ICAI.

16th Jan, 2015 - Placement Activity - Deutsche Bank 17th Jan, 2015 - EVS Exhibition and Guest lecture on Awareness of Anti Terrorism by ACP Bhanupratap Barge.

23rd Jan 2015 - Industrial Visit to Ayurveda Rasashala.

23rd Jan 2015 - Republic Day Celebration.

'Kuch Yaad Unhe bhi Karlo' by Col. Hasabnis & Team.

30th Jan, 2015 - Placement Activity-TJSB Bank.

20th Feb, 2015 - Commerce Day Celebration - Guest Prof. S. S. Deshmukh, Secretary PES.

Prof. Savitha Fernanades worked as the Coordinator.

M.Com. (Non-Grant)

The M.Com. department is the youngest department, set up in the year 2012, with intake capacity of 60 students. The department conducted a series of activities throughout the year. The passing percentage of first year and second year was 80%, which was an achievement.

The department conducted a series of activities throughout the year, including sessions on Human Rights, Cyber Law and Soft Skills by subject experts in respective field for 10 credit Programme of Savitribai Phule Pune University, for P.G.course.

The departmental academic visit was organized to Maratha Chamber of Commerce where information and guidance about future opportunities in Commerce were given.

The guest lecture organized were on topics like :

- Direct and Indirect Tax -by CA Sumit Shah
- Soft Skill-Personality Development -by IBS business school
- Social Networking issue-by Adv Vaibhav Salunke
- Research methodology- by IBS business school
- Opportunities for India in global economy- by Prof.Rupa Rawal
- · Carrier opportunities in banking sector-by IFBI
- Human Rights-by Adv Ajay Wagh.
- Prof. Vaishali Doshi worked as Co-ordinator.

BBA

Students of BBA took initiative in organizing and coordinating scores of co-curricular activities throughout the year. Series of workshops and guest lectures were also conducted by the department along with the regular course work.

The following list highlights some of the activities:

- Counseling Programme for F.Y. BBA students.
- Freshers Programme for the F.Y. BBA students.
- Guest Lecture on "Building Your Talent Pool for Future Growth" by Mr. Sudhindra Sarnobat.
- Guest Lecture on "Small Business Ideas and Opportunities" by Mr. Hemant Thite.
- Discussion on General Budget 2014.
- Group Presentation on "Cultural & Linguistic Diversity in English speaking Countries"
- Guest Lecture on Union Budget 2014 (An Analysis) by Mr. Amol Dabke.
- Guest Lecture on "Business Ethics Yesterday, Today & Tomorrow" by Dr. S.G. Bapat.
- Guest Lecture on "Public Speaking & Presentation Skills" by Mr. Pushkar Aurangabadkar.
- Guest Lecture on 'Importance of Stock Market for Students' by Mr. Amit Kadam.
- Guest Lecture on "Image Management through Appearance & Communication" by Mrs. Anne Anish.
- Guest Lecture on "Talent Management" by Mr. Sandeep Chougale.
- Guest Lecture on "Corporate Expectations and Opportunities in Marketing, HR and Finance" by Mr. Samir Mondal, Mr. Sunil Kr. Singh, Mr. Ravindra Singh & Mr. Mahendra Patil.

- Guest Lecture on "Requirement of Industrial Skills for Accounts & Finance Career" by Prof. Raghvan Iyenger.
- Guest Lecture on "Stockmarket and Equity Research" by Mr. Bharat Dalal & Mr. Samir Mondal.
- Guest Lecture on "Basics of Photography" by Mr. Vivek Athani.
- Academic Visit for F.Y. BBA to NIBM, Kondhwa.
- Annual Prize Distribution Ceremony for the Aarohan 2015 and sports winners.
- Farewell function for the T.Y. BBA students As per the SPPU guidelines, Industrial Visits for the SY BBA students were conducted in the following industries:
- 1. Sherni Locks and Oxyrich in Wagholi, MIDC
- 2. Bajaj Auto and Groupo Antoline in Chakan, MIDC
- 3. Prof. Amol Shinde published two research papers this year. He has been awarded a Minor Research Project, BCUD, Savitribai Phule Pune University, Period: Academic Year 2014-2016. Title- A Study of Behavioral Finance pertaining to Management institutes faculty in and around Pune.

BCA

Orientation Programme for F.Y. BBA & F.Y. BCA was conducted by Mr. Sanjay Katkar, Co-Founder and CTO, Quick Heal Technologies on the current topic "Management Education and the Expectation of Corporate World from the Budding Managers" which was appreciated by all Students.

Along with academic coursework, different Guest Lectures for the students as well as for lecturers were conducted as follows:.

- ERD & DFD by Prof. Shivendu Bhushan.
- Importance of Ethics & etiquettes
- Database designing and Normalization
- Personality Development
- Database Skills and Opportunities
- Image Management through Appearance & Communication by Anne Anish
- Presentation Skills by Dipti Inamdar
- Basics of Photography by Mr. Vivek Athani
- Web Application Development and Globle certification by Aptech Computers

Common activities of BBA and BCA

In addition to the above activities, a State level Seminar on 'Business Innovation through Advanced IT' for BBA, BCA, B.Com. and M.Com. students was conducted successfully. Eminent Speakers presented their valuable thoughts at this Seminar. Different welfare activities for students were also conducted by department for the students, such as:

• Medical Check Up for F.Y. B.B.A. and B.C.A. students

• Parent Teachers' Meet

• Counselling Programme for F.Y. B.C.A. students **Placement Activities**

Various Placement activities were organized by the Placement Cell which included on campus and off the campus placement drive. For Off campus Drive, students were shortlisted by the placement cell according to the criteria specified by company and then they appeared for the Interviews conducted by different Companies.

This year the Placement Cell organized a placement drive for Lowe Lintas Pvt .Ltd. for T.Y. B.B.A, T.Y. B.C.A. and T.Y. B.Com. studentsIt is an Advertising Company which selected five students from BBA, BCA and B.Com.

Every year the **Annual College Fest** "AAROHAN - 2015 " is conducted, the tag line for which is "EXPLORING THE LIMITLESS TALENT".

Interesting Events and activities for students and for Lecturers were conducted over a duration of 4 days. Various Days were organized for students. Different brain games like Treasure Hunt, Sudoku solving etc. and Quiz, PPT Presentations, Group Discussion. Computer Games Like NFS, Black-Out coding, Counter strike were included.

It also included Management Events like MAD-Ads, cultural activities like Rangoli competition, Mehendi competition, Nail art, Poster Painting, Creative Writing etc.

The" Arohan-2015" concluded with the Traditional Day.

Social Week

Students of BBA and BCA organized "Social Week" on 4 Feb. 2015 and Feb. 2015. Main motive behind " Social week" was to imbibe sense of social responsibility on students.

Various NGO's like Amhi Yuva, Eklavya Nyasa, Sahyog Trust, Netrajyoti Pratishthan, Drishti Group as well as eminent speakers like Shri. Vishwambhar Chaudhari, Shri.Milind Ekbote, Smt. Renutai Gawaskar, Adv. Asim Sarode, Dr.S.K.Lodha, Dr.Satish Desai, Shri.Bhanupratap Barge visited our campus to interact with students to motivate them to involve in various social activities like helping the poor, Save Animal, Woman Empowerment, Young Movement against drugs and alcohol, Social Networking, and Clothes& books donations.

> - Prof. M. D. Waghmare Vice-Principal, WCBS

Junior Wing

Vice Principal - Vilas B. Alhat (Aug. 2014 onwards) Supervisor - Ravindra Ingole (Aug. 2014 onwards) Total No. of students -

XI Arts - 37, XI - Commerce - 528, XI - Science - 516 XII - Arts - 172, XII - Commerce - 442, XII - Science - 480 HSC Board Examination March 2014 Result

Arts - 172, Commerce - 442, Science - 480

List of Meritorious Students : Arts Faculty -

- 1) Panse Shambhavi Nityanand
- 2) Hinduja Priya Mohan
- 3) Acharya Shreeya Jitendra
- 4) Ashokan Shraddha
- 5) Guin Tanisha Ashim

Commerce Faculty -

- 1) Patil Shivani Bajirao
- 2) Dube Shweta Tukaram
- 3) Ghanwat Akshata Suryakant
- 4) Talathi Harshani Jyoti

5) Shetty Tejawi Satish

- Science Faculty -
- 1) Shetty Apoorva Udayshankar
- 2) Patki Shravani Ajit
- 3) Thigale Ashish Hanumant
- 4) More Nikita Sunil
- 5) Hande Manish Sunil
- 6) Kumthekar Madhura Abhijt
- List of Staff Members :

Arts Faculty - Prof. Mrs. B. U. Muttalgiri (Coordinator) Prof. P.M. Sambare, Prof. Mrs. V.D. Joshi, Prof. Mrs. Ann Joy, Prof. Mr. D.D. Khandale, Prof. Mrs. V.N. Aher, Prof. S.B. Doiphode, Prof. V.V. Suryawanshi, Prof. Mrs. Bhakti Walvekar, Prof. V. K. Devdhe, Prof. Mrs. S. S. Gangurde, Prof. V.B. Alhat, Prof. Mrs.R.K. Ahire, Prof. R.D. Choudhari. Commerce Faculty - Prof. Mrs. S. N. Gosavi (Coordinator) Prof. Mrs. S. S. Gharpure, Prof. V. C. Wagh, Prof. Mrs. Reeja Nair.

Science Faculty - Prof. J. J. Pawar (Co-ordinator) Prof. Mrs. V. V. Chabukswar, Prof. Miss M. G. Mandhare, Prof. Mrs. A. S. Deshkar, Prof. Mrs. R. S. Bhalerao, Prof. Mrs. S. B. Nighot, Prof. Mrs. S. K. Barve, Prof. G. V. Bamble, Prof. A. A. Patil, Prof. Mrs. S. Gotpagar, Prof. U. K. Gavali, Prof. L. M. Sherkhane, Prof. A. V. Thakur, Prof. Mrs. M. H. Matsye, Prof. Mrs. S. S. Ghodke, Prof. Mrs. A. M. Joshi, Prof. Mrs. S. B. Rathod, Prof. S. J. Karekar, Prof. Mrs. S. N. Jadhav, Prof. Mrs. L. S. Chaudhari, Prof. Mrs. N. A. Birajdar, Prof. Miss S. A. Katruwar, Prof. Mrs. A. S. Apte, Prof. Y. S. Thipse, Prof. S. J. Daf, Prof. Samir Badmanji, Prof. Miss Asha Sagar, Prof. Y. S. Patil, Prof. Mrs. S. T. Achalkar. Physical Education - Prof. D. S. Kute.

Activities - Students of Junior College participated in various sports and cultural activities. Study tours were organised for students of XII Science, Commerce and Arts were given an opportunity to develop an appreciation of the melodious, classic and evergreen Hindi and Marathi Songs. Savitribai Phule Pune University awarded gold medal in M.A. Marathi to Prof. Mrs. V. D. Joshi - Teacher (Department of English).

1) National Science Olympiad -Total students Registered

XI - 46 and XII - 31

XI

Toppers -

XII

1) Aniruddh Tayade 1) Mahesh Kadu 2) Shreya Mehta 2) Rahul Sonawane

3) Prasad Kohinkar3) Manu Agarwal2) International Maths Olympiad

Co-ordinator - Prof. Mrs. Sucheta Jadhav

Total students Registered XI - 45 and XII -21

Toppers -

- 11

XII

1) Utkarsh Mandekar 1) Manish Hande

2) Shreya Mehta
 2) Deepak Ambilkar
 15 students participated in Inspire Camp from 6th
 to 11 Nov. 14 at NMIMS, Mumbai - Prof. Madanlal
 Ghai (Punjab) delivered a lecture on
 5/12/2014 during Indian Mathematical Tour.

• Board examination of Std. XII Feb-March 2015 was conducted smoothly. Vice Principal Prof. Vilas B. Alhat was main conductor of this examination. All committees of Jr. College level worked in an excellent way. This year we guided students to develop writing skills in the examination.

• Rashtriya Bal Swasthya Karyakarm was conducted and medical checkup of Std. XI students organised by District Hospital Aundh, Pune.

Parents Teachers' Association 2014-15 election was conducted in 2014.

Members: XI - Mr. Vinayak Mukund Dikshit, Mr. Mangal Ramesh Khunte, Dr. Varsha Rajendra Mehta, Dr. Rishikesh P. Sonawane, Mr. Adinath M. Rokade, Mrs. Pranali Gujarathi, Shri. Sanjay S. Kulkarni, Shri. Patil D. B., Mrs. Dhiwar Sunita Ashok, Mrs. Kelkar Suvarna Satish.

XII - Ms. Kavita V. Gaikwad, Shri. Chandrakant Gaikwad, Ms. Sneha Subhash Kadam, Mr. Satyawan Hari Fadtare, Mr. Guja Nitin Iswar, Dr. Neeta Shirish Medhekar, Adv. Mrs. Shubhada Natu, Shri. Madhav Namdev Kapne, Mrs. Savita Prasad Peshve, Mrs. Bharti Sanjay Pardeshi, Mrs. Sangita Singh, Monthly meetings were held in the college for the PTA members.

Std. XI Toppers - 2013-14 Science -

Rank

1st Shetty Apoora Udayshankar 2nd Patki Shravani Ajit 3rd Thigale Ashish Hanamant Commerce -1st Patil Shivani Bajirao 2nd Dube Shweta Tukaram 3rd Ghanwat Akshata Suryakant Arts -1st Panse Shambhavi Nitanand 2nd Hinduja Priya Mohan 3rd Acharya Shreeya Jitendra

Name of the students

Competitive Examinations in Junior Wing

1) IAPT-Indian Association of Physics Teacher A - National Standard Examination Chemistry

Total Enrolled - 38 1st - Akash Mundra

2nd - Deepak Ambilkar

2nd - Roshan Pradhan

3rd - Janhavi Hinge

B - National Standard Examination in Physics Total Enrolled - 39

1st - Akash Mundra

2nd - Kaustubh Lahoti

3rd - Sachetan Gurjar

C - National Standard Examination in Biology

Total Enrolled - 29

1st - Komal Dhobale 2nd - Saumeya Katyal

2nd Cances Kamedles

3rd - Gargee Kawadkar

D - National Standard Examination in Astronomy

Total Enrolled - 8

1st - Deepak Ambilkar

2nd - Manthan Pawar

2nd - Shreyas Madgaonkar

3rd - Utkarsh Mandekar

II) Science Olympiad Foundation

A - National Science Olympiad NSO

Nov. 25th 2014

Total enrolled - XI 46, XII - 31

B - International Mathematics Olympiad IMO Dec. 18th 2014

Total enrolled XI - 45 XII 21

Result - NSO

nank	Class	Name	Type
			of Medal
1st	XI	Aniruddha Tayade	Gold
2nd	XI	Prasad Kohinkar	Silver
3rd	XI	Shreya Mehta	Bronze
1st	XII	Mahesh Kadu	Gold
2nd	XII	Manu Agarwal	Silver
3rd	XII	Rahul Sonawane	Bronze

IMO

1st	XI	Utkarsh Mandekar	Gold
2nd	XI	Shreya Mehta	Silver
3rd	XI	Jayant Choudhari	Bronze
1st	XII	Manish Hande	Gold
2nd	XII	Manu Aggarwal	Silver
3rd	XII	Deepak Ambilkar	Bronze

III) Prof. Brahma Prakash Memorial Material Quiz 2014.

6th Sept. 2014

XI - Ashutosh Kshirsagar, Kaushal Kulkarni XII - Apurva Pagare, Pooja Chate

IV Jim Corbett Environment Exam.

16th October 2014

Total Enrolled - 7

Result : Above 70% - 5, Above 60% - 2

1st Rankers - Rutuja S. Chavan - XII, Sneha G. Bapat - XII, Jishan Tamboli - XI

Staff Coordinators -

NSO - Manisha Mandhare, IMO - Sucheta Jadhav Jim Corbett Environment Exam - R. N. Ingole, Mrs. Ashwini Deshkar, IAPT - NSEP - Anjali Joshi, NSEC - Renu Bhalerao, NSEB - Manish Mandhare, NSEA - Prajakta Chougule

के. बी. साठे मेमोरिअल ट्रस्ट, पुणे आणि संस्कृत प्रचारिणी सभा, पुणे. विषय - कै. धोंडूमामा साठे यांच्या ३९व्या स्मृतीदिनानिमित्त आयोजित विविध संस्कृत स्पर्धा

संस्कृत कथाकथन इ. ११वी व १२वी (गट १) स्पर्धेतील मुलांची नावे -

१) पद्मा गंगाधर पंचाळ - बालिका पाठ पाठ्यति ।

२) रिचा राजू मोरे - चत्र: काक: ।

३) विकास राठोड - पण्डित नाविक कथा।

४) जिशान जमाल तांबोळी - स्वामी विवेकानंद: ।

स्पर्धेचे ठिकाण - वेदशास्त्रोत्तेजक सभा, सदाशिव पेठ, पुणे. वरील सर्वाना उत्तेजनार्थ पारितोषिक मिळाले.

संस्कृत भारती

पुणे संस्कृतसम्मेलनम् जानेवारी २०१५ सहभागी मुलींची नावे -

१) विद्या नूतन विजय - ११वी-ई

२) कुलकर्णी निवेदिता प्रमोद - ११वी-ई

Indian Institute of Science Education & REsearch (IISER) Pune from organised Summer Camp has 18 to 22 May 2015, Two students are selected for this camp.

- Prof. Vilas B. Alhat Vice Principal, Junior College

Library

This year our library added 1943 books to the library collection during 1st April 2014 to 31st March 2015. Now there are 96132 books in the library.

1867 books were added under following sections: Jr. Wing -158,Sr. Wing- 999, Non-Grant - 473, Donation- 313

We are grateful for the donation of books received $% \left({{{\mathbf{F}}_{{\mathbf{F}}}}_{{\mathbf{F}}}} \right)$, from:

No	. Name	No. of books
1.	Prof. Shamkant Deshmukh	07
2.	Mrs. Kuvalekar Sanjeevani	67
3.	Prof. C. G. Kulkarni	130
4.	Idol Publication, Pune	40
5.	Bhartiya Bhasha Sansthan,	
	New Delhi	30

Many valuable and rare books were received from this donation. e.g. Bhrugusanhita, Ramayana, Rigveda, Atharvaveda etc.

This year Saraswati Pooja and Book Exhibition of newly purchased books was organized on 1st October 2014 in the library.

Seven students worked in the library under Earn & Learn scheme of Savitribai Phule Pune University.

Fifty nine students availed the Book bank facility from the library in the year 2013-14.

Selected books for girl students are kept in the ladies room of college, and books related to competitive examinations are kept in the separate classroom for students preparing for such examinations.

Internet and Digital library facility is provided for staff & students.

General / Extra reading facility is provided on every Saturday except examination period.

Following well-known academicians visited our library:-

- 1. Dr. Bhalerao Rekha P. Adarsh Comprehensive College of Education Research, Pune.
- 2. Dr. Kasture Padmaja B. Adarsh Comprehensive College of Education Research, Pune.
- 3. Dr. Digambar Mokat SPPU.
- Dr.D.D.Balsaraf Member-Management Council, SPPU.
- Dr. Talke A. B. Bhagwan Mahavidyalay, Ashti, District-Beed.
- 6. Silwia Barbieri University of Bocconi, Italy
- 7. Anne McCall, Dean and Neha Khanna, Professor, Harpur College, Binghamton, New York.

We have become an Institutional Member of the following libraries : 1. British Library 2. Maratha Chamber of Commerce & Industries. 3. Jaykar Library, SPPU. 4. Dhananjayarao Gadgil Library, Gokhale Institute of Politics and Economics.

- 5. DELNET : Developing Library Network. 6. Deccan College Library.
- Staff and students will get access to the online resources of these libraries.

Library Activities during 2014-15

- 1. Junior College Arts (History) students visited library to know about encyclopedias and dictionaries and other reference books in the library.
- 2. Students(T.Y.B.Sc.) and staff of Department of Zoology visited library to explore information and to know about the facilities in the library.
- 3. Lecture of Dr. Shubhada Nagarkar, Asstt. Prof. Jayakar Library, SPPU, was organized for staff on 16th February 2015 to explain Impact factor, h-index, etc. for preparation of NAAC Self Study Report.
- 4. On 17th& 18th March 2015, two days National Seminar was organized jointly by libraries of Modern College of Arts, Science & Commerce, Pune 5 and Pune 16 and Modern Institute of Business Management, Pune 5; on "Impact of epublications on Higher education and librarianship"

Chief Guest was Dr. V. B. Gaikwad, Director, BCUD, SPPU, Guest of Honour was Dr. E. B. Khedkar, Dean Faculty of Management, SPPU. The Inaugural Speaker was Dr. B. M. Panage, Librarian, Javakar Library, SPPU and Key note speaker was Dr. Usha Munshi-Librarian, Indian Institute of Public Administration, New Delhi.Dr. Prof. G. R. Ekbote, Chairman, Business Council, P.E. Society presided over the function.

Proceeding book with ISBN number was released on this occasion. 30 research papers are included in this book.

More than 125 participants registered for this seminar and following resource persons guided the participants:

- Dr. Karisiddappa C. R. Dr. Ashok Y. Asundi
- Dr.Rajendra Kumbhar Dr. Shubhada Nagarkar
- Mr. Prahlad Jadhav Dr. Neela Deshpande

Dr.W. N. Gade, Vice-Chanceller, SPPU and Dr. R. W. Kale, Prof. Life Science, JNU, New Delhi were the Chief guests for the Valedictory function.

Other activities :	
i. International Book Day	23.4.2014
ii. Anti Terrorism Day	31.5.2014
iii. Birth Anniversary of	
Dr. Ranganathan S. R.	12.8.2014
iv. Display of Books by	
British Library	12.8.204
v. Display of books by Success	
Publication	30.9.2014

Modern 2014 - 15 + 50

vi. Sale of books withdrawn from library

2.12.2014

11th April 2014

14th April 2014

2nd May 2014

31st May 2014

26th June 2014

1st July 2014

23rd July 2014

1st August 2014

8th Oct. 2014

31st Oct. 2014

14th Nov.2014

19th Nov. 2014

26th Nov. 2014

Birth Anniversaries of great national leaders and thinkers declared in Government of Maharashtra list were celebrated in the library, as follows includes:

- Mahatma Jyotirao Phule Javanti
- 2. Dr. Babasaheb Ambedkar Javanti
- 3. Basweshwar Maharaj Jayanti
- 4. Maha Rana Pratap Jayanti
- 5. Shahu Maharaj Jayanti
- 6. Vasantrao Naik Jayanti
- Lokmanya Tilak Jayanti 7.
- 8. Shahir Annabhau Sathe Jayanti
- 9. Maharishi Valmiki Jayanti
- 10. Vallabhbhai Patel Jayanti
- 11. Pandit J. Nehru Jayanti
- 12. Indira Gandhi Jayanti and
- National Integration Day

Jayanti

- 13. Sanvidhan Divas 14. Krantijyoti Savitribai Phule
- 3rd Jan. 2015 12th Jan. 2015 15. Swami Vivekanand Jayanti

- Mrs.Madhuri S.Datre Librarian

Arts Circle

- 1. Inauguration Program: On 15th September 2014, the activities of Arts Circle were inaugurated by the famous stand-up comedy artiste Prof. Deepak Deshpande from Solapur.
- 2. Kala Saptaha: A week of various competitions was organized for identifying the talent of students. We organized poetry reading, solo acting, vocal and instrumental music, poster painting, dance, rangoli, mehendi, elocution and play reading competitions. Prof. Mrs. Sanjivani Kuvalekar, Prof. Mrs. Sunita Gosavi, Prof. Mr. Ashok Kamble, Prof. Mrs. Vandana Joshi, Prof. V.V. Suryavanshi, Prof. Mrs. Anjali Sardesai, Prof. Mrs. Renu Bhalerao, Prof. Mrs. A.A Apte, Prof. Mrs. S.A Javale, and Prof. R.D. Bansode were in the organizing team.
- 3. Workshops: In the month of July 2014, we organized a workshop for Drama Students. Mr. Yogesh Soman, a famous writer, director and actor, very skillfully conducted a two days' workshop.

On 12th December 2014, classical dance workshop was conducted by the famous Kathak duo Dancers Mujjaffar Mulla and Mrs. Gauri Adkar from Delhi.

- 4. Intercollegiate Drama Competitions: Students from our college participated in various intercollegiatecompetition and won prizes in the following competitions:
- a. <u>Purshottam Karandak:</u> One Act Play 'CARSHED'. Omkar Dhole - Consolation Prize for Direction. Shubhankar Ekbote- Consolation Prize for acting.
- <u>Bharat Karandak:</u> One Act Play 'CARSHED'-Shubhankar Ekbote - Consolation Prize for acting. Surendra Tekade - Consolation Prize for acting.
- c. <u>Sarpotdar Karandak</u>: Third Prize for group. Omkar Dhore - Second Prize for acting. Shubhankar Ekbote - Second Prize for Direction.
- d. <u>Natyamay Prayogshala:</u> One Act Play 'Balance'. Reached Last Round.
- e. <u>Lokankika Karandak:</u> One Act Play 'Motive'. Reached Last Round.
- <u>Pratibimba Karandak:</u> Second Prize Group. Second Prize - Direction.
- 5. Intercollegiate Dance Competitions:
- a. <u>MTV Dance Competition MOB</u>: First Prize for Abhishek Dhapte and group.
- b. <u>MITSOM</u>: First Prize Omkar Dhomse and group.
- c. <u>BMCC:</u> Second Prize Riddhi Deshmukh and group.
- d. <u>Vedant Karandak:</u> Third Prize Sanket Chandankarand group.
- e. <u>Christ College:</u> Second Prize: Rujuta Patil and group.
- f. <u>Mood Indigo:</u> International Level Dance Competition - ASIA. Reached Semi Final Round -Gauri Aparjane and group.
- 6. Best Performances in Arts Circle: Ishwari Murudkar and Shubhankar Ekbote received Late Panduranga Vishnu Mahadkar Prize for their best performance in Arts Circle.
- 7. Chau Dance: In association with SPIC-MACAY, our college organized a special program of Chau folk dance style from Northwest India presented by 15 dancers and music group.
- 8. Interaction with Celebrities: This year Arts Circle students got opportunities to interact with some eminent film personalities like Actor Atul Kulkarni, Sayaji Shinde, Shreyas Talpade, Priya Bapat and Makarand Anaspure.
- 9. Arts Circle students presented an exceptional **Cultural program** on 20th and 26th February 2015 for the participants and guests of **National** and **International Conferences** organized by Microbiology, Biotechnology, Botany, Physics and Computer Departments.

10. **Prize Distribution** Program was held on 24th March 2015 and the students were felicitated by the radio artiste flute player Shree Ramesh Gulani. Mr. Gulani played melodious Marathi and Hindi songs on flute and inspired the students. This program was organized by Mr. Prof. A.V. Kamble.

On account of the retirement of Prof. S. D. Purohit, Prof. A. V. Kamble (Electronics) was appointed as the Chariman of Arts Circle since March 2015, by Principal Dr. R. S. Zunjarrao. Our best wishes for his tenure as Chairman, Arts Circle.

We thank our Principal Dr. Zunjarrao and Vice Principal Dr. Nayana Kulkarni for their constant support. We also thank Mr. Deepak Shah and Mr. Vilas Lad from Accounts Department and all non-teaching staff and all well-wishers and members of Arts Circle for their active support.

> - Prof. Sunita Purohit Chairman

Arts Association

Activities :

1) Essay Competition on the topic 'My Teacher' (माझे गुरु) on 5th September 2014. About 30 essays were received from students of Arts, Science and Commerce faculty.

Dr. Madhu Satam, Prof. Mrs Pallavi Math and Prof. Mrs. Rupali Ahire were the judges for the competition. Following are the results of Essay competition

- 1 Kumbhar Mrunali F.Y.B.Sc.- First Prize
- 2 Sameer Ware-XI-BC Second Prize
- 3 Mrunalini Chaturvedi-TYBCom-C-Third Prize Consolation Prize - Shekhar Chorghe, Nishigandha Rane, Pranali Londhe, Rajashri Chavan and Gopal Padamsha.
- 2) Two students of Junior College participated in the RBI Quiz competition on 11 August 2014.
- 3) Visit to RBI college of Agriculture Banking was organized for the students of First Year Arts and Commerce on 13 August and 10 December 2014. About 50 students visited RBI and observed the currency exhibition and also collected information on Financial Inclusion.
- 4) Art Exhibition was organized on, Yuva Diwas, 12 January 2015. Students participated and exhibited their Art, talent and hobbies like Jewelry making, coin collection, paintings, photography, fashion designing, poetry writing, chocolate making, tarot card reading and aptitude testing.

- 5) Two students participated in inter collegiate elocution competition held in S.P. college on the subject 'Relevance of Planning Commission' and in St. Vincent College of Commerce on the subject 'e learning - the future of education' on 20 December 2014. The names of participants are -Miss Sadia Kazi and Mr. Siddharth Naik.
- 6) Miss Sadia Kazi, a student of XII Arts, participated in inter collegiate essay competition on the subject 'Changing face of Politics' held in Poona College and got first prize.
- Miss Avani Pendse of FYBA participated in State level Elocution competition (PG Sahastrabuddhe competition) held in S. P. College on 12 and 13 December 2014.
- Miss Avani Pendse of FYBA participated in State level Elocution competition held in Garware College on 3rd January 2015.
- 9) Miss Avani Pendse of FYBA and Miss Lovon Dawson of SYBA participated in inter collegiate debate Competition held in St. Vincent College on 20 December 2014 and got Second prize of Rs. 2500 together.
- 10) Miss Avani Pendse of FYBA and Miss Lovon Dawson of SYBA participated in inter collegiate debate competition held in St. Mira's college
- 11) The following students of FY and SYBA participated in Play reading competition held in St. Mira's college: Avani Pendse, Simron Mehta, Aditi Moghe, Sayani Biswas, Lovon Dawson, Omkar Jadhav and Gauri Chudekar.
- 12) The Police Raising Day was celebrated in association with the police authorities of Pune and elocution competition was organized in the college on 6th January 2015 on the topic 'Yuvakanchya Polisankadum Apeksha'. The prize winners were as follows: First prize - Siddharth Naik, Second prize - Avani Pendse.
- 13) Our students participated in the Wall Street Festival and the competitions held in Fergusson College on 29 and 30 December 2014 and won prizes as follows:

i) Miss Sayani Biswas of SYBA got first prize for the competition 'Jara Bech ke dikha'.

ii) Mr. Sumit Tamuthkar got the prize for best model made out of waste.

iii) Mr. Omkar Jadhav got first prize for the competition 'bhangarwale'

iv) Mr. Omkar Jadhav got first prize for the competition 'mockstock' and poetry reading.

14) The leading Newspaper 'Loksatta' organized Elocution Competition for college students in Maharashtra. Our student Siddharth Naik got first prize in first round on 16 January 2015 and got consolation prize in the final round on 28 February 2015 in Pune.

All the members of the Arts association and Heads of Arts faculty guided the students.

Dr. Madhu Satam Chairperson

Yuva Manch

- Yuva Manch is a platform for youth to achieve knowledge from eminent personalities, to express their views, to create social awareness and understand their responsibilities.
- Renowned artist and senior activist Dr. Anil Awchat inaugurated the Yuva Manch activities in August 2014.
- On 11th February 2015, a workshop was organized for student writers. This workshop was conducted by Shree Vinod Shirsat, Editor, 'Sadhana' Magazine.
- Yuva Manch team sincerely thanks Principal Dr. Zunjarrao for continuous support.
- Along with this NSS, College Magazine Committee and Arts Association have also supported Yuva Manch, for conducting various activities.

- Prof. Sunita Purohit Chairman

Best Student Trophy Committee

Advisor : Dr. S. K. Rahane

Chairperson: Prof. B.U. Muttalgiri

Members: Prof. S. R. Hirve, Prof. M. Mandhare, Prof. D. L. Khokale, Prof. Shilpa Dange, Prof. P.M. Paratne, Prof. Sheetal Pardeshi, Prof. Rupali Naik, Prof. A. P. Goggi, Prof. D.S. Kute

Co-opted members: Prof. S.N. Gosavi, Prof. Reeja Nair, Prof. P. S. Kuduar, Prof. Vikram Phalke, Shri. R. M. Gaikawad (Office)

The Committee Supports Students from Junior Wing, Senior Wing and P.G. Wing to participate. Students are asked to fill up application and applications are scrutinized according to the score. Then the short listed students are called for personal interview which comprises personal interview followed by group discussion. There is one student from each wing who will be selected and will be declared as the best student of the year.

The best student from Jr. wing receives 'College Trophy' and 'Late Jyotsan Godbole cash prize.' The best student from Sr. Wing receives 'Damoday sheild' and 'Veer Savarkar Cash Prize'

The best student from Post Graduate receives best student P.G. Trophy. This year 100 applications were received. Among them fifteen were short listed for personal interview and group discussion. The interview was arranged on 17th Jan. 2015. The panels of judges were invited to interview the short-listed students. Following students were short listed in the junior wing:

1.	Sheetal Acharya	XIIAE
2.	Sejal Sanjay Satav	XIG
3.	Pooja S. Chaudhari	XI J

4. Priya N. Thathacharian XI F

5. Bapat Sneha Gurunath XII AE

The topic for group discussion was 'Ganeshotsav to be improvised.'

Following students were shortlisted in the junior wing:

1.	Suvarna Manohar Indore	T.Y.B.Sc. (Math)
2.	Suraj Kumar	T.Y.B.Sc. (Phy)
3.	Omkar Arvind Jadhav	S.Y.B.A.
4.	Rodhni Shivraj Supe	S.Y.B.Com. (A)
-	AL CONTRACT	marna (a a)

5. Ashwini Sunil Badgujar T.Y.B.Sc.(Comp. Sc.) The topic for group discussion was 'What's App - Yes or No.'

Following students from the post graduate wing were shortlisted:

1. Pranav P. ShivagikarM.Sc. II (Botany)2. Tanushri BhandariM.Sc. II (Micro)3. Chaitrali Hemant AtreM.Sc. II (Micro)4. Sonakshi UpadhyaM.A. II (Eng)

5. Yogini Pradip Sonam M.Sc.II (Micro)

The topic for group discussion was

Three panels of judges were as follows:

Jr. Wing:

Guest of honour : Prof. V.B. Alhat (Vice-Principal) Prof. R.N. Ingole (Supervisor)

- 1. Prof. S.B. Rathod 2. Prof. S.S. Gharpure
- 3. Prof. Y.S. Thipse 4. Prof. D.S. Kute

5. Prof. S.S. Gangurde

Sr. Wing:

Guest of honour: Dr. N.J. Kulkarni Vice-Principal: Dr. Y.R. Waghmare 2. Dr. A.S.Oke 1. Prof. N.M.Naidu 3. Dr. A.V. Kamble 4. Dr. N.H.Mahajan 5. Prof. Vikram Phale P.G. Wing: Guest of honour: Prof. A.G. Gosavi, Prof. P.G.Dixit Prof. S.S. Deshmukh (Vice-Principal) 1. Prof. S.R. Chaudhari (Vice-Principal) 2. Dr. Sushama Joag 3. Dr. S.K. Rahane 4. Prof. M.S. Suryawanshi 5. Prof. Madhuri Datre 6. Dr. S.S. Mujumdar

The Best Student of this academic year 2014-15, Jr. Wing: Shreeya Achayrya XII AE Sr. Wing: Suvarna Indore T.Y.B.Sc. (Math) P.G.Wing: Sonakshi Upadhya M.A. II (Eng)

The committee is very thankful to the Principal Dr. Rajendra Zunjarrao, Panels of judges for giving their valuable time. We also thank staff members for supporting, students for participation and nonteaching staff of the Gymkhana department for their co-operation.

> - Prof. B. U. Muttalgiri Chairperson

Commerce Association

Opening ceremony of Commerce Association was held on 26/08/2014. It was inaugurated by our Principal Dr. R.S.Zunjarao. Chief guest of this ceremony was Prin. Dr. Dattatray Balasraf, Management Council Member, Savitribai Phule Pune University. On this occasion Vice-principal Dr.Y.R.Waghmare and the teaching and nonteaching staff and students were present.

Activities :

1. Letterhead Competition: This competition was organised by Dr. R.W.Kulkarni on 13/1/15. 50 students participated in this competition.

Following students won the prizes.

1st Prize - Monika Naikade

2nd Prize - Rutu Patel

3rd Prize - Priya Ratna, Prachi Ghute, Rajashri Jakhlekar.

- 2. Audio visual competition:- The Audio visual competition was conducted on 22nd February, 2015. The judges of this competition were Prof. S.J. Ahiwale, Dr. A.V.Kamble and Dr. R.W.Kulkarni. Following students won the prizes: 1st Prize - Mrunalini Chaturvedi, Harshad Pawar, Amit Shinde, Nishigandha Rana, Dinesh Sali 2nd Prize - Saylee Kaswa, Sayali Bhapkar, Manali More, Monika Pendiyal
- Vyapar Mela:- Vyapar Mela was organised by Commerce Department on 20th & 21st January, 2015. There were 75 stalls & 251 students participated as entrepreneurs.

There were 3 categories included in Vyapar Mela as below :

- 1. Self made products/eatables
- 2. Traded goods/services.
- 3. Exhibition
- Following students won the prizes:
- A. Best Business Dress competition
 - 1st Prize Soniya Wadke, Aditi Deshpande, Aditi Marathe, Nayan Puntambekar, Komal Bhoir, Shalmali Joshi, Prajakta Subbanwar

2nd Prize - Rohan Raut & Group 3rd Prize - Mrunalini Chaturvedi & Group

- **B. Best Entrepreneur** Pradeep Kumar of S.Y.B.Com was declared as the Best Entrepreneur.
- C. Garbage Management -

Winner - Ganesh Kudmule & Group.

Prize Distribution ceremony of Commerce Association was held on 9th March 2015. The prizes were given away at the hands of our Principal Dr.R.S. Zunjarrao.

All members of the committee gave valuable suggestions and always rendered their support in all the activities of Commerce Assocation.

> - Prof. Vijay Gaikwad Chairman

Film Club

Some of the films shown were as follows:

- 1. **Private Life of Plants -** This documentary describes the growth of plants from a small seedling to huge rainforest trees. Three episodes of this documentary, Growth, Migration and Living Together were screened for M.Sc. Botany students.
- 2. **Plant Kingdom -** A film in three episodes made by BBC. This documentary is narrated by Sir David Attenborough who describes various events in the life of plants. The documentary is filmed at the Royal Botanic Garden, Kew, London.
- 3. **Fukushima** Is nuclear power safe? : This documentary describes the accident at Fukushima Nuclear Power Plant, Japan and its aftermaths. The film is anchored by Prof. Dr. Ali Al-Khalili, who has presented the pros and cons of the nuclear power and finally supports the use of it,
- 4. Earth without moon: A very interesting documentary speculating what would have happened if the earth did not have the moon. The documentary underlines the vital position of the moon with reference to the earth and its significance.
- 5. Secret of our living planet: This documentary is based on the forest ecosystems all over the world. It explains the types of forests, recycling of nutrients importance of fungi in forest ecosystems and importance of forests in supporting different organisms.

In association with the Department of Psychology, the Film Club had arranged 'Psych Film Fest 2015' in which three films, Kadachit (Marathi), Anjali (Hindi) and Provoked (English) were screened and discussed. The syllabus of F.Y.B.Sc. Botany includes a topic on Greenhouse Technology. A short documentary on this subject was screened for the students of F.Y.B.Sc. Div B. Many short films based on the subject Industrial Botany were screened for these students.

The students of M.A. English are expected to study Othello and Macbeth as a part of their syllabus. Films based on these dramas were screened exclusively for these students. We

also made available two more films 'Ran' and 'Hamlet' by The Royal Shakespeare Company.

- Dr. R. B . Barmukh Chairman

NCC

Strength	of NCC, for the	e year 2014-	15.
Wing	First	Second	Total

	Year		Year			
	SD	SW	SD	SW	SD	SW
Army	22	0	8	4	30	4
Naval	17	7	10	3	27	10
Air	0	0	0	1	0	1
Girls	0	0	0	2	0	2
(Army Unit)						
Total	39	7	18	10	57	17

Total strength = 74 Cadets (57 SD and 17 SW)

The NCC Army Unit of our college undertook various activities under the leadership of Capt. B. B. Yenage and SUO Bela Deshpande.

ARMY WING

- From last year the NCC activity has now become a three year activity but this year in 36 MAH BN NCC no Girl Cadets have enrolled in our College Army Unit.
- SUO Kapil Sabale participated in the Republic Day Camp 2015 at New Delhi.
- JUO Makarand Dhamale and CPL Rajat Ninave completed the Thal Sainik Camp up to the Inter Group Level held at Aurangabad in Sep 2014.
- SGT Abhijeet Dhanedhar and Cdt Onkar Jagtap completed All India Doon Trek held at Deharadun, UK in Sep 2014.
- An Army Attachment camp was held at 26 Mahrar Regt, Aundh, Pune in Jan 2015. Eight Cadets completed this camp successfully.
 Regular Activities and Participation of NCC Cadets in Various Camps:
- 1. Second Year Cadets completed their Annual Training Camp held at NCC GP HQ, Pune.
- Seven SD and four SW Cadets appeared for NCC "B" Certificate exam held in Feb 2015, and one Cadet appeared for NCC "C" Certificate examination held in Feb 2015.

- 3. Best Cadet Competition was held before the annual NCC function and CDT Gajanan Deshmukh was awarded the BC medal of this year.
- 4. Two Cadets JUO Anju Yadav and CSM Abhijit Dhanedhar completed Basic Leadership Camp at Amravati in Jan 2015.

NAVAL UNIT:

Participation of Cadets in different Camps:

- 1. Cdt. Tabish Shaikh was selected for RD parade camp at Delhi.
- Cdt. Vaibhav Kudale, Cdt.Dipti Sharma, Cdt. Swangi Prakash were selected for AINSC-2014 held at Karwar and achieved Gold, Silver, Bronze medal in activities like Ship modeling, Boat pulling, Health and Hygiene, Drill.
- 3. PO Cdt. Pramod Illaya participated in Ship attachment camp at the Mumbai Naval Dock.
- 4. All first year cadets attended a total of two ATC camps in this year.
- 5. Eight second year cadets appeared for the 'B' cert. Exam.

Social Activities of Army Wing and Naval Unit:

- NCC Army Cadets and Naval NCC cadets took part in the Rice plantation program held in Jul 2014 at Vinzer Tal Vellhe, with slogan of "Ek Divas Sheti sathi Shetkaryacha madatisaţhi". The activity was managed by Adv.Sadanand Phadke.
- A Blood Donation Camp was conducted by NCC Army Cadets and Naval NCC cadets and the NSS unit of Modern College, Pune 5, on 5th Dec 2014; in association with the KEM Hospital Blood Bank and HDFC Bank. A total of 203 Blood bags were collected. Posters on blood donation prepared by NCC cadets were displayed at the camp.
- A Cleanliness campaign was held at our college on Sunday, 21st December 2014.
- The SWACHHA BHARAT ABHIYAN was conducted by the NCC Army unit and NCC Navy unit. Capt B. B. Yenage, Lt. A. V. Kamble and NCC Cadets took efforts in conducting this activity under the guidance of Principal Dr R S Zunjarrao.
- The "SWACHH BHARAT ABHAYAN" logo was displayed in three prominent locations in the college campus.
- The Annual NCC Day was celebrated in our college on 10th February 2015; Cadets were felicitated by the Principal were awarded Certificates and gifts for their achievement in NCC activities. An exhibition of NCC was also organized in the

college. Weapons, War Ship models, different charts showing NCC activities were displayed in this exhibition.

NCC Cadets have taken great efforts in social as well as NCC Activities.

Capt. B. B. Yenage, NCC Officer, Army

Lt A. V Kamble NCC Officer, Naval

National Service Scheme

- Senior Wing

(NOT ME BUT YOU)

The NSS senior wing has a sanctioned Unit of 250 student volunteers. Students from all the streams i.e. Arts, Commerce, Science, Computer Science, Agri- biotechnology voluntarily participate in this scheme.

Regular activities :

1st July 2014- Workshop on Cyber Crime: This workshop was organized by NSS Modern College in collaboration with Pune Police (C.P.Office). Police Inspector Shri, Narendra Jadhav explained different strategies to stop cyber crime. A small documentary on the same was also shown to the volunteers. Principal Dr. R. S. Zunjarrao narrated a few facts in this context and guided about precautions to be taken in day to day life.

18th July 2014-Orientation Programme for First Year Students: Programme Officer Prof. P.S. Varade explained the structure of NSS and the main activities of NSS. 230 students were present for this programme.

22nd July 2014 - Cleaning drive at Mutha River: This activity was conducted in response to the appeal of Honourable Mayor Chanchala Kodre. 200 students of our college cleaned the Mutha river bank near Shaniwar Wada. Programme Coordinator Dr. Pandit Shelke visited the place and inspired the students for this activity. The Mayor and Honourable Vice -Chancellor Dr. Wasudeo Gade appreciated the work done by the volunteers.

6th August 2014 - Guidance session on Rice Plantation: Adv. Nandu Phadke guided the students about all the necessary precautions that one should take during rice plantation. Principal Dr. R. S, Zunjarrao expressed his views about this activity and encouraged the students to actively participate in it.

8th August 2014 - Paddy Planting Programme at Vinzar & Velhe: 800 students from our college (NSS and NCC) and NSS P.O. Prof. P. S. Varade, NCC officer Prof. B. B. Yenge actively participated in this activity. Students in groups of around 10-15 helped the farmers for planting rice paddy. The farmers appreciated the work done by students. Adv. Nandu Phadke, Sarpanch of Vinzar, other members of Gram Panchayat, Principal of Vinzar College felicitated the group leaders and the teachers.

12th August 2014- Health Awareness Workshop: NSS Unit of Modern college in collaboration with Red Cross Society organized this workshop. Mr. Nikumbhe of Red Cross society explained the functions of Red Ribbon Club and gave information on HIV/AIDS awareness.

15th August 2014-Independence Day Celebration: On this day NSS volunteers were present for flag hoisting. Prof Narendra Naidu spoke about 'Anandwan'.

After this a small workshop was organized for Blind students in collaboration with DRUSHTI. Information about different GRs was also given to the blind students. A small cultural programme was held at the end of this function.

21st August 2014 – Pledge of Water Conservation: SAKAL paper initiated this activity. Mr. Santosh Shaligram and his colleagues were present for this function. Principal Dr, Rajendra Zunjarrao gave the pledge to the NSS volunteers and other students of our college. 255 students were present for this function.

23rd August 2014 - Workshop on Women Empowerment: NSS Unit of our college in collaboration with 'Lokayat Group Pune' organized this workshop. They performed a Street play on this topic, showing that it was the duty of every individual to respect and guard the women in society.

3rd September 2014 - District level Pre –SRD/NRD Selection camp: NSS unit of Modern College in collaboration with Pune University organized a one day district level pre-SRD/ NRD selection camp. 175 students from Pune city and Pune rural colleges participated in this camp. 10 boys and 10 girls were selected in this camp. District Coordinator Dr. Shivaji Pacharne was present for this camp. Prof P. S. Varade and Prof. Mrs. Shubhangi Puranik worked hard for this activity.

5th September 2014 - Teachers' Day: On this occasion Principal Dr. Rajendra Zunjarrao and Dr. Sudhir Ujalambakar addressed the volunteers about the importance of this day in 21st century. Volunteers felicitated the teachers and expressed their views about this day.

18th September 2014- Tree Plantation at Kule: NSS volunteers of our college prepared 78 pits. 78 different tree plants including imported plants were planted by the hands of Hon'ble Principal Dr. R. S. Zunjarrao, Hon'ble Dr. A. K. Pande , Mr. Jadhav and NSS P.O. Prof. P.S. Varade. 21st September 2014- Anandvan Mitra Mandal get to gather : To know more about different activites ,future social plans /activities of Lok Biradari Prakalpa-Hemalkasa, a small get to gather function was organized by NSS Modern college in collaboration with Anandvan Mitra Mandal. Mr. Aniket Amte, the grandson of Baba Amte shared his own experience of life at Hemalkasa.Mrs. Mukta Tilak also explained her views about this activity offered a donation to Aniket Amte. Principal Dr. R. S. Zunjarrao also appreciated the activities of Lok Biradari Prakalpa. 24th Septeber 2014-NSS Day Celebration: A short documentary on the working of Anandwan was shown to the students. Prof. Narendra Naidu narrated the efforts of Amte family and the zealous workers at Anandwan. Staff members and students of the Department of Zoology were present for the function. 2nd October 2014 - Oath of Cleanliness: On this occasion Principal Dr. Zunjarrao gave the oath of cleanliness to all NSS volunteers and also appealed to participate in different activities related to 'SWACH BHARAT ABHIYAN.'

2nd October 2014 – Cleaning Drive: On the occasion of Mahatma Gandhi and Lal –Bahadur Shatri's birth anniversary the NSS Volunteers cleaned few classrooms, porch, and campus. After this Principal Dr. R.S. Zunjarrao addressed the students.

26th November 2014 – Sanvidhan Day Celebration: On this occasion our Principal Dr. R. S. Zunjarrao addressed the staff and students on the importance of this day. A Pledge was taken by all present. P.O. P.S. Varade, Librarian Prof. Mrs. Madhuri Datre, Registrar Shri. R.P. Kale, Prof. Mrs. Manda Admane and 65 students were present for this programme.

5th December 2014-Blood Donation Camp: On this occasion NSS , NCC and HDFC bank Pune -5 unit together held this activity. The blood donation camp was inaugurated by Principal Dr. R. S. Zunjaarao in the presence of, Vice Principal Prof. Sharad Chaudhari. 182 donors donated blood and 310 students checked their Hb.KEM hospital blood bank also co-operated.

13th December 2014- Clothes collection Camp: NSS and NCC unit of our college jointly organized this activity. All the staff members and students supported this activity. The collected clothes were sorted and donated to different needy people in Pune city. Principal Dr. R. S. Zunjarrao guided the volunteers and also appreciated their efforts.

16th December 2014- Guest Lecture: NSS unit of our college in collaboration with ABVP Modern college unit jointly organized a guest lecture on 'Nation Building through Education' by Prof. Vijay Nawale.

30th December 2014- Workshop on Adverse effects on Alcohol Drinking: A short film on adverse effects of drinking on human health and overall life was shown to the students. Dr. D. D. Bhide of Sadachar Prathisthan had a discussion session on this topic followed by separate question answer session. He emphasized on 'Say No to Alcohol'.

30th December 2014- Road Safety Awareness Programme workshop: Prof. P. S. Varade conducted a small workshop on 'Road Safety.' He explained the importance of Helmet and seat belt during travel. After this some slogans were told to the students. A separate debate session on 'Helmet Compulsion.' was conducted.

3rd January 2015- Savitribai Phule Birth Anniversary Celeberation: ABVP Modern College and NSS unit of our college jointly celebrated the birth anniversary of Savitribai phule. A short hindi film on the life of Savitribai Phule was shown to the volunteers. After this Mr. Sudhir deliverd a lecture on the Savitribai's efforts for women education. Prof. P. S. Varade delivered the vote of thanks.

6th January 2015- Police Raising Day Celeberation: NSS unit of Modern college in collaboration with Shivajinagar Police station celebrated Police raising day. In this function PI Narendra Jadhav, Principal Dr. R. S. Zunjarrao addressed the students.

11th January 2015- Cleaning Drive: As part of SWACH BHARAT ABHIYAN, NSS unit of our college organized 'one day' cleaning drive in college campus. 150 NSS volunteers actively participated in this drive. After the cleaning drive, Principal Dr. addressed the volunteers on the importance of this activity.

13th January 2015- Vasundhara Film Festival(on Environment): Five different short films on environment were shown to the students. The members of Kirloskar Vasundhara Film Festival discussed the environment conservation with the college students.

26th January 2015- DRUSHTI Workshop: After flag hoisting a special programme for blind students were organized in collaborations with DRUSHTI group. 50 blind students and members of different NGO's were present for this function. The problems of blind students were discussed and appreciation of writer group were done by felicitation. A small cultural programme was held by blind students. Dr. Sanjeevkumar Dalvi and Hon'ble Shri N.M. Joshi were present for this function. Both the delegates expressed their views and appreciated the work of DRUSHTI group.

4th February 2015- Workshop on Energy Conservation: Modern College in collaboration with PCRA organized a small workshop on energy conservation. Mr. Apte from PCRA division of Pune worked as a resource person for this workshop. A quiz competition and objective test were held for the students .160 students were participated in this workshop.

7th March 2015 – International Womens Day – On this occasion Principal Dr. R. S. Zunjaarao expressed his views on women empowerment and Earth with and without women's existence. After this Prof . Vandana Joshi delivered a lecture on 'Bahinabai and her Poems'. This was organized by NSS in collaboration with Yuva Munch and Staff Academy of our college.

Participation in Workshop / Seminars:

- Vaishali Makadi, Komal Malve, Komal Dede, Dayanand Kashid etc. - Worked as Varkari Mitra for Dyaneshwar Maharaj Dindi at Pune Camp, (27June 2014), organized by SPPU.
- Prof. P. S. Varade One day State Level workshop on NSS as an Optional subject at UG level, (26 June 2014), organized by Mumbai University.
- Sachin Gaikwad Avhan Camp, (7-18 June 2014), organized by Nagpur University.
- Dayanand Kashid Pune to Pandharpur Harit Urja Dindi, (17 June to 9 July 2014), SPPU.
- 5. Miss. Vaishali Makadi & 19 other girls Self Defense Workshop (17th July 2014), organized by the Mayor of Pune.
- Miss Vaishali Makadi, Komal Malve, Komal Dede

 Yuva traning Programme, (19th July 2014), organized by Sports and Yuva Dept. Mah. State.
- 7. 100 NSS Volunteers Online Tarunai (24th July 2014), organized by Pune Police.
- Miss Vaishali Makadi, Komal Malve, Komal Dede, Ganesh Kamble, Kishor Patil, Aadinath Gadekar
 Police Mitra Traning (22nd August 2014), organized by Pune Police.
- Miss Vaishali Makadi, Komal Malve, Komal Dede, Ganesh Kamble, Kishor Patil, Aadinath Gadekar
 Yuva Sanvad, (23rd July 2014), organized by BJP Cell Pune.
- Komal Malve SRD/NRD Selection camp, (5th September 2014), organized by SPPU.
- 11. Miss Vaishali Makadi, Komal Malve, Komal Dede, Ganesh Kamble, Kishor Patil, Aadinath - 4th Health Film Festival (19 December 2014),organized by National film Festival Unit Pune.
- 12. Vijay Bhadkwad, Amit Bhalekar Vasundhara Film Festival (22nd December 2014), organized by Bharati Vidyapeeth.
- 13. P. S. Varade, Miss. Vaishali Makadi, Komal Borate, Ganesh Kamble, Aadinath Gadekar, Amit

Ghorkhe - NSS Special camp visit (8th January 2015), organized by Modern Engineering College, Pune.

- 14.Ganesh Kamble, Vaishali Makadi & 14 other students - Pulse Polio (18-20 January 2015), organized by Police Hospital.
- 15. Vaishali Makadi, Komal Dede, Komal Malve, Rashtra - Sant Tukdoji Maharaj Sahitya Sammelan (2nd February 2015), organized by Akhil Bhartiya Gurudev Sevamandal & Govt of Maharahtra.
- 16.Komal Dede, Komal Malve Ganesh Kamble, Aadinath Gadekar, Amit Ghorkhe, Mayur Bhande and others - Swachata Abhiyan Karandak (16th-20th February 2015),organized by Samarth Bharat Vyaspeeth, Pune.

Special Camp Report

Village adopted: Phulgaon Tal:Haveli, Dist:Pune. Camp Site: Shri Satya Sai Seva Kendra, Phulgaon. Camp Dates: 06th -12th December 2014. Theme of Camp: Clean and Healthy India Drive.

This was the second year of our 'NSS Special Camp' at Phulgaon. Principal Dr. R. S. Zunjarrao inaugurated the camp. Sarpanch Mr. Sunil Wagaskar presided over the function.

The camp was full of activities. A few talks and interactive sessions were as follows:

Topic Resource Person

1. National Integration - Prof. Prakash Dixit -

2. Student and Politics - Adv. Santosh Jadhav

3. Water Conservation - Prof. V. B. Kamble

4. Modern Library

Administration - Prof. Mrs. Madhuri Datre

5. Current Education System - Prof. A.V. Kamble

6. Murti lahan Kirti Mahan- Dr.S.K. Ujalmbkar

7. Freedom fighter Savarkar - Dr. Pradip Agashe

A few other activities including a debate competition amongst the campers, Celebration of Datta Jayanti', Prime Minister Jan - Dhan Yojana wherein our volunteers actively participated were conducted.

Survey: A survey of the village focusing on the economic status, educational status of the village, e-waste management and disaster management was conducted.

Educational and Cultural: A few of our campers voluntarily conducted classes for the Nursery, Mini KG, Sr. KG and school children. They taught some games to the students and told a few stories. They also taught Science, Math and English to higher classes. In addition a few of our volunteers choreographed dances and directed plays of the younger children. The NSS PO and a few volunteers organized a small film presentation on Everest -Mount Noonchi Yashogatha. The **Cultural Programme** was appreciated by all the villagers. Our campers presented their talents in this grand variety entertainment event enthusiastically.

Street Plays: A workshop was conducted by Prof. Nisha Bhandare to train students to stage street plays. The groups had to work on a theme relevant to the problems faced by the villagers. Our campers performed these plays in various localities of the village.

Activities for women folk: The traditional 'Haldi - Kumkum' programme was arranged as a get together of the women folk. The mother of the Sarpanch and other ladies of Phulgaon presented a small activity called 'Nav Ghene'.

Preparing Pit for long Jump: A group of volunteers prepared a big flat pit for long and high jump for High school students in Dhotre High School. Headmaster Shri. Kumbhar appreciated this work. **Shramadaan:** Cleaning of the school, temple and hospital premises and the roads in the village and preparing compost pits were done.

Valedictory function: Sarpanch Mr. Sunil Wagaskar, Vice-Sarpanch Mr. Bapu Wagaskar, Vice Principal and the Secretary of P. E. Society Mr. Shamkant Deshmukh, Registrar R. P. Kale and Prof V.B. Alhat were present on this occasion. A few campers gave their heartfelt feedback about the camp. Later the programme Officers and the dignitaries addressed the gathering.

> - Prof. P.S. Varade - Prof. Mrs. Shubhangi Puranik NSS Programme Officers

National Service Scheme

(Junior Wing)

Regular Activities :

The NSS of Junior Wing has a sanctioned unit of 100 students voluteers.

12th July 2014 - 'Guru Pournima' : On the occasion of Guru Pournima volunteers expressed their respect and gave their views about this special day.

17th July 2014 - Orientation : Orientation of std. XI students by organising a 'Video Clip Show' on National level NSS activities to motivate voluteers was conducted by programme officers.

8th August 2014 - 'Kranti Din' : On the occasion of Kranti Din, 'Rice plantation programme with the Motto "Ek Divas Shetisathi, Shetkaryanchya Madatisathi" was organised in association with Advocate Shri. Nandu Phadke. The farmers were benefitted by the Shramdan of rice plantation in the fields. 179 volunteers and 8 teachers of Junior wing participated in this activity.

15th August 2014 - Independence Day: On this occasion Prof. Narendra Naidu delivered a lecture on Swami Vivekanand and Baba Amte. About 100 volunteers participated and all were inspired by Prof. Narendra Naidu's talk.

5th September 2014 - Teacher's day : Spoke about the importance of this day.

28th September 22014: Padabhraman Activity: Padabhraman i.e. Trekking was organised by 'Hanuman Hill', Shri. P. M. Sambare, Shri. V. C. Wagh, Shri. H. L. Mohol, Shri. V. C. Pawar, Mrs. Vaishali Aher and Mrs. Nanda Birajdar. 37 volunteers participated in this activity.

2nd October 2014 : Mahatma Gandhi Jayanti and Swachha Bharat Abhiyan :

According to guidelines given by Education Ministry, Central Government of India and State Government of Maharashtra, 'Swachha Bharat Abhiyan' was conducted by our college. About 100 vounteers, Principal Dr. Rajendra Zunjarrao, Programme officer Shri. P. M. Sambare, Prof. V. K. Devadhe and other committee members participated in this 'Abhiyan' by cleaning college Campus and classrooms. Thereafter, "Voting pledge" was also conducted.

24th November 2014 - Pre-winter Camp Visit: Pre-Winter Camp visit to Phulgaon, Tal-Haveli, Dist-Pune was organised by NSS Committee. 10 students and 5 teachers with Principal Dr. Rajendra Zunjarrao and Vice-Principal Prof. Vilas Alhat visited the camp site for cleaning the Shri Satya Sai Seva Kendra at Phulgaon.

Special Winter Camp (30th November 2014 to 6th December 2014)

Special Winter Camp was held at Phulgaon Tal. Haveli, Dist-Pune. 68 voluteers participated. Inauguration was at the hands of Hon. Shri. Balasaheb Qvhal, Assistant Director of Education, Pune Region, Pune, in the presence of Principal Dr. Rajendra Zunjarrao, Supervisor Shri. Ravindra Ingole, Programme Officer, Committee members along with members of Phulgaon Grampanchayat.

During the period of special winter camp various activities were conducted by volunteers under the guidance of Shri. P. M. Sambare, Manisha Mandhare, Shri. V. C. Wagh, Mrs. Sucheta Jadhav, Mrs. Sujata Ganguarde, Mrs. Sunita Nighot, Shri. Vinod Suryawanshi, Mrs. Ashwini Deshkar, Mrs. Vaishali Aher, Mrs. Nanda Birajdar, Mrs. Mangal aSalunke, Shri. Prakash Sabale and Shri. Bapu Kale.

Valedictory function was attended by Hon. Sarpanch of Phulgaon Shri. Sunil Wagaskar, Grampanchayat member Shri. Vasubhaiya, Citizens of Phulgaon, Principal Dr. Rajendra Zunjarrao, Vice-Principal Prof. Vilas Alhat, Registrar Shri. Ravindra Kale, NSS programme officers of Senior Wing Shri. Prabhakar Varade and Dr. Shubhangi Puranik.

During the post winter camp session, on 3rd January 2015 'Savitribai Phule Jayanti' and on 12th January 2015, 'Swami Vivekanand Jayanti' as 'Yuva Din' was celebrated by volunteers.

- Shri. P. M. Sambare, Manisha Mandhare, NSS Programme Officers - Junior Wing Shri. V. C. Wagh, Mrs. Sucheta Jadhav Assistant Programme Officers

Planning Forum

Planning Forum is a forum which gives nonformal education to the students on current economic aspects including Humanities. Following activities were carried out in the academic year 2014-15:

- 1) **Inauguration :** The activities of the Planning Forum were inaugurated by Dr. Mrinal Narvane, Director, Centre for Human Resource Development, YASHADA, Pune on 14th August, 2014. The guest spoke on the street children and their development. It is a co-incidence that this year the same issue had received the Noble Prize. The function was graced by the presence of Principal Dr. R.S. Zunjarrao.
- 2) The Economic Quiz Competition was organized on 12/12/2014. The winners were: 1st Prize : Sameer Vishwasrao - TYBA - B 2nd Prize: Kavita Karwande - S Y B A - A 3rd Prize: Sayani Biswas - S Y B A - B Consolation Prize:

a) Vikram Mahapatra - T.Y.B. Com - A b) Komal Kakade - F.Y.B.A. - B c) Anil Shelar - S.Y. B.Com- B

 Group Discussion was organized on 19/12/2014. The topics for discussion were Relevance of Planning Commission, Education system in India, Social net working sites, Comparison between the economy of India and China and Demographic dividend. The winners were: 1st Prize: Sameet Vishwasrao - T.Y.B.A. 2nd Prize: Lovon Daurson - S.Y.B.A. 3rd Prize: Prasad Shekade - T.Y.B.A. 3rd Prize: Mrunalini Chaturvedi-T.Y.B.Com- C Consolation Prize: a) Arun Pandey - S.Y.B.A.

b) Ruplekha Wadekar - S.Y.B.Com -C

 Essay Competition was held on 26/12/2014. The topic for the competition was Make in India. The winners were:

1st Prize: Sameer Vishwasrao - T.Y.B.A. 1st Prize: Mrunalini Chaturvedi-T.Y.B.Com- C

3rd Prize: SayaniBiswas - S.Y.B.A.

3rd Prize: Ruplekha Wadekar - S.Y.B.Com - C

5) Elocution Competition was conducted on 2/1/2015. The topics for the competition were Black Money, Consumer Rights and Importance of Metro in Pune. The winners were: 1st Prize: Amruta A. S. - T.Y.B.Com -C

Ist Prize: Amruta A. S. - 1.1.B.Com -

2nd Prize: Sayani Biswas - S.Y.B.A.

3rd Prize: Nutan Kandhare - S.Y.B.Com- C

3rd Prize:Mrunalini Chaturvedi-T.Y.B.Com-C Consolation Prize:

a) Ruplekha Wadekar - S.Y.B.Com- C b) Akshay Dambhare - F.Y.B.A

6) Power Point Presentation was conducted on 9/1/2015. The topics for this competition were Unknown tourist destination in India, Central Bank of any country and Trading Blocks. The winners were:

1st Prize: Akshay Dambhare - F.Y.B.A. 2nd Prize:Mrunalini Chaturvedi - T.Y.B.Com-C 2nd Prize: Pandurang Kasabe - S.Y.B.Com -A 3rd Prize: Divya Kamaji - S.Y.B.Com -C

Consolation Prize

a) Neikmal Yoon - F.Y.B.A.

7) Valedictory Function was organized on 12th February 2015. The Chief Guest for the function was Dr.Murzban Jal, Director, Centre for Education Studies, Indian Institute of Education, Pune. He delievered a lecture on "Knowledge and Society".

The function was graced by the presence of Principal Dr. R.S. Zunjarrao and Vice -Principal Dr.Y.R. Waghmare.

The above activities were the result of good team work done by Prof. Ms P.B. Mujumdar, Prof. Mrs. S.A. Vartak, Dr. S.S. Deshmukh and Prof Rupesh Bansode.

- Dr. Abhay Shende Chairperson

Science Association

Seminar of Intellectual Property Rights

A seminar on Intellectual Property rights for M.Sc-II students of Biotechnology was organized under the auspices of Science Association, Modern College during the academic year of 2014-15. A total of 30 students were present for the seminar. The speaker of the seminar was Mr. Prafulla Wange, Patent Attorney, Pune. Mr. Wange was welcomed in the department and after his felicitation, he delivered his talk. Mr. Wange explained about how the students can file a patent. A patent is a set of exclusive rights granted by a sovereign state to an inventor or assignee for a limited period of time in exchange for detailed public disclosure of an invention. An invention is a solution to a specific technological problem and is a product or a process. Patents are a form of intellectual property.

The procedure for granting patents, requirements placed on the patentee, and the extent of the exclusive rights vary widely between countries according to national laws and international agreements. Typically, however, a granted patent application must include one or more claims that define the invention. A patent may include many claims, each of which defines a specific property right. These claims must meet relevant patentability requirements, such as novelty, usefulness, and non-obviousness. The exclusive right granted to a patentee in most countries is the right to prevent others, or at least to try to prevent others, from commercially making, using, selling, importing, or distributing a patented invention without permission.

Under the World Trade Organization's (WTO) Agreement on Trade-Related Aspects of Intellectual Property Rights, patents should be available in WTO member states for any invention, in all fields of technology, and the term of protection available should be a minimum of twenty years. Nevertheless, there are variations on what is patentable subject matter from country to country. The seminar was very helpful to the students and the students were encouraged and motivated to file patents. The seminar ended by vote of thanks by coordinator Dr. Rebecca Thombre.

> - Dr. N. H. Mahajan Chairperson

Soft Skills Development Workshop

On 17th December 2014 Soft skills Development workshop was inaugurated by Principal Dr. R.S. Zunjarrao, Vice- Principal Dr. N.J. Kulkarni, Advisor Dr. Amruta Oke, Chairman Dr. Vijay Gaikwad, Dr. Ashok Kamble, Prof. Rahul Jadhav, Prof. Sumedha Chandekar and other non-teaching staff were present for the programme.

After the inauguration function, Dr. Vijay Gaikwad conducted the first session on Stress Management and second session on Visualization Technique.

On 18th December 2014 first session was on Public Speaking and Second session was conducted by Dr. Sanjay Kaptan on Decision Making.

"Understanding Personality through Hand Writing Analysis" this session was conducted on 19th December 14 by Dr. Rahane.

Prof. Parag Shah conducted a session on Interview technique and second session on Body Language on 20th December 14.

On 22nd December 14 Dr. Vijay Gaikwad conducted session on Personality development and Prof. Rahul Jadhav conducted an interactive session on developing Stage Daring.

To get acquainted and to develop students in the area of computer and internet Dr. Yashodhan Mithare delivered a session on Use of Information Technology in Education.

Soft skills enhances the ability of students in the area of employment. For this a session on C.V. Writing was conducted by Dr. Yashodhan Mithare, on 23rd December 2014.

Prof. Sumedha Chandekar conducted sessions on Role Play, Study Skills.

Goal Setting and SWOC Analysis in between 24th December 2014 to 27th December 2014.

On 27th December 2014 session conducted by Dr. Arun Shinde was eye opening session to all our students in the area of Physical Fitness.

29th December 2014 Dr. Anil Savarkar delivered lecture on Positive Thinking.

Second session was on Creative Thinking was conducted by Prof. Sumedha Chandekar.

In the presence of Principal Dr. R.S. Zunjarrao on the 29th December 2014, our Softskills Development workshop participants received certificates for the successful completion of workshop.

> - Prof. Vijay Gaikwad Chairman

Time Table Committee

Advisors:

Chairman:

(i) Dr. A.M. Bhalerao (ii) Prof. S. R. Pokharkar Prof. P.S.Kapre Vice chairman: (i) Prof. N. M. Naidu (ii) Dr. R. W. Kulkarni

(iii) Prof. S. D. Purohit

Committee Members: Dr. Sangita Bhagat, Prof. S. R. Hirve, Prof. Shilpa Mujumdar, Prof. S.V. Kuvalekar, Prof. S.N.Gosavi, , Prof. D.B. Gaikwad, Prof. V. N. Kothavade, Prof. Gogvi Arti, Prof. Gadakar P. V., Prof. Apte A.S. Prof. M.S. Ghanekar, Prof. Badmanji Sameer, Prof. R. N. Ingole, Prof.Barmukh R. B. Prof V.B. Alhat, Prof. S.R. Wagh, Prof. Wayal N.V., Shri. R.M.Gaikwad, Mrs. Swati Patwardhan.

Time table committee was constituted in the month of April 2014. Suggestions from various staff members were invited before 21st April 2014 in writing through Head of the Departments regarding any change required in the time tables.

Later, new time tables of practicals with necessary changes were prepared. After necessary discussions and approval from the staff, printing of time tables was carried out with the help of office staff.

Subject wise time tables of practicals were also displayed at proper time. We appreciate the help of Prof. S.R. Chaudhari Vice Principal of the college in this regard.

In view of effective implementation of time tables of different classes and hall arrangements, following sub-committees were formed and charge were decided: In charge Classes

Prof.D.B.Gaikwad Prof.R.B.Barmukh DR.R.W.Kulkarni

Prof.S.R.Hirve

Prof.Purohit S.D. Prof.Khokale D.L. Prof.Ghanekar M.S. Prof.Badmanji Sameer

Prof.Sangeeta Bhagat Dr.Shilpa Mujumdar

F.Y.B Sc./S.Y.B. Sc./ T.Y. B. Sc. M. Sc/M.C.A(sc) F.Y.B.Com./ S.Y.B.Com/T.Y.B.com M.Com. and Management courses F.Y.B.A./S.Y.B.A./ T.Y.B.A., M.A. F.Y./S.Y./T.Y. B.Sc.(Comp.Sc.) M.CA. F.Y./S.Y./T.Y. B. Sc. (Micro) and F.Y./S.Y./T.Y. B. Sc. (Biotech) XI and XII (all divisions)

Prof. Alhat V.B. Prof. Apte A. S.

During this academic year, the committee has successfully carried out given task. Necessary hall adjustments during guest lectures, campus interviews, functions of various associations ,curricular and extra -curricular activities during CAP progamme were carried out with minimum disturbance to other classes.

The committee takes this opportunity to thank Principal, Vice - Principals, Registrar as well as all teaching and non-teaching staff members for their kind co-operation and help throughout the year 2014-15.

> - Prof. P. S. Kapre Chairman

रॅगिंग प्रतिबंधक समिती

रॅगिंगच्या अप्रिय घटना घड नयेत व विद्यार्थ्यांना अधिक निर्भय वातावरण मिळावे यासाठी आम्ही आमच्या महाविद्यालयामध्ये जाणीवपूर्वक पुढील कार्यवाही केली आहे.

- १) महाविद्यालयात रॅगिंग प्रतिबंधक समिती स्थापन करण्यात आली आहे. प्राध्यापक व विद्यार्थी प्रतिनिधी या समितीचे सदस्य आहेत. त्या विषयीची माहिती विद्यार्थ्यांपर्यंत पोहचविली जाते.
- २) महाविद्यालयात रॅगिंग प्रतिबंधक गस्त पथक निर्माण करण्यात आले आहे. या पथकाचे सदस्य महाविद्यालयात वेळोवेळी गस्त घालतात.

- ३) महाविद्यालयाच्या आवारात एकूण २२ सी.सी.टि.व्ही. कॅमेरे बसविले आहेत. विद्यार्थ्यांना याची जाणीव आहे त्यामुळे योग्य नियंत्रण ठेवता येते.
- ४) महाविद्यालयाच्या माहिती पुस्तकात या विषयी योग्य ती माहिती देण्यात आली आहे. त्यामुळे विद्यार्थ्यांबरोबरच पालकांपर्यंत ही माहिती पोहचते.
- ५) महाविद्यालयातील प्रवेशित विद्यार्थ्यंना सदर अधानियमांची माहिती करून देण्यासाठी अनेक ठिकाणी फलक लावण्यात आले आहेत.

हे सर्व प्रयत्न जाणीवपूर्वक केल्यामुळे महाविद्यालयातील रॅगिंग प्रतिबंधक यंत्रणा अधिक सक्षम झाली आहे. त्यामुळे रॅगिंगची एकही घटना महाविद्यालयात घडलेली नाही.

- डॉ. एन. जे. कुलकणी, उपप्राचार्या

Earn & Learn Scheme

Modern College, Shivajinagar, Pune 5, is the only college, in Pune city and Pune Rural areas, which in last three academic years, more than five Lakh Rupees, spent on Earn and Learn Scheme. In the Academic Year 2014-15, college spent Rs. 8,79,580/ - (Rupees Eight Lakh Seventy Nine thousand, Five hundred and Eighty Rupees) on this, Board of students Welfare Scheme.

Any students from graduate to post graduate section (Arts, Science and Commerce Faculty) can enroll his / her name, in this Earn and Learn Scheme. Students from open and other categories like S.C., S.T., V.J. N.T., orphans and minority, can participate in this scheme, by filling the required form. Preference is given to the very poor, needy, deserving and economically backward students.

The student have to attend their lectures and practicals and in their available time, they can work, for Rs. 30/- per hour, given to them, according to University Rules. Every month amount is deposited, in their accounts by cheque only.

This year, 101 students participated in this scheme and worked in various departments of college like Library, Office, Gymkhana, Zoology, Commerce, Chemistry, Computer Science etc.

Dr. Sudhir Ujlambkar, Students Welfare Officer for 13 years is the Incharge of Earn and Learn Scheme, along with teaching and non-teaching staff members of the college.

On behalf of all committee members, we are thankful, for the continuous help, constant encouragement, through the year given by college Registrar, All Heads of departments, all Vice Principals, Secretary and Principal Dr.R.S. Zunjarrao.

> - Dr. S. K. Ujlambkar Student Welfare Officer

Modern 2014 - 15 + 62

Department of **Physical Education (Junior)**

We are proud to state that 215 players of Junior college participated in team events as well as individual events at the inter school and various levels for the year 2014-15, organized by District sports office & Municipal Corporation.

Team events

Netball Boys team got 1st Place in the inter school District under 19 Championship & the team was selected for Inter Zonal Tournament which was held at Akole (Sangamner). The team got 1st Place in zonal and 3rd place in Inter State championship held at Wardha.

The team members are as follows: Netball Boys (u-19)

- 1) Gaurav Dhore 3) Aniket Mane
- 5) Shubham Yande
- 7) Brijesh Palande

11) Akash Salunke

- 9) Khamkar Manoj
- 2) Aniket Taru 4) Praddyum P Palande 6) Prathamesh Chondhe 8) Shubham Yande 10) Siddhesh Uttarkar 12) Sumeet Waghmode

Volleyball Boys team got 1st Place in the inter school District under 19 Championship and the team was selected for Inter Zonal Tournament which was held at Saswad. The team got 4th place in zonals. Volleyball Boys (u-19)

- .1) Rohit Gaikwad
- 3) Siddhant Shitole
- 5) Brijesh Palande
- 4) Sahil Phadatare 6) Mahesh Giri
- 7) Harshal Shinde
 - 8) Rahul Kasbe

2) Shubham Bargal

- 10) Aditya Zagde
- 11) Parth Abhyankar

Hockey Boys team got 2nd Place in the inter school District under 19 Championship.

Hockey Boys (u-19)

9) Omkar Mane

- 1) Girish Pujari
- 3) Mahesh Jadhav
- 5) Usuf Khan
- 7) Hrushikesh Sarolkar
- 9) Omkar Musale
- 11) Shubham Padalkar
- 16) Omkar Ladkat

Volleyball girls team got 3rd place in inter school District under 19 Championship.

- 3) Manorma Mane
- 2) Nirja Mehendale
- 4) Nikita Kolekar
- 5) Rkshanda Dhhul 7) Suprabha Pujari
- 6) Gauri Waghamare

- 2) Aniket Uttarkar
- 4) Suresh Rathod 6) Abhishekh Gaikwad 8) Sahil Sapkal
- 10) Saurabh Rathod
- 12) Aman Singh

14) Rahul Rasal

- 13) Salim Shaikh

15) Aniket Sapkal

Volley ball girls (U-19)

1) Prajakta Shinde

Baseball boys team got 3rd place in inter school District under 19 Championship.

- Baseball Boys (u-19)
- Rohan Vanjari
 Prashant Shinde
 Omkar Darekar
 Mariappa Chalwadi
- 2) Omkar Darekar
 3) Omkar Pardeshi
 - i 10) Swapanil Jounjale
- 4) Rushikesh Shahane 11) Omkar Patki
- 5) Shivatej Nandedkar 12) Rushikesh Thite
 - dkar 12) Rushikesh Thite 13) Ajinkya Shinde
- 6) Swapnil Kale7) Atul Bhujwa
- 14) Shubham Swami

Individual Achievemnts

- 1. Suprabha Pujari (Lawn Tennis) National held at Karnataka.
- 2. Shubham Yende (Netball) National held at Delhi.
- 3. Pooja Phadke (Netball) National held at Delhi
- Suraj Anpat (Archry) National got 3rd place.held at Ranchi.
- 5. Shubham Todkar (weliting) National got 2nd place. held at Delhi.
- 6. Samartha Haware (Fencing) National held at Jaipur.
- Yusuf Khan (Taikando) National held at Balewadi (Pune).
- 8. Rutuja Mehendale. selected for Rifelshooting national held at Kerala
- 9. Yash Mehendale selected for waterpolo national held at Delhi
- 10. Tanaya Gokhale 12th (Rope mallakkhamb) National got 2nd place. held at Nagpur
- Suraj Anpat of std.12th Div Roll No. has got 1st place in interschool Archari Competition. He got Gold Medal in zonal Leval Compition held at in Aug. 2014. . He got Gold Medal in State Leval Compition held at Solapur in Aug. 2014 and selected for national and got silver medal in nationals.
- Suprabha Pujari of std.12th Div AE Roll No. has got 1st place in interschool lawn tennis Competition. He got Gold Medal in zonal Leval Compition held at Solapur in Aug. 2014. He got Gold Medal in State Leval Compition held at Solapur in Aug. selecte for school Nationals
- Shubham yande of std 11th Div F Roll No. selecte for school nationals netball under 19 team held at Delhi.
- Pooja Phadke of std 12th Div F Roll No. selecte for school nationals netball under 19 team held at Delhi.
- Shubham Todkar of std.12th Div AE Roll No. has got 1st place in interschool weight Lifting Competition. He got Gold Medal in zonal Leval Compition held at Solapur in Aug. 2014. He got Gold Medal in State Leval Compition and 2ND place in Nationals.

- Samartha Hawre of std.11th Div Roll No. has got 1st place in interschool Fencing Competition. He got Gold Medal in zonal Leval Compition held at Solapur in Aug. 2014. He got Gold Medal in State Leval Compition and selected for Nationals.
- Yusuf Khan of std.12THDiv AE Roll No. has got 1st place in interschool Free style wrestling Competition. He got Gold Medal in zonal Leval Compition held at Solapur in Aug. 2014. He got Gold Medal in State Leval Compition and selected for Nationals.
- Rutuja Mehendale. selected for Rifelshooting national held at KERALA
- Yash Mehendale.selected for waterpolo national held at DELHI
- Tanaya Gokhale 12th (Rope mallakkhamb) National got 2nd place. held at NAGPUR

State level Players 2014-15

- Suraj Vidhate12th (Boxing) participation held at Chandrapur.
- Minakshi Shirde 12th (Fencing) participate in Inter state championship held at (Solapur).
- Aboli Balwadkar 12th (Fencing) participate in Inter state championship held at (solapur)
- Aditya Jadhav 12th (Fencing) participate in Inter state championship held at (solapur)

District 2014-15

Taekwando

- 1. Suresh Rathod (Silver), 2. Suleman Shekh (Silver) Kik Boxing
- 1. Yusuf Khan (Gold), 2. Suraj Vidhate (Gold) Chaikwando
- 1. Yusuf Khan (Silver), 2. Suresh Rathod(Gold) Karate
- 1. Suresh Rathod(Gold), 2. Yusuf Khan (Gold)
- 3. Rishikesh Jagatap (Gold)
- Shikai Marshal Arts
- 1. Suresh Rathod(Gold)
- 2. Yusuf Khan (Gold)
- 3. Rishikesh Jagatap (Gold)
- Tradional Wrestling
- 1. Yusuf Khan (Gold)

Fencing School Level

- 1. Minakshi Shirde 12th (Gold) Foil
- 2. Samartha Haware 11th (Gold) Seber, EP
- 3. Aboli Balwadkar 12th (Silver) Seber
- 4. Aditya Jadhav 12th (Bronze) Seber
- 5. Apoorva Chavan 12th (Bronze) EP

Swimming

- 1. Harshal Kulkarni 12th (Bronze) 50 mtr
- 2. Shreya Kamlapurkar 12th (Bronze) 50 mtr Hockey
- 1. Aniket Sapkal 12th (Zonal) Participation

Sports Scholarship 2014-15

1 Yusuf Khan - Kick Boxing - District - 12th 2 Minakshi Shinde - Fencing - District - 12th 3 Apurva Chavan - Fencing - District - 12th 4 Manoj Khamkar - Netball - District - 12th 5 Vivek Nagawade - Netball - District - 12th 6 Sidhesh Uttarkar - Netball - District - 12th 7 Akash Salunkhe - Netball - District - 12th 8 Aniket Taru - Netball - District - 12th 9 Suyog Babar - Archery - District - 12th 10 Aditya Jadhav - Fencing - State - 12th 11 Tanaya Gokhale - Rope Mall - State - 12th 12 Aboli Balwadkar - Fencing - State - 12th 13 Suraj Vidhate - Boxing - State - 12th 14 Harshal Kulkarni - Swimming - State - 12th 15 Shubham Todkar- Weight Lifting - State - 12th 16 Rohit Gaikwad - Volleyball - State - 11th 17 Sumit Waghmode - Throw Ball - State - 12th 18 Gaurav Dhore - Netball - State - 12th 19 Samrudhi Dabhade - Fencing - State - 12th 20 Suprabha Pujari- Lawn Tennis - National - 12th 21 Suraj Anpat - Archery - National - 12th 22 Amruta Munj - Kayaking - National - 12th

Prof. D.S. KuteProf. S.S.BhondaveTeacher inTeacher inPhysical EducationPhysical EducationProf. P.S. Dixit.Chairman (G.M.C).

Department of Physical Education (Senior)

Departmental Activities

Intercollegiate Participation

- Department has participated in 27 disciplines i.e. Badminton, Chess, Cross Country, Shooting, Swimming; Ball Badminton, Baseball, Basketball, Cricket, Cycling, wrestling, Kabaddi, Football, Handball, Volleyball, Hockey, Judo, Boxing, Softball, Pw Lifting, Best Physique, Athletics, Kho-Kho, Lawn Tennis, Table Tennis, Fencing and Netball Competitions. Similarly college has participated in various Invitational Intercollegiate Competitions.
- College has secured 1st place in Kho-Kho (M), Baseball(M), Netball (M), Netball (W) Cricket(W), Volleyball (M), Second Place in Handball (M), Kho-Kho (W), Softball (M), Cross country(M), 4x400relay(M) and Third place in Ball Badminton (M), Volleyball (W), and Handball (W), Hockey (W), 4x400relay(W).
- College Students have also bagged various medals in individual events.

Details are as follows:

1st Place: Judo (1), Shooting (1), Wrestling (1), Athletics (2), Discuss & Hammer Throw.

2nd Place: Boxing (2), Athletics (4) Discuss Throw, 5000 M, 800m 1500m

3rd Place: Athletics (2), 5000 M, 400m, Wrestling(1) Details of the participation is are follows,

Level of Participation	Part.	Bronze	Silver	Gold
District/Intercollegiate	251	35	33	69
Intercollegiate (Individual)	75	3	7	5
State/Interzonal/Ashwmed	71	19	19	22
National	23	3	-	2
Grand Total	359	50	72	97
Emente Ourreningtion				

Sports OrganizationIntercollegiate Netball

Netball competition was organized on 22nd December 2014. Modern College, Shivajinagar, Pune-05, lifted the championship trophy proudly. Tournament was inaugurated at the hands of our Principal Dr. R.S. Zunjarrao.

Intercollegiate Cycling

Intercollegiate Cycling competitions were organized by our college at Shiv Chhatrapati Stadium, Balewadi on 3rd September 2014. 30 players from different colleges from Pune city participated in the track and road events. Mrs. Deepali Nikam, National cycling player and Coach, inaugurated the event.

• Intercollegiate Handball (M/W)

Intercollegiate Handball (M/W) event was organized during 15th September 2014. 8 men's teams and 4 women's team from Pune City participated in this event. Principal Dr. Rajendra Zunjarrao inaugurated the event.

• Intercollegiate Baseball (M/W)

Intercollegiate Baseball (M/W) event was organized during 11th to 12th September 2014. various teams from Pune City participated in this event. Principal Dr. Rajendra Zunjarrao inaugurated the event.

• Interzonal Baseball (M)

Interzonal Baseball (M) tournament was organized by our college on 17th and 18th September 2014. The tournament was inaugurated by BMCC Principal Dr. Raval. Four teams from Pune University i.e. Pune City, Pune District, Ahemadnagar and Nashik participated.

Interzonal Cycling

Interzonal Cycling competitions were organized by our college at Shiv Chhatrapati Stadium, Balewadi on 8th October 2014.Four teams from Pune University i.e. Pune City, Pune District, Ahemadnagar and Nashik participated in the track events. Dr. Rajendra Zunjarrao, Principal

of Modern college, shivajinagar & Dr. Deepak Mane, Director of sports, Pune University inaugurated the event.

Interzonal Badminton

Interzonal Badminton tournament was organized by our college on 10th and 11th November 2014. Chief Guest for the opening ceremony & the tournament was inaugurated by Principal Dr. R.S. Zunjarrao. Four Teams from Pune University i.e. Pune City, Pune District, Ahemadnagar and Nashik participated.

. Modern Harmony 2014-15

Modern Harmony Sports Festival was organized from 25th January 2014 to 12th February. Festival started on 12th January 2015 with Volleyball, Five-a-Side Football and Best Physique competitions were organized in this festival.

 Late. Shankarrao Kanitkar Sports Festival 2014-15

Late. Shankarrao Kanitkar Sports Festival was organized from 3rd march 2015. Our College Players Participated and the result were as follows: 1st Place Football (M) & Staff member also participated and the result were as follows : Winner: Dodge ball, Throw ball (Women), Cricket (Men) Runner-up: Volleyball (Men)

Sports Scholarship

This year following National players received the Sports Scholarship;

- Vaishnavi Joshi, F.Y.B.Com. Judo National
- Neha Lonari, F.Y.B.SC Netball National-
- 3 Dnyaneshwari Gandekar, F.Y.B.SC Netball -National
- Pooja Shitole, F.Y.B.CS Netball National 4
- 5 Deepika Jambukar, T.Y.B.Com.-Cycling-National
- 6 Supriya Borchate, S.Y.B.A. Shooting National
- Shamrao'Daundkar, MA-I Athletics National 7
- Tejal Sonawane, F.Y.B.A. Wrestling National 8
- 9 Swapnil Jarande, S.Y.B.Com. Netball All India Inter University
- 10 Siddhi Bhaip, S.Y.BSC Shooting All India Inter University
- 11 Atul Daundkar, M.B.Com. II Netball All India Inter University
- 12 Trunal Dhadge, M.B.Com. II Netball All India Inter University
- 13 Kirti Kadam, M.B.Com.II-Kho-Kho-Ashwamedh
- 14 Akash Zambre, M.A. I Handball All India Inter University
- 15 Dipali Gaikwad, M.A. I Kho-Kho All India Inter University
- 16 Swapnil Gulani, S.Y.BSC Baseball State
- 17 Nale Vishal, F.Y.B.Com. Ball Badminton State

- 18 Sayali Jagtap, F.Y.B.Com. Kho-Kho State
- 19 Ranjeet Devkar, M.Com. I Tug of War State
- 20 Vaibhav Balwadkar, T.Y.BCA Baseball State 21 Sahil Bagwan, M.Com. I - Baseball - State
- 22 Karishma Mankar, T.Y.BCA Boxing State
- 23 Amar Jadhav, F.Y.B.Com. Kho-Kho District 24 Vickey Choudhari, T.Y.BCA - Cycling - District
- Annual Prize Distribution "Gymkhana Day"

Annual Prize distribution i.e. "Gymkhana Day" was celebrated on 28th February 2015. Our college Alumni Shri. Shrirang Inamdar, Arjun Award, Dadoji Konddev & Chatrapati Award winner Kho-Kho Player are the chief guests, Dr. Gajanan Ekbote, Chairman, P. E. Society, presided of the function & Guest of honour Prof. Shamkant Deshmukh, Secretary, P.E. Society, Prof. Jyotsna Ekbote Joint Secretary, P. E. Society, Mrs. Kshipra Inamdar, Mrs.Shobha Nikam, Head Mistress of P.E.S. Girls High School, Rastrapati Award winner. The prizes were distributed to the following players.

National and University Level Performance:

- 1 Gandekar Dnyaneshwari Vinayak, F.Y.B Sc Netball - Inter collegiate - winner, National - Participation. Handball - Inter collegiate 3rd Place, Inter Zonal - winner
- 2 Jambukar Deepika, T.Y.B.Com. Cycling - All India University - Participation National - Participation National games - Participation
- 3 Supriya Kedari Borchate, SYBA Rifle - Intercollegiate - Winner Shooting - Inter Zonal - 4th National - 4th National - 2 Gold State - Jr.4th & Sr.9th
- All India University Participation 4 Sonawane Tejal Ankush, F.Y.B.A. Wrestling - Inter Zonal - Gold, State - Gold, National - Bronze Medal, National - 4th Rank, National - 4th Rank, National - Participation, All India University - Participation
- Nale Vishal Dada, F.Y.BA 5 Handball - Inter collegiate - Runner Up Ball Badminton - Inter collegiate - 3rd Place Inter Zonal - Runner Up, State - Runner Up, National - 3rd Place, All India University -Participation, National - star of India
- 6 Shitole Pooja Prakash, F.Y.B.Sc. Handball - Inter collegiate - 3rd Place, Inter Zonal - winner, University - Participation Netball - Inter collegiate - winner, State winner, Inter Zonal - Runner Up, National - Participation. Football - P.E.Society - Runner Up

- 7 Shamrao Daundkar Athletics - All India University - participation, Ashwmedh - gold - Inter Zonal - 2 silver
- 8 Joshi Vaishnavi Manohar, F.Y.B.Com. Judo - University - Selection, Inter Zonal - winner, State - Gold
- 9 Bagvan Sahil Sadik, M Com-I Baseball - Inter Zonal - 3rd Place, Softball - national - 3rd Place Baseball - Inter collegiate - winner Cricket - Inter Collegiate - Participation Kho-Kho - Inter collegiate - winner Soft-Ball - Inter collegiate - Runner Up
- 10 Akash Bharat Zambare, M.A.-I Handball - National - Participation, University Participation - Inter Zonal - Winner, Intercollegiate - Runner Up Ball Badminton - Intercollegiate - 3rd Place Cross Country - Intercollegiate - Runner Up
- 11 Balwadkar Vaibhav Ravindra, T.Y.BBA Baseball - Inter collegiate - winner Soft-Ball - Inter collegiate - Runner Up Baseball - All India University - Participation Softball - All India University - Participation
- 12 Kadam Tejashri Bapusaheb, S.Y.B.Com. Cricket - Inter collegiate - winner, All India University - Participation, Inter Zonal - Winner Athletics (relay) - Inter collegiate - 3rd Place
- 13 Bhaip Siddhi Suresh S.Y.B.Sc Shooting - Inter Collegiate - 4th Rank, Inter Zonal -Participation, National - Participation
- 14 Deokar Ranjit Shankar, M Com-I Baseball - All India University - Participation Kabaddi - All India University - 3rd Place Baseball - Inter collegiate - winner Soft-Ball - Inter collegiate - Runner Up, Inter Zonal - winner
- 15 Swapnil Jarande, S.Y.B.Com. Baseball - All India University - Participation Softball - All India University - Participation Netball - Inter Zonal - Participation
- 16 Lonari Neha Rajendra, F.Y.B.Sc. Netball - Inter collegiate - winner, State winner (Nagpur) Netball - State - winner (Satara), Netball - National - Participation
- 17 Mankar Karishma, T.Y.BCA Boxing - Inter Zonal - Runner Up, National - Participation
- 18 Pokale Sangram, F.Y.B.A. Hockey - WZ inter university - Participation, Inter Zonal - winner
- 19 Mayur Pravin Patil, FYBA Hockey - National - Participation

- 20 Lonkar Sayali Anil, F.Y.B.Sc. Cricket - Inter collegiate - winner, Inter Zonal Winner, Inter university - Participation
- 21 Jagtap Sayali Ravindra, F.Y.B.Com. Kho-Kho - All India University - Participate, West zone - Runner Up, Kho-Kho Ashwamedh - 3rd place, State - Participation 4 x 400 Relay - Inter collegiate - 3rd Place
- 22 Jadhav Shraddha Ramchandra, F.Y.B.Com.
 22 Kho-Kho All India University Participate,
 West zone Runner Up, Ashwamedh 3rd place,
 Intercollegiate Runner Up
 Athletics (relay) Inter collegiate 3rd Place
- Inter zonal level/ state
- 1 Gulhane Swapnil Shriram, S.Y.B.Sc. Baseball - State - Participation Softball - State - Winner
- 2 Gaurav Sampat Karke, F.Y.B.Com. Kho-Kho - District - 4th, Intercollegiate - Winner, Kho-Kho - State - 4th
- 3 Gunjal Aniket Vittal, S.Y.B.Sc. Kho-Kho - Inter collegiate - winner Baseball - Inter collegiate - winner Soft-Ball - Inter collegiate - Runner Up, State - Participation
- 4 Jathar Sagar Bhaurao, S.Y.B.Sc. Baseball - Inter collegiate - winner Soft-Ball - Inter collegiate - Runner Up Baseball - State - Participation Softball - Inter Zonal - Winner
- 5 Priya Vijay Patil, SYBA
 Volleyball Intercollegiate 3rd Place, Inter Zonal
 Winner Volleyball State Participation
 Volleyball State Runner Up
- 6 Shubham Rajesh Bhuval, F.Y.B.Com. Kho-Kho-State - Winner, Intercollegiate - Winner
- 7 Waghare Avinash Vasant, T.Y.B.A. Softball - State - Participation
- 8 Zarekar Pranav Prakash, T.Y.B.Com. Kho-Kho - Inter collegiate - winner, Inter Zonal - Runner Up
- 9 Yelwande Swapnil Baban, MA-I Netball - Inter collegiate - winner Handball - Inter collegiate - Runner Up Netball - Inter Zonal - Runner Up
- 10 Wable Komal Dilip, F.Y.B.Sc. Cricket - Inter collegiate - winner Cricket - Inter Zonal - winner
- 11 Supriya Sunil Gore, F.Y.B.Com. Netball - Intercollegiate - Winner Netball - Inter Zonal - 3rd Place
- 12 Panse Kalyani Kiran, F.Y.B.Com. Cricket - Inter collegiate - winner, Inter Zonal - winner

- 13 Palve Sonali Kailas, F.Y.B.Com. Netball - Inter collegiate - winner Handball - Intercollegiate - 3rd Place Netball - Inter Zonal - 3rd Place
- 14 Neha Pawar, SYB.Sc. Hockey - Intercollegiate - 3rd Place, Inter Zonal - 3rd Place
- 15 Minal Shukla, SYB.Sc. Hockey - Intercollegiate - 3rd Place, Inter Zonal - Participation
- 16 Sonawane Pradnya Sunil, S.Y.B.Com. Cricket - Inter collegiate - winner, Inter Zonal - winner
- 17 Kaveri Balasaheb Ranpise, F.Y.B.Com. Kho-Kho - Inter collegiate - Runner Up, Inter Zonal - Runner Up
- 18 Jadhav Tushar Shashikant, M.A. Volleyball - Inter Zonal - Participation, Inter collegiate - winner
- 19 Inamdar Niraj Pravin, S.Y.B.Com. Kho-Kho - Inter collegiate - winner Inter Zonal - Runner Up
- 20 Dhadge Trunal Sudam, M.Com-2 Netball - Inter collegiate - winner Handball - Inter collegiate - Runner Up Ball Badminton - Inter collegiate - 3rd Place Netball - Inter Zonal - Runner Up
- 21 Daundkar Atul Vilas, M. Com.-2 Netball - Inter collegiate - winner Handball - Inter collegiate - Runner Up Netball - Inter Zonal - Runner Up
- 22 Choudhary Vickey, T.Y.BCA Cycling - Inter Zonal - Participation Cross Country - Inter Collegiate - Participation
- 23 Borade Renuka Subhash, F.Y.B.Com. Netball - Inter collegiate - winner Handball - Inter collegiate - 3rd Place Handball - Inter Zonal - Winner
- 24 Bhutada Nidhi Balmukund, T.Y. B.Com. Volley Ball - Inter collegiate - 3rd Place Volleyball - Inter Zonal - Winner
- 25 Barsawade Manisha Shriram, S.Y.B.Com. Kho-Kho - Inter collegiate - Runner Up, Inter Zonal - Runner Up 4 x 400 Relay - Inter collegiate - 3rd Place
- 26 Aswain Kumar, T.Y.BCA Boxing - Inter Zonal - Participation
- 27 Pathan Vasim
- Athletics (relay) Inter collegiate 2nd 28 Ambre Akshaya Vijay, FYBCA Hammer throw - Intercollegiate - Winner, Inter Zonal - Runner Up Handball - Intercollegiate - 3rd Place
- 29 Amar Sakharam Jadhav, F.Y.B.A. Kho-Kho - Intercollegiate - winner Kho-Kho - Inter Zonal - Runner-up

- 30 Gaikwad Deepali Ravsaheb, M.A.-I.Mar Kho-Kho - Inter collegiate - Runner Up Kho-Kho - Inter Zonal - Runner Up
- 31 Akshay Walmiki, S.Y.B. Com. (b) Body building - Intercollegiate - Runner Up Body building - Inter Zonal - 4th
- 32 Swapnil Dhone, F.Y.B.A. Wrestling - Intercollegiate - 3rd Place F.Y.B.A. - inter zonal - 2nd
- 33 Rokade Prafull Arun, M.COM-1 Netball - Inter collegiate - winner Handball - Inter collegiate - Runner Up Netball - Inter Zonal - Runner Up
- 34 Vishal Bhadouriya shooting - Mational - Participation
 35 Yedav Anush, F.Y.B.Com.
- State Participation
- 36 Swapnil Kuchekar hockey - inter zonal - winner
- 37 Vijay Kamble, F.Y.B.Com. Athletics (10,000m) p - Inter Zonal - participate
- 38 Sagar Sopan Gondhe, F.Y.B.A. Judo - Inter Zonal - participate
- 39 Harugade Harshad Hindurao, F.Y.BA Handball - Inter collegiate - Runner Up
- 40 Pranay Ambure, T.Y.B.Com. Cycling - Inter Zonal - participate
- Inter Collegiate
- 1 Bobade Ashish Ashok, S.Y.B.Com. Volley Ball - Inter collegiate - winner
- 2 Chandane Shreepad Mahendra, T.Y.B.Com. Volley Ball - Inter collegiate - winner
- 3 Chandekar Saloni Sanjay, S.Y.B.Com. Netball - Inter collegiate - winner Handball - Inter collegiate - 3rd Place
- 4 Dalvi Pratik Sudhakar, F.Y.B.Sc. Kho-Kho - Inter collegiate - winner
- 5 Dhawane Amol Rohidas, M-Com I Netball - Inter collegiate - winner Soft-Ball - Inter collegiate - Runner Up
- 6 Dhere Bajrang Annasaheb, S.Y.B.Sc. Baseball - Inter collegiate - winner Soft-Ball - Inter collegiate - Runner Up
- 7 Gaikwad Manish Narayan, T.Y.BBA Baseball - Inter collegiate - winner Soft-Ball - Inter collegiate - Runner Up
- 8 Garima Vivek Motadoo, F.Y.B.B.A. Cricket - Intercollegiate - Winner
- 9 Jagpat Rutuja Umrao, F.Y.B.Sc. Hockey - Inter collegiate - 3rd Place Cricket - Inter Collegiate - winner
- 10 Joshi Aditya Deepak, T.Y.BSc. Baseball - Inter collegiate - winner Soft-Ball - Inter collegiate - Runner Up

- 11 Joshi Ketan Gangaram, S.Y.B.C.A Kho-Kho - Inter collegiate - winner Kadam Pranali Chandrakant, F.Y.B.Sc. Cricket - Inter collegiate - winner
- 12 Kasurde Vijaya Ramesh, FYBSC Cricket - Intercollegiate - Winner
- 13 Kokate Neha Vilas, F.Y.B.Sc. Cricket - Inter collegiate - winner
- 14 Kolape Pooja Santaram, F.Y.B.Sc. Cricket - Inter collegiate - winner
- 15 Kotalkar Omkar Sanjay, T.Y.B.Com. Baseball - Inter collegiate - winner
- 16 Lade Harshada Ravindra, F.Y.B.Sc. Cricket - Inter collegiate - winner
- 17 Mane Vinayak Rajesh, F.Y.B.Com. Volley Ball - Inter collegiate - winner
- 18 More Omkar Rajendra, S.Y.B.Com. Netball - Inter collegiate - winner
- 19 Motadoo Garima Vivek, F.Y.B.B.A. Cricket - Inter collegiate - winner
- 20 Moynak Rushikesh Mohan, F.Y.B.Sc. Baseball - Inter collegiate - winner Soft-Ball - Inter collegiate - Runner Up
- 21 Nayakawadi Rahul Prabhu, S.Y.BSc. Kho-Kho - Inter collegiate - winner
- 22 Palekar Niraj Shreenath, F.Y.B.Com. Volley Ball - Inter collegiate - winner
- 23 Parkhe Laxman Shankar, F.Y.BA Volley Ball - Inter collegiate - winner
- 24 Rakshe Yuvraj Chandrakant, T.Y.BBA Baseball - Inter collegiate - winner
- 25 Rane Prathmesh Subhash, F.Y.B.Com. Kho-Kho - Inter collegiate - winner
- 26 Raut Kishor Ramesh, S.Y.B.Sc. Kho-Kho - Inter collegiate - winner
- 27 Sakare Gayatri Ashok, F.Y.B.A. Cricket - Inter Collegiate - winner
- 28 Salvekar Shraddha Mahendra, F.Y.B.Sc. Cricket - Inter collegiate - winner
- 29 Sapkal Abhijit Popatrao, MSC-I Kho-Kho - Intercollegiate - Winner
- 30 Shinde Prashant Shivaji, M.Com.-1 Volley Ball - Inter collegiate - winner
- 31 Shinde Sachin Bhanudas, T.Y.B.Com. Netball - Inter collegiate - winner Ball Badminton - Inter collegiate - 3rd Place
- 32 Shrutika Vijay Wakhare, FYBA Cricket - Intercollegiate - Winner
- 33 Sonawane Harshad Sanjay, S.Y.B.Com. Volley Ball - Inter collegiate - winner
- 34 Takalkar akshay Ashok, S.Y.B.Com. Netball - Inter collegiate - winner
- 35 Tambe Sandip Shivaji, Msc-2 Kho-Kho - Inter collegiate - winner

- 36 Taru Sayali Anil, F.Y.B.Sc. Cricket - Inter collegiate - winner
- 37 Thombare Kalpesh Kaviraj, T.Y.BBA Baseball - Inter collegiate - winner Softball - Inter Collegiate - Runner Up
- 38 Triveni Vasant Londhe, SYB.Sc. Netball - Intercollegiate - Winner
- 39 Turkunde Keshav Bhausaheb, S.Y.B.A. Kho-Kho - Inter collegiate - winner
- 40 Walmiki Bindiya Naresh, T.Y.B.Com. Netball - Inter collegiate - winner
- 41 Varal Tushar Bhiva, T.Y.B.Com. Softball - Intercollegiate - Runner Up
- 42 Shendge Subhangee Suresh, S.Y.B.Com. Kho-Kho - Inter collegiate - Runner Up
- 43 Shelar Jayashree Dnyaneshwar, F.Y.B.C.A Kho-Kho - Inter collegiate - Runner Up
- 44 Otari Sunayana Shashikant, F.Y.B.Com. Kho-Kho - Inter collegiate - Runner Up
- 45 Lonari Kalyani Uttam, T.Y.B.Com. Kho-Kho - Inter collegiate - Runner Up
- 46 Khanbhai Saddam Imam, S.Y.B.Com. Handball - Inter collegiate - Runner Up
- 47 Kadam Kirti Ashok, Mcom-II Kho-Kho - Inter Collegiate - Runner Up
- 48 Ghundare Anjali Dattatray, S.Y.B.Com. Kho-Kho - Inter collegiate - Runner Up
- 49 Dhafal Dipali Sadashiv, T.Y.B.Com. Kho-Kho - Inter collegiate - Runner Up
- 50 Chavan Pruthviraj Nagnath, S.Y.B.A. Handball - Inter collegiate - Runner Up
- 51 Chaupale Ketan Vishwanath, F.Y.B.Com. Handball - Inter collegiate - Runner Up
- 52 Bandgar Tejashri Dashrath, F.Y.B.A. Volleyball - Intercollegiate - Runner-up
- 53 Kumar Pradeep Bijender, S.Y.B.Com. Athletics (5000 m) - Intercollegiate - 3rd Place
- 54 Krishnan Saumya, F.Y.B.Sc. Athletics (4 x 400 m) - Intercollegiate - Runnerup Hockey - Inter collegiate - 3rd Place
- 55 Ashwini Manoharan, F.Y.BA. Volleyball - Intercollegiate - 3rd Place
- 56 Benn Jonathan Gidion, T.Y.B.A. Ball Badminton - Inter collegiate - 3rd Place
- 57 Chejara Mamta, S.Y.B.Sc. Hockey Inter collegiate - 3rd Place
- 58 Gadkar Komal Vilas, S.Y.B.Sc. Hockey - Inter collegiate - 3rd Place
- 59 Gauri Nimbalkar, F.Y.B.Com. Volleyball - Intercollegiate - 3rd Place
- 60 Jambhulkar Kartiki Kashinath, F.Y.BCS Hockey - Intercollegiate - 3rd Place
- 61 Kalyani Bapusaheb Mahadik, T.Y.B.A. Volleyball - Intercollegiate - 3rd Place

- 62 Kanhurkar Sudha Sudam S.Y.B.Sc. Hockey - Inter collegiate - 3rd Place
- 63 Karde Namrata Rajendra, T.Y.B.Com. Volley Ball - Inter collegiate - 3rd Place
- 64 Kate Pooja Satish, T.Y.B.Com. Volley Ball - Inter collegiate - 3rd Place
- 65 Nair Arya, S.Y.B.Sc. Hockey - Inter collegiate - 3rd Place
- 66 Nimbalkar Ashlesha Satish, S.Y.B.Sc. Hockey - Inter collegiate - 3rd Place
- 67 Patil Priya Vijay, S.Y.B.A. Volley Ball - Inter collegiate - 3rd Place
- 68 Sapate Neha Dilip, T.Y.B.Sc. Handball - Inter collegiate - 3rd Place
- 69 Sharma Deepti Santosh, F.Y.BSC Handball - Intercollegiate - 3rd Place
- 70 Shingare Anjali Shankar, S.Y.B.Sc. Hockey - Inter collegiate - 3rd Place
- 71 Shirsath Kiran Balkrishna, S.Y.Bcom Hockey Inter collegiate - 3rd Place
- 72 Sinduja K. P., SYBSC
 - Hockey Intercollegiate 3rd Place

Interclass Competitions

Interclass competitions for the promotion of the certain games and entertainment purpose were organized from 15th December 2014 to 22nd December 2014. Football, Basketball, Volleyball, Badminton, Table Tennis and Chess were the events organized during this period.

Team Event Performance

Volleyball - Winner team -

Vaibhav Balwadkar, Kalpesh Thombre, Uday Arekar,Suyog Bongre, Yuvraj Rakshe - all from T.Y.B.B.A. and Shubham Taru - 12th C.

Volleyball- Runner up team

Shubham, Bargal, Siddhant Shitole, Pavan Bharambe, Sanket Kamble, Nikhil Jadhav - all from 12th C and Monish Gaikwad, Mitesh Morne - from T.Y.B.B.A.

Football - Winner team

Sumeet Bhandari, Daksh Piwal, Umang Shah, Pranav Shetty, Deepak Jadhav, Akshay Walmiki all from S.Y.B.Com. (WCBS)

Football - Runner up team

Akshay Rathod, Satyam Chavan, Yusuf Khan, Rahul Pasalkar, Saurabh Thombre, Rutvik Mudikeri, Saleem Shaikh, Aman Singh, Saurabh Waydonde all from 12th AE

Basketball - Runner up team

Pratik Pardeshi, Swapnil Jarande, Pruthviraj Falke, Niraj Inamdar, Saurabh Kadam, Amit Rakshe - all from S.Y.B.Com. B

Basketball - winner team

Akshay Takalkar, Saddam Khanbhai, Omkar More, Ashutosh Gaikwadm, Akshay Mhetre, Nilesh Mane Vipin Gupta, Nikhil Jog S.Y.B.Com. A

Individual Event Prize winner

- 1 Anush Yadav F.Y.B.Com.(D) Badminton (M)
- 2 Brijish Mota F.Y.BBA (A) -
- 3 Atharva Watave 11th Arts (AE)
- 1 Rutuja Kute F.Y.B.Com.(A) Badminton (W)
- 2 Mugdha Pandhye M.A. I

3 Amruta Ainapure 11th Arts (AE)

1 Dipankar Kamble M.Com. II

Chess

Omkar Marathe - S.Y.B.C.S. (A)

Saurabh Parmar - F.Y.B.S.C.(A)

Sushrut Parchure - 12th Com. (A)

Table Tennis

Kedar Shinde - F.Y.B.C.S. (A)

Brijesh Mota - F.Y.B.B.A. (A)

Hockey League (M/W) - Our College organized Hockey League for. Students from Junior And Senior wings (M/W) were played and organized the events together. six teams each containing at least Six players from Junior And Senior wings each played for their respective teams.

Hockey league (M) - Winner Team

Aniket Sakpal, Rahul Rasala, Sahil Sakpal, Omkar Shirke, Salim Shaikh, Suresh Rathod

Hockey league (W) - Winner Team

Saumya Krishnan, Komal Gadkar, Kiran shirsath, Shubhda, Salomi Chandekar

Runner Up Team - Hockey (M)

Sangram Pokale, Mayur Shirurkar, Saurabh Thombare, Mayur Patil, Prasad Palande

Runner Up Team - Hockey (W)

Sudha Kanhurkar, Ankita Gavli, Anju Yadav, Pooja Shitole, Mamta Chejara

Coaching Camp and work shop

College organized special coaching camps for football to enhance the skill and strategic development of the players. These efforts gave results by placing college teams in good position in Intercollegiate Competitions. We also organized Baseball hitting skill workshop to enhance the batting skill and development of the players.

> Prof. Pratima Lonari Director of Physical Education Prof.Vikram Phale Director of Physical Education Prof. P. G. Dixit Chairman GMC

International Students Cell

Taking cognizance of the increasing number of International Students at Modern College of Arts, Science and Commerce, and their cultural differences with the local students, Dr. R.S. Zunjarrao, Principal, Modern College of Arts, Science and Commerce mooted the idea of an International Students Cell (ISC) at the college. The ISC would be entrusted with the welfare of the international students, and would assist the students to adjust to their new educational environment. The objective was to pave the way for international students to find a foothold in the Indian educational setup while also acting as a catalyst between the faculty members and the international students.

Accordingly an empowered ISC committee was constituted by Dr. R.S. Zunjarrao, Principal, with himself as the Advisor and Prof S.S. Deshmukh, Vice-Principal and Secretary, PES as the Director. Prof M.D. Waghmare, Vice-Principal and Dr. M.M. Satam, HOD-Dept. of Economics were appointed as the Chairperson and Vice-Chairperson respectively. Prof Sangita Sarma from the Dept of English was appointed as the Coordinator of the committee. The committee was further strengthened with several senior faculty members joining the committee and sharing their cumulative experiences as members.

The International Students Cell organized an International Students Festival on January 21, 2015. Focussing on the theme of 'Unity and Brotherhood for Peace', the event aimed at promoting the spirit of brotherhood among the International and the local student community in order to arrive at a common understanding of each other's cultures. It sought to introduce the local student community to the different cultures of the countries represented by the International Students Community currently studying at Modern College of Arts, Science and Commerce in different streams.

The International Students Festival was inaugurated by Dr. Vijay Khare, Director, Indian Council for Cultural Relations (ICCR), Pune Chief guest on the occasion. Also present on the occasion were Dr. R.S. Zunjarrao, Principal, Prof. S.S. Deshmukh, Vice-Principal & Secretary, PES Dr. Nayana Kulkarni, Vice-Principal, Prof Y.R. Waghmare, Vice-Principal, Prof M.D. Waghmare, Prof S.R. Chaudhary, Vice-Principal and other senior officials of Progressive Education Society along with faculty members and students.

In his inaugural talk, Dr Vijay Khare lauded the efforts of the Modern College of Arts, Science and Commerce and the International Students Cell in taking a proactive step towards bringing the international students and the local student community together. He stated that such events were the need of the hour to make the International students community feel at home in India as well as acquaint them to the Indian culture and traditions. This would certainly have a long term effect in not only creating a positive image of the college, but also the whole nation as a hub of quality education. He hoped that the population of the International student community would continue to grow through each academic year.

Around 64 International students from Modern College of Arts, Science and Commerce participated in the programme. The program featured a series of performances and presentations prepared by the international students representing their home nations like Afghanistan, Japan, Bangladesh, Cambodia, Iraq, Mauritius, Mozambique, and so on. While the presentations provided an insight into the life and culture of their home nations, the performances had the audience enthralled with their dexterity and brilliance. Over all, the event was a huge success among the audience who added a new leaf of learning in their lives.

Earlier, the ISC also played an active role in assisting the International students from Modern College of Arts, Science and Commerce to participate in the International Food and Cultural Festival organized by the Indian Council for Cultural Relations (ICCR) - Pune Office, SPPU at Phoenix Market City, Pune during November 2014. The ISC was also instrumental in disseminating information about the yearly winter camps organized by the Indian Council for Cultural Relations (ICCR) during December 2014 - January 2015, to its International students thereby facilitating their participation in the camps organized across different parts of India. - **Prof. Sangita Sarma**

Coordinator

Skill Development Workshops

Our college has way back taken initiative in organizing and conducting Skill development training workshops for students and sometimes also for general citizens.

As a result of this various courses have been designed and materialized by a few departments. A brief account of such courses/workshops conducted

this year have been compiled and reported here. Certificate Course in German level 1 & level 2

Total batches conducted: Two

Strength of each batch: Level 1: 18, Level 2: 7 After the completion of this course students appeared for the internationally recognized A1 and

A2 examinations conducted by Goethe Institute. Its result is 99%.

Dept. of German - Coordinator : Prof.Mrs. Kuvalekar. **Computerized Financial Accounting Program** (Tally ERP 9)

Total batches conducted: Two

Total Number of student Participated: 44

Dept. of Commerce - Coordinator : Prof. Moreshwar

Certificate Course in Plant tissue Culture

Total batches conducted: Three

Strength of each batch: 12

Dept. of Botany & MCCG - Coordinator Dr. Gopale. **Certificate Course in Plant tissue Culture** Total batches conducted: Three

Strength of each batch: 12

Department of Botany - Coordinator was Dr. Wayase Seed Technology

Total batches conducted: One

Strength of the batch: 25

It is a practical based course which involves various aspects of seed technology, such as seed testing, seed biochemistry, seed biotechnology and plant breeding.

Dept. of Botany - Coordinator : Prof. Mrs.Arti Goggi and Assistant Coordinator Prof.Mrs.Aditi Kulkarni. Integrated Vermitechnology Training Course (IVTC)

Total batches conducted: One

Strength of the batch: 23

It primarily imparts practical knowledge about management of wet waste at domestic level as well as at large scale.

Dept. of Zoology in collaboration with Institute of Natural Organic Agriculture (INORA), Pune and Praj Foundation conducts this course.

Coordinator : Mr. Narendra M. Naidu and Assistant Coordinator was Prof.Bharat T.Kalbage.

Special workshop on Microscopy

Total batches conducted: Two

Strength of the October 2014 batch: 32

Strength of the February 2015 batch: 34

These Special intensive workshops on Microscopy were conducted by Department of Zoology in collaboration with Department of Zoology, SPPU. This activity was held under the DBT Star College Scheme, New Delhi.

Dr.P.S.Kudnar was the Coordinator of these Handson -Training workshops.

Certificate course in Animal Tissue Culture Total batches conducted: Three

Strength of each batch: 12

Dept. of Biotechnology - Coordinator Dr. Puranik. Soft skills Development Workshop Total batches conducted: One Strength of the batch: 100

Dept. of Commerce - Coordinator Dr. Gaikwad and the Assistant Coordinator Prof. Rahul Jadhav. Graphology

Total batches conducted: One

Strength of the batch: 32

This was for the first time that, this course was conducted. The resource person was Prof. Sanjeevani Rahane.

Dept. of Psychology - Coordinator : Dr.A.S. Oke. Flower Remedy

Total batches conducted: One

Strength of the batch: 29

Dr. Anjali Thombre was the resource person. Dept. of Psychology - Coordinator : Dr.A.S. Oke.

MPSC, UPSC and other Competitive

Examinations-Guidance

Total batches conducted: One

Strength of the batch: 270

Coordinator : Dr. Vilas Kamble

Biostatistics

Total batches conducted: One

Strength of the batch: 10

This was for the first time that, this course was conducted.

Dept. of Statistics - Coordinator : Dr.Manisha M.Sane. **Fashion Designing:**

Total batches conducted: One

Strength of the batch: 6

Coordinator : Dr. Nayana Kulkarni and the Assistant Coordinator was Prof. Sunita Purohit.

The college has taken steps towards increasing the number of such hands-on -training workshops beneficial to students at large.

More and more experts and academicians are interested to associate with us for this activity which leads to enhancement of employability and development of practical skills in students.

- Narendra M.Naidu Chief Coordinator

Industry Academia Meet

Our college had organized an Industry Academia meet on 30th & 31st January 2015.

Experts from the industries Dr. Sanjay Gavkare from Ventribiologicals, Pune, Mr. Arvind Ketkar Prontosil, Pune, Mr. Girje, Dr. Arun Waghmare, Haffkins Institute, Pune Dr. S.V Sawardekar, Krishi vidyapeeth, Dapoli, Mr. Vivek Singh, Persistent, Pune, participated and expressed their views for bridging this gap.

Principal Dr. R.S. Zunjarrao gave details of progress of college and efforts taken by the college to strengthen the collaborations with various industries. Dr. Jagdish Benale from JBN

Enterprises, Pune, discussed details about gray areas for students' placement like Research and Development, production, management, human resource development and IPR. Stressing on the point 'high technology is always based on high science', he explained need of interdisciplinary approach in curriculum.

Mr. Girish Walawalkar from Fermenta Biotech, Mumbai, Mr. Subhash Dighe from Tata Motors & public Companies, Mr. Shagith Prakash, from York winery, Nasik, shared their expertise.

Mr. Milind Gambhir and Prof. S.R.Chaudhari illustrated the contents of curriculum to develop soft skills and efforts taken by the college.

Krishi Vidyapeeth, Dapoli, Prontosil Pune, JBN enterprises, Pune offered summer training for interested students at their places. One hundred & fifty students from undergraduate and post graduate participated in this meet. They interacted freely with industrialist, researchers and Academicians for clarification for making career in industry or develop as a entrepreneur. This meet ended with felicitation of our entrepreneurs, Kishore Kulkarni, Chetan Rawal, Chetan Khunjir & Karishma Shaikh. They shared their experiences with the students..

Dr. Shubhangi Puranik took efforts to organize this Industry Academia meet successfully. Principal Dr. R.S. Zunjarrao, Dr. A.K. Pande, Prof. A. G. Gosavi, Prof. S. R. Chaudhari, Dr. Sangeeta Bhagat and heads, teachers of the various departments participated in this meet.

- Dr. Puranik Shubhangi

Internal Quality Assurance Cell

Internal Quality Assurance Cell (IQAC) of the college is operational under the able guidance of Chairman of the Cell -Principal Dr. R.S. Zunjarrao. During Academic year 2014-15, IQAC planned many quality assurance activities. The main focus was preparation was Self Study Report (SSR) for third cycle of reaccreditation by NAAC. In this regard Lecture by Dr. B.D. Bhole, IQAC coordinator of A.G.College was organized on 18th April 2014. He explained role of IQAC in accreditation process and guidance regarding preparation of SSR. Another guidance lecture by Dr.Sudipti Banerjea, Professor of Commerce and Former Head of Commerce Department, University of Calcutta was organized on 26th April 2014. Dr. Banerjea elaborated seven criteria of SSR with suitable examples. He guided regarding the process of accreditation and its importance.

Regular meetings IQAC were conducted and whenever necessary meetings with other college committees were also conducted. In the first meeting of IQAC conducted on 7th June 2014, agenda was on enhancing value based education programs through NSS, NCCactivities, planning of organizing state level, National level and International level conferences and planning of academic activities for the year 2014-15. It was also resolved to add more ICT facilities in classes, digitization of office documents for digital record room, utilization of various funds, examination reforms etc. were discussed. In view of reaccreditation data collection for SSR was planned, launching of web content management system (WCM)website was initiated. It was also resolved to strengthen college alumni.

In the IQAC meeting conducted on 14th October 2014 review of SSR was taken. For coordination with international students learning in college, IQAC organized meeting of all the students and 'International Students Cell' was formed in the college. Review of teaching learning activities, Infrastructure and research enhancement were the prime issues in this meeting. Regarding preparation of SSR, SWOC analysis of college was discussed, it was also decided to collect the data of the students who are first generation as learners. Congratulations were conveyed to the departments who had conducted activities in first term .It was also resolved in the meeting that Vision 2020 document of the college be prepared, also college will go through process of ISO 9001 certification process, Green Campus Initialization (GCI) activities be enhanced etc. An Inter-collegiate 'Promotion Event' National Tsing Hua University, Taiwan was conducted jointly by IAQC, Department of Zoology and Placement Cell for the benefit of Life Science and Engineering students.

In the IQAC meeting conducted on 2nd February 2015 review of the academic teaching, attendance of students, planning for examination schedules were discussed. It was also resolved to organize guidance workshop on API scores and new formats of it by eminent persons. The process of preparation of SSR was reviewed. Congratulations were conveyed to the departments conducting various activities during second term of the academic year. Throughout the year IQAC is functioning well for quality enhancement of various activities of the college.

This year IQAC organized an International Conference on 'Application of Advanced Technology for Enhancing Quality of Science Education', on 26th and 27th February 2015.

Prof. S.R. Chaudhari Dr. Rebecca Thombre Coordinator, IQAC Asst. Coordinator, IQAC



T.Y.B.A. Economics Syllabus Revision Workshop



Electronic Science - Imagine-2015 Project Competition



Economics - Financial Literacy Campaign - Phulgaon



Electronic Science - Imagine-2015 Prize Distribution



Visit to CMFRI, Cochin - Dr. K. D. Gopale and P.G. Students - Botany with Senior Scientists



Electronic Science - Alumni Meet



Biotechnology - Students and staff at CDFD - Hyderabad



Botany - Inauguration of flower arrangement competition



Biotechnology - Educational visit to KKV, Dapoli



Botany - Dr. A.V. Dusane judging the models



Principal Dr. Zunjarrao addresses the Industry - Academia Meet



Botany - Students with model



Hon. V.C. Dr Wasudev Gade and Dr. (Mrs) S. D. Joag at Science Park Exhibition.



Computer Science - Poster Exhibition and Competition Inauguration by Principal Dr. Zunjarrao



Principal Dr. Zunjarrao visiting ChemModern Exhibition



Student showing experiment at Science Park Exhibition



Computer Science - Felicitation of Meritorious Students



Computer Science - Felicitation of Meritorious Students (Kartik Rindani Contest)





Inauguration by Prof. S. R. Chaudhari - Poster Competition - Physics

EQ Workshop - Psychology



Principal Dr. Zunjarrao visits Project Competition - Physics



Muktangan Visit - Psychology



Physics - Prize Distribution - Prof. A. G. Gosavi



Prof. P. S. Chirputkar, Chairman LMC at Alumni Meet - Statistics



Statistics Quiz - Final Round



GMRT Study Tour - Physics



Zoology : State Seminar - Inauguration - Ganga Stotram



Microbiology - Felicitation of Apurva Mule



ZooVision - Felicitation of Judges -Dr. Sushama Thatte and Prof. Charulata Butala



Ms. Chaitrali Atre and Ms. Tanushree Bhandari First Prize Poster competition in National conference



ZooVision - Inquisitive Minds



Microscopy Workshop (DBT) for Life Science students Hands - on - Training



Mr. Sumeet Pandit and Mr. Shubhankar Ambike first prize



Microbiology - Educational Visit Shree Someshwar Sahakari Sakhar Karkhana



WCBS - Aarohan Prize distribution



WCBS - Guest lecture



WCBS - Republic Day celebration



WCBS -State Seminar



WCBS - Street Play at Social week 2015



Softskill Development Workshop - Participants



Commerce - Shri. Krishnakumar Goyal at Vyapar Mela



Commerce - Vyapar Mela - Trade Fair - A Mega Event


कलासप्ताह - नाट्यवाचन स्पर्धा - ओंकार ढोरे व मुक्ता वळसे



कलामंडळ - श्री. रमेश गुलाणी गुणवंत विद्यार्थ्याचा सत्कार .करताना



कलासप्ताह समारोप - विद्यार्थी प्रतिनिधी प्राची अत्रे सूत्रसंचालन करताना



कलामंडळ - विविध गुणदर्शन स्पर्धा - विजेता संघ



International Conference - Cultural Programme



International Conference - Cultural Programme



International Conference - Cultural Programme



International Students' Cultural Festival - 2015





Principal Dr. Zunjarrao and Vice-Principals with Dr. Vijay Khare, Director, International Students' Centre, SPPU

Invited Guest lecture Principal Dr. Zunjarrao welcomes Dr. Jayant Narlikar



Mr. Rajiv Bajaj, M.D. Bajaj Auto in 'Conversation' with Youth upon initiative of Hon'ble - Mayor of Pune Mrs. Chanchala Kodre.



Gymkhana Day : Prof. Dr. Gajanan Ekbote addresses the audience



ACADEMIC AND RESEARCH COORDINATION

1. AVISHKAR Project Competition

This year, the Zonal Level Research Project Competition AVISHKAR 2014, organised by BCUD, Savitribai Phule Pune University (SPPU), was held in Abasaheb Garware College, Pune. 411004 on 27th September 2014.

The competition received overwhelming response from our college and even Teachers showed keen interest in the competition. Fifteen projects were presented in the said competition as per details given below

S.No	Name of the Researcher	Class	Category	Level	Title of the project
1	Ms. Meenal Shukla Ms. Pooja Vavhal	S.Y. B. Sc. Botany	Pure Science	UG	Phytofabrication of Silver Nano particles and their application
2	Mr. Atith Chitnis Mr. Akshay Marathe	T.Y. B. Sc. (Bio-Tech)	Pure Science	UG	Perchlorate induced stress in extremely Halophilic Archaea
3	Mr. Yash Bogawat Mr. Vedant Kadam	T.Y. B. Sc. (Bio-Tech)	Pure Science	UG	Antibacterial activity of Gold Nano particles against drug resistant bacteria
4	Mr.Sagar Nikam Mr. Kiran Raskar	S.Y. B. Sc. Botany	Agriculture	UG	Bioactivities of Edible Flowers of <i>Delonix regia</i>
5	Ms Rochelle Colaco Ms Samruddhi Zende	T.Y. B. Sc. (Bio-Tech)	Agriculture	UG	Fighting plant pathogen using silver nano technology
6	Ms. Vinaya Shinde Ms.Elwina Joseph.	M.Sc. (Bio-Tech)	Agriculture	PG	Salinity induced stress on extremely Halophilic Archeon
7	Mr. Pranav Shivangikar	M.Sc. Botany	Agriculture	PG	EM Capsule: An Eco-friendly approach to help farmers
8	Ms. Khushbu Bonde Mr. Prasanna Randive	MSc. Comp. Sc	Pure Science	PG	Web Browser for visually impaired people
9	Mr. Durgesh Rokade Mr. Rajeesh Palikuzhi	MSc. Comp. Sc.	Pure Science	PG	Ultimate encryption tool
10	Ms. Bhakti Bhople Ms. Sayli Jagtap	MSc. Comp. Sc	Pure Science	PG	Wireless Intrusion Detection System
11	Ms. Ekta Bhosale Ms Kajal Mokal	M.Com.II M.Com.PartI	Commerce	PG	Using Smart Phone Smartly
12	Ms. Neha Khandve Ms. Bhakti Wagh	M.Com.PartI M.Com.PartI	Commerce	PG	Fire Safety Audit- The need of the hour
13	Ms. Yogini Hatwalne	M.Sc.Stat.	Humanities	PG	Trends in Savings and Investments
14	Prof. Mrs Rama Phadke	N/A	Pure Science	Staff	Cytotoxicity
15	Prof. Ravi Dabhade	N/A	Pure Science	Staff	Bacteria Assisted synthesis of metal nano-particles and their bio-medical application

LIST OF PROJECTS AT ZONAL LEVEL AVISHKAR 2014

Out of the above, following projects (33.33% i.e. 5 out of 15) were selected for participation in the University Level AVISHKAR held at the Department of Microbiology, SPPU, Pune 411007, on 15th December, 2014.

Name of the Researcher	Class	Category	Level	Title	Name of the Guide
Mr. Pranav Shivangikar	M.Sc. Botany	Agriculture	PG	EM Capsule: An Eco-friendly approach to help farmers	Dr. U.R. Wayase
Ms. Ekta Bhosale Ms Kajal Mokal	M.Com.Part II M.Com.Part I	Commerce	PG	Using Smart Phone Smartly	Prof. Rasika Date
Ms. Neha Khandve Ms. Bhakti Wagh	M.Com.Part I M.Com.Part I	Commerce	PG	Fire Safety Audit- The need of the hour	Prof. Rasika Date
Ms. Yogini Hatwalne	M. Sc. Statistics	Humanities	PG	Trends in Savings and Investments	Dr.M.M. Sane
Prof. Mrs Rama Phadke	N/A	Pure Science	Teacher	Cytotoxicity	Dr. Kalpana Pai

The performance of the participants was excellent and following projects had been short listed for the Second Round conducted prior to Final Selection.

Name of the Researcher	Class	Category	Level	Title	Name of the Guide
Mr. Pranav Shivangikar	M.Sc. Botany	Agriculture	PG	EM Capsule: An Eco-friendly approach to help farmers	Dr. U.R. Wayase
Prof. Mrs Rama Phadke	N/A .	Pure Science	Teacher	Cytotoxicity	Dr. Kalpana Pai

2. Quality Improvement Programmes.

- (A) Financial assistance was sanctioned for the financial year 2014-15 to the college under Quality Improvement Programme scheme of BCUD, SPPU, Pune and ICSSR New Delhi.to organize Seminars /Conferences/ Workshop. Following seminars /Conferences were organized
- International Conference on "Application of Advanced Technology for Enhancing Quality of Science Education."
- 2. National Level Conference on
 - "Dynamic Microbes: Role in Human Welfare Level."
 - "e -Publications and its Impact on Higher Education and Librarianship."
- 3. State level Seminar on
 - "Freshwater Ecosystems of Maharashtra : Their Biota , Ecology and Health"
 - "Business Innovation through advanced Information Technology."
- (B) Financial assistance of Rs 1,00,000/- was sanctioned during the financial year 2014-15 to the college under Quality Improvement Programme scheme of BCUD, SPPU, Pune to purchase four DLPs.
- (C) Financial assistance of Rs. 1,00,000/- was sanctioned for the financial year 2014-15 to the college under Quality Improvement Programme scheme of BCUD, SPPU, Pune to purchase Sports Equipment.

3. BCUD Research Scheme (Online Sanshodhan)

Following Staff members of our college have been sanctioned Minor Research Scheme funded by BCUD, SPPU, Pune for the financial year 2014-16.

S.N	NAME	DEPARTMENT
1	Dr. R. S. Zunjarrao	Botany
2	Dr. S. S. Patil	Physics
3	Dr. V .S. Waman	Physics
4	Dr. Yugandhar Shinde	Zoology
5	Dr. S. V. Bhagat	Biotechnology
6	Dr. R. S. Thombre	Biotechnology
7	Dr. G. M. Litke	Biotechnology
8	Prof. R. L. Dabhade	Biotechnology
9	Dr. M. M. Satam	Economics
10	Ms. R. P. Date	Commerce
11	Prof. Amol Shinde	BBA/BCA
12	Mrs M. S. Datre	Library

4. Development Proposal

Proposal of our college for Deen Dayal Upadhyay Centres for Knowledge Acquisition and Up gradation of Skilled Human Abilities and Livelihood (KAUSHAL) under UGC XII plan 2012-2017 was submitted to UGC, New Delhi on 30 March 2015.

Prof. R.P Date Coordinator Avishkar

Prof. S.S.Thengadi Academic Research Coordinator

Birth Anniversary of Bharatratna Dr. Babasaheb Ambedkar

Abhyas Abhiyan -A Marathon Event :

Dr.Babasaheb Ambedkar the principal architect of the Constitution of India, was known for his studious nature. He would spend hours together in the company of books. He was an ardent seeker of knowledge. To commemorate the birth anniversary of this great personality it was befitting for students and staff to spend some time in reading books.

The college organised a programme called as Abhyas Abhiyan. This Marathon event of 14 hours of reading or studying books was held on 13th April 2015 from 7a.m. to 9 p.m., in which many students and teachers willingly participated. Many books from library were made available to the students and staff. The participants got inspiration from this event.

Principal Dr.R.S.Zunjarrao paid homage to Bharat Ratna Dr.Babasaheb Ambedkar . Vice Principal Prof.Vilas Alhat, Prof.Ravindra Ingole, Prof.Vilas Kamble, Prof.Subhash Karekar ,Prof Ashok Kamble, Mr.Hajare and many other staff members took initiative to for the success of this event.

Memorial Lecture:

The 124th Birth Anniversary of Bharat Ratna Dr. Babasaheb Ambedkar was celebrated on 14th April 2015. The programme began with prayers. Principal Dr.R.S.Zunjarrao, Vice-Principals, staff and students present paid homage to Dr.Ambedkar by floral offerings.

Dr.Vilas Kamble spoke on "Learning and Teaching Qualities of Dr.Babasaheb Ambedkar".

Due to the wide scope of the subject, he primarily focused on Dr. Ambedkar's passion for knowledge and the efforts he took to widen his horizons of learning. The talk brought home to the audience an overview of Dr.Ambedkar's progress from childhood to manhood and from academic to social and political life.

Principal Dr.Zunjararo gave the concluding remarks. Prof.R.N.Ingole conducted the entire programme.

> - Prof. R. N. Ingole Coordinator

Sr no.	Name of member	Sr No.	Name of member
1	Dr. Joag Sushama (Advisor)	13	Prof. Kamble A.T.
2	Prof. Ghanekar Madhuri (Chairperson)	14	Prof. Karekar S.J.
3	Dr. Sane Manisha (Co-ordinator)	15	Prof. Kulkarni Ameeta
4	Prof. Bansode R.D. (Comm)	16	Prof. Lodh Dipali
5	Prof. Gaikwad D.B	17	Prof. Mahajan Nivedita
6	Prof. Gangarde S.S.	18	Prof. Mujumdar Shilpa
7	Prof. Gopale K.D	19	Prof. Sherkhane L.M. (Advisor)
8	Prof. Ingole R.N.	20	Prof. Suryavanshi Vinod
9	Prof. Jagtap V.K.	21	Shri. Kale V.V. (Office)
10	Prof. Joshi Vandana	22	Mrs. Patwardhan Swati (Office)
11	Prof. Bobade V.N.	23	Shri Navale Nilesh (Office)
12	Prof. Patil Neeta		
	Co-opted members:		
	Prof. Rasika Date		Prof. Jigisha Pawar
	Prof. Pallavi Math		Prof.Trupti Gohad

Prize Distribution Committee

Annual Prize Distribution (Academic) was organized on Wednesday, 18th Feb.2015. Prof. P.S. Chirputkar, Chairman, L.M.C. MCASC, Pune 5, Member BC, PES was present as Chief guest. By citing examples of several scientists, he advised the students regarding what they should do to become successful in life.

Sr.No.	Name of the Student	· Criteria	Name of the Prize
A	Students of XI Class		and the second second
1	Kunjir Akshay Gorakh	Boy from Modern High School (Marathi Medium) Pune 5 with Highest total at X	Late Govind Nirgudkar scholarship
2	Jadhav Sayali Ganpat	Girl from P. E. S.'s Girls High School Pune 5 with Highest total at X	Late Seetabai Nirgudkar scholarship
		Student from a school of P.E.S.with Highest total at X (All)	Dwarika Sangamnerkar Prize
В	Students Passing XI Arts		State of the second second
1	Panse Shambhavi Nityanand, (English)	Highest total at XI Arts	Staff Fund Prize
2	Patel Sultana Ikbal (Marathi)	Highest total at XI Arts	Staff Fund Prize
С	Student Passing XI Comme	rce	
1	Patil Shivani Bajirao	Highest total at XI Commerce	1.Late Vinod Narayan Ekbote Prize 2. Staff Fund Prize
	Manatan Hashingto	Highest marks in Book-Keeping & Accountancy at XI Commerce	Late Prof. Jyotsna Godbole Prize
		Highest marks in Information Technology XI Comm.	New Scholar Batch Prize

LIST OF THE PRIZE WINNERS

Modern 2014 - 15 + 76

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2	Parkhe Pramoda	Highest marks in S.P. at XI Comm	G. D. Nargund Prize
3	Peshve Diksha	Highest marks in S.P. at XI Comm.	
D	Students Passing XI Science	e	
1	Shetty Apoorva Udayshankar	Highest total at XI Science Exam	Staff Fund Prize
2	Mundra Akash Kishorkumar	Highest marks in Physics at XI Science	Dwarkabai Parasnis Prize
3	Hande Manish Sunil Mathematics at XI Science	Highest marks in	Late Shri. Balkrishna Likhite Prize
	Chemistry at XI Science	Highest marks in	Late Shri. Balkrishna Likhite Prize
E	Students Passing XII Exam	. (Arts / Science / Commerce)	
1	Arekar Ankush Ramdas	Highest marks in Marathi at XII	 Late Gauribai Mahadev Sidhaye Prize Scholar Batch Prize
		Highest marks in Geography at XII	New Scholar Batch Prize
2	Awate Nikita Sukhdev	Highest marks in History at XII	New Scholar Batch Prize
		Highest marks in Politics at XII	New Scholar Batch Prize
3	Zawar Anushree Sanjay	Highest marks in English at XII	Scholar Batch Prize
4	Kelkar Tanvi Prafull	Highest marks in German at XII	 Late Shreepad Malhar Joshi Prize 2) Scholar Batch Prize
5	Koli Vinayak Naganath	Highest marks in Hindi at XII	Scholar Batch Prize
6	Palsule Anandita	Highest marks in Politics at XII	New Scholar Batch Prize
		Highest total at XII Arts	 Staff Fund Prize Scholar Batch Prize Balkrishna Rasane Prize
7	Pandit Kalyani Anand	Highest marks in Sanskrit at XII	 Late Shreepad Malhar Joshi Prize Scholar Batch Prize
8	Suryavanshi Pallavi Sahebrao	Highest marks in Marathi at XII	1) Late Gauribai Mahadev Sidhaye Prize
			2) Scholar Batch Prize
		Highest marks in Economics at XII	New Scholar Batch Prize
10	Vanarse Shruti Anirudha	Highest marks in Psychology at XII	New Scholar Batch Prize

G	Students Passing from XII	Commerce	
1	Ghare Manisha	Highest marks in Secretarial Practice at XII Comm	 Nargund Prize New Scholar Batch Prize
2	Kudmule Ganesh Vitthal	Highest marks in Book-Keeping & Accountancy at XII Commerce	 Late Jyotsna Godbole Prize Scholar Batch Prize
3	Kulkarni Shreyas	Highest marks in Secretarial Practic at XII Comm.	 1) Nargund Prize 2) New Scholar Batch Prize
4	Loya Aarati	Highest total at XII Commerce	 Late Vinod Narayan Ekbote Prize Balkrishna Rasane Prize
		Highest total at XII Commerce & admission to F.Y.B.Com. & admission in this college	Late Vasudevrao Tatke Prize
		Girl with Highest total at XII Comm.	Late Jyotsna Godbole Prize
6	Ranpise Komal	Highest total at XII Commerce	 Late Vinod Narayan Ekbote Prize Balkrishna Rasane Prize
		Girl with Highest total at XII Comm.	Late Jyotsna Godbole Prize
7	Shedke Bhagyashri	Highest marks in Organisation of Commerece and Management at XII Comm.	New Scholar Batch Prize
8	Shivani Chandrakant Narkar	Highest marks in Mathematics at XII Comm.	 A.P.Phadke Prize New Scholarship Prize
9	Thube Yogesh	Boy with Highest total at XII Commerce.	 1) Vasudevrao Tatke Prize 2) Late Jyotsna Godbole Prize
10	Tiwari Samruddhi	Highest marks in Organisation of Commerece and Management at XII Comm.	New Scholar Batch Prize
Н	Student Passing from XII S	Science	
1	Mayur Shinde	Highest total at XII Science & admission to F.Y.B.Sc./F.Y.B.C.S. in this college	 Vasudevrao Tatke Prize Nirmala Potnis Prize
2	Dhamdhere Shruti Ganesh	Highest marks in Mathematics at XII Science amongst students from NCL English Medium School	Pilot Officer Late Ganesh Mate Prize
3	Gawade Rohan Rajendra	Highest marks in Mathematics at XII Science	 A. P. Phadake Prize Kamalabai Panase Prize Scholar Batch Prize Late Shri Balkrishna Likhite Prize
		Highest marks in Biology at XII Science	Scholar Batch Prize
	Balli raul santa use	Highest marks at XII Science, Merit admission to Medical, Student of P. E. S.'s School	R. B. Wagale Memorial Prize

4	Kamthe Amit Dattatraya	Highest marks in Physics at XII Science	Scholar Batch Prize
	Constant Research Constant Party of State	Highest marks in PCM group at XII Science	Late Dr. D. K. Atre Prize
	and the second sec	Highest marks in Information Technology at XII Science	New Scholar Batch Prize
5	Mahajan Akshata Ravindra	Highest marks in Chemistry at XII Science	1)Late Shri. Balkrishna Likhite Prize 2) Scholar Batch Prize
6	Patil Sneha Vijay	Highest marks in Biology at XII Science	Scholar Batch Prize
7	Peshwe Sarthak Sandeep	Highest marks in Mathematics at XII Science	 A. P. Phadake Prize Kamalabai Panase Prize Scholar Batch Prize Late Shri Balkrishna Likhite Prize
		Highest marks at XII Science, Merit admission to Engineering, Student of P. E. S.'s School	R. B. Wagale Memorial Prize
8	Tappu Chaitanya Mukund	Highest total at XII Science	 Vasantrao Sukhtankar Prize Balkrishna Rasane Prize Late Raobahadur D. Balwant Prize New Scholar Batch Prize
		Highest marks in Mathematics at XII-Science	 A. P. Phadake Prize Kamalabai Panase Prize Scholar Batch Prize Late Shri. Balkrishna Likhite Prize
		Highest marks in PCM group at XII Science	Late Dr. D. K. Atre Prize
		Highest marks in Computer Science at XII Science	New Scholar Batch Prize
		Highest marks at XII Science, Merit admission to Engineering, Student of P. E. S.'s School	R. B. Wagale Memorial Prize
9	Thigale Swapnil Balkrishna	Highest marks in Electronic Science at XII Science	New Scholar Batch Prize
I	Students Passing F.Y.B.A.	in the second second	
1	Lown Dawson	Highest total at F.Y.B.A.	Staff Fund Prize
2	Akanksha Kharche	Highest marks in General English at F.Y.B.A. & admission to Special English at S.Y.B.A. in this college	

J	Students Passing SYBA	the second of the second second	
1	Mundhe Siddheswar Rameshwar	Highest total at S.Y.B.A.	Staff Fund Prize
		Highest marks in History (Special / General) at S.Y.B.A. and admission to T.Y.B.A. in this College	Late Sumatibai Hariramaji Bhiwagade Prize
K	Students Passing T.Y.B.	Α.	
1	Sonawane Sudarshan	Highest total at T.Y.B.A. (Marks out of 1200)	 Staff Fund prize Late Past Students Prize Late Vasudev Vyankatesh Pandit Prize Memento
3	Manohar Kimaya	Highest marks in Special English at T.Y.B.A. (Marks out of 300)	Late Balkrishna Savalaram Rasane Prize
4	Talekar Pooja	Highest marks in Special Marathi at T.Y.B.A. (Marks out of 300)	 Late Balnath Shankar Pathak Prize Narayan Chepe Prize
L	Student Passing F.Y.B.S	c.	
1	Jithin P	Highest total at F.Y.B.Sc.	Staff Fund Prize
		Highest marks at F.Y.B.Sc. in A Group (Mathematics Group) (Marks out of 1200)	Narayanrao Bhagawat Prize
2	Purnima Gupta	Highest marks at F.Y.B.Sc. in B Group (Biology Group) (Marks out of 1200)	Narayanrao Bhagawat Prize
		Best performance in Air wing NCC activities with excellent academic record	Late Sudhabai Shankar Kale Prize
4	Walke Reshma Ashok	Highest marks in Mathematics at F.Y.B.Sc.	Laxmibai Tatke Prize
5	Choudhari Upasana	Highest marks in Chemistry at F.Y.B.Sc. and admission to S.Y.B.Sc. in this college	Late Dr. K. S. Kale Sponsored Prize
6	Babar Mayuri Balu	Highest marks in Statistics at F.Y.B.Sc.	Vishvanath Ramchandra Dhongade Prize
7	Sayali Pasalkar	Highest total at FYBSc (Comp. Sci.)	Prize sponsored by Mrs.Sangeeta Raut
Μ	Students Passing S.Y.B.S	Sc.	
1	Gaikwad Shraddha	Highest total at S.Y.B.Sc. & student of this college from XI to T.Y.B.Sc.	Matoshree Yashodabai Gadgil Paluskar Scholarship

2	Khatmode Sarika	Highest marks in Statistics at S.Y.B.Sc.	Late Indirabai Chirputkar Prize
3	Monica Kumari	Highest marks in Electronics at S.Y.B.Sc.	Balkrishna Savalaram Rasane Prize
4	Salunkhe Rohini S.	Highest total at S.Y.B.Sc.	Staff Fund Prize
		Highest marks in Physics at S.Y.B.Sc.	Ravishankar Rasane Prize
		Highest marks in Mathematics at S.Y.B.Sc.	Prof. Pramila Chikate sponsored Prize
		Highest marks in Chemistry at S.Y.B.Sc. & admission to T.Y.B.Sc. in this college	Sadashiv Vishwanath Jog Prize
		Most deserving student of T.Y.B.Sc. Physics	Y. P. Gambhir Prize
5	Trupti S. Bodas	Highest marks in Microbiology at S.Y.B.Sc.	Mrs. Sahmala Huddekar Prize sponsored by Dr. Shilpa Mujumdar
6	Priya Sharma	Highest marks at S.Y.B.Sc. (Computer Science)	Prize sponsored by Mrs Madhuri Ghanekar
N	Students Passing T.Y.B.Sc.	/ T.Y.B.C.S.	
1	Korade Swati Arun	Deserving needy & Good in academics. Student of T.Y.B.Sc. Statistics	Dr. Mrs. V.R.Prayag sponsored Prize
2	Bhapkar Sidharth Sanjay	Highest total at T.Y.B.Sc. (Physics) out of 1200	 Ravishankar Rasane Prize Late Prakash Bhagawat Prize Department of Physics Prize
3	Dani Manali Shrirang	Highest total at T.Y.B.Sc. (Zoology) out of 1200	
4	Farad Bhakti Mahadeo	Highest total at T.Y.B.Sc. (Statistics) out of 1200	 Nirmala Potnis Prize Past Student Prize
5	Jangid Ganesh B	Highest total at T.Y.B.Sc. (Mathematics) out of 1200	S. K. Argade Prize
	A Diversion of the owner of the	Best Graduate of the year	Principal V K Jog Prize
7	Lonkar Priyanka Dhondiba	Highest total at T.Y.B.Sc. (Electronics) out of 1200	Balkrishna Rasane Prize
8	Mali Mohini Vitthal	Highest total at T.Y.B.Sc. (Chemistry) out of 1200	 Sadashiv Vishwanath Jog Prize Principal B. V. Bhide Prize
		Highest total at T.Y.B.Sc. (Chemistry) out of 900	Late Mai Bhide Prize
9	Shaikh Salim	Highest total at T.Y.B.Sc. (Botany) out of 1200	Late Dr. V. D. Vartak Prize

10	Shelke Snehal B	Highest total at T.Y.B.C.S. Computer Science (marks out of 1200)	 Staff Fund Prize Memento
11	Wani Swapnaja S	Highest total at T.Y.B.C.S. Computer Science(marks out of 1200)	1) Staff Fund Prize 2) Memento
0	Students Passing F.Y.B.C.	om.	
1	Wadekar Ruplekha Ashok	Highest total at F.Y.B.Com.	Staff Fund Prize
		Highest marks in Mathematics at F.Y.B.Com.	Vishwanath Madhav Rayarikar Prize
P	Students Passing S.Y.B.Co	om.	
1	Bhadane Archana Vijay	Highest total at S.Y.B.Com.	Staff Fund Prize
2	Gaikwad Rajratna B.	Highest marks in Statistics at S.Y.B.Com. (All papers clear)	 Late Indirabai Chirputkar Prize Late R.G. Satam Prize
3	Sharma Nisha Vishnu	Highest marks in Banking at S.Y.B.Com.	Sponsored by Dr. M.M. Satam
4	Bakshi Neha Keshav	Highest marks in Economics at S.Y.B.Com.	Mrs. Sandhya Vartak sponsored prize
Q	Students Passing at T.Y.B.	Com.	
1	Atieno Josephine Omondi	Highest marks in Advanced Costing at T.Y.B.Com. (Considering total marks of Cost & Works accountancy)	Balkrishna Rasane Prize
2	Ghute Prachi Satish	Highest total at T.Y.B.Com. out of 1200	 Staff Fund Prize Nirmala Potnis Prize Past student Prize Trimbak P. Gondhalekar Prize Vasudev Vinayak Pandit Prize Memento
		Highest marks in Accountancy & Auditing (Total of three papers Advanced accountancy, Business Law & Auditing II & III)	Matoshree Mulabai Karnavat Prize
3	Mohite Swapnali Balu	Highest marks in Banking at T.Y.B.Com.	Vishwanath Madhav Rayarikar Prize
4	Nevase Omkar	Highest marks in Marketing at T.Y.B.Com.	Late Jivita Gujar Memorial Prize
5	Nimbhore Pooja	Highest marks in M. Law. at T.Y.B.Com.(Consider marks in M. & Ind. Law)	Ravishankar Rasane Prize
6	Ratna Priya Virendra		Chandrakant Moreshwar Shinde Prize

R	Students Passing M. Com.			
1	Dandekar Pooja Vivek	Highest total at M. Com. I	Staff Fund Prize	
2	Garg Pooja Sunil	Highest total at M. Com. II	 Staff Fund Prize Memento 	
S	Students Passing M. A			
1	Reshma Rajendra Landge	Highest total at M. A. II (English)	Memento	
2	Anagha Deshpande	Highest total at M. A. II (Marathi)	 Late Shree Appasaheb Ramchandra Jadhav Memoria Prize Sponsered by Dr. Vaijantimala Jadhav 2) Memento 	
3	Sumi Devi	Highest total at M. A. II (Geography)	Memento	
4	Sampada Medsiker	Highest total at M. A. II (Economics)	Late Purushottam Hirday sponsored by Dr. M.M. Satam	
5	Gurleen Kohli	Highest total at M. A. II (Psychology)	Memento	
Т	Students Passing M. Sc.			
1	Tanushree Bhandari	Highest total at M. Sc. I (Microbiology.)	Dr. Bhagwant Huddekar Prize sponsored by Dr. Shilpa Mujumdar	
2	Manali Dalal	Highest total at M. Sc. I (Electronic Science)	Laxman Deuskar Prize	
3	Daphane Mayuresh P	Highest total at M. Sc. II (Electronic Science)	 Laxman Deuskar Prize Memento 	
4	Panda Madhusmita	Highest total at M. Sc. II (Statistics)	Memento	
5	Chikane Dipesh Ramdas	Highest total at M. Sc. II (Botany)	Memento	
6	Sayali Laxman Mahangare	Highest total at M. Sc.I (Chemistry)	Chemistry Dept PG staff Prize	
7	Vedika Nandkumar Gujar	Highest total at M.C.A (Computer Science)	Memento	
8	Tumma Priyanka Vinayak	Highest total at M. C.S II (Computer Science)	Memento	
9	Ehatesham Ansari	Highest total at M. Sc. (Microbiology)	Memento	
10	Shamla Rajendra Mane	Highest total at M. Sc. II	Memento (Bio Tech.)	
11	Vandana Joshi	University rank at M.Sc. II / M.A. II / M.C.S. II	 Memento Ravishankar Rasane Prize 	

Sr.No.	Name of the Student	Criteria	Prize	
1	Gaikwad Shubham Rajendra	Standing 1st amongst children of Non-teaching staff at Degree / PG examination	Ravishankar Rasane Prize	
2	Priyanka G. Pawar	T.Y.B.Sc. Physics student submitting Best Project	H. B. Joshi Prize	
3	Shah Bhavik Hasmukh	T.Y.B.Sc. Electronic student submitting Best Project	A. Gondhalekar Prize	
4	Nikam Bhushan (T.Y.B.ScB)	Student writing the Best Computer Programme at T.Y.B.Sc. Computer Science	R. M. Marathe Prize	
5	Ashwini Kamble	Best student at T.Y.B.Sc. Chemistry	M. M. Gokhale Prize	
		Best girl student from Earn & learn scheme	Late Kalindi Krishna Ujalambkar prize	
6	Swati Bahir	Deserving & studious Girl student of Sr. Wing	Golden Jubilee Fund Prize	
7	Ashwini Badgujar	Deserving and studious student of Sr. Wing	Late Jagannath Kale Prize	
8	Prince Gupta	Excellent academic achievement (Sr. Wing)	Late Pandurang Vishnu Mahadkar Prize	
9	Mhalaskar Charuta Suryakant	Most deserving student of T.Y.B.Sc. Electronic Science	D. Y. Gambhir Prize	
10	Komal Anil Dede (S.Y.B.A.)	Best Student of NSS Sr.wing	'Late Abhishek Walke' prize, sponsored by Nisha Bhandare	
11	Pratik Nandkishor Lahane (T.Y.B.A.)	Most deserving student of NSS Sr. wing	Late B. P. Satpute Prize	
12	Komal Baburao Malve (T.Y.B.A.)	Most deserving girl student of NSS Sr. wing	Late Sarubai Varade Prize	
		Best girl student from Earn & learn scheme	Late Kalindi Krishna Ujalambkar prize	
13	Sujit Nawale (T.Y.B.Sc.Computer Science)	Deserving student of T.Y.B.Sc. doing good work in NSS for two years	Late Bhaurao Varade Prize	
14	Sunny Parmeshwar Sutar (T.Y.B.Sc.Computer Science)	Deserving student of T.Y.B.Sc. (Comp.Sci.) doing good work in NSS for two years	Late Bhaurao Varade Prize	
15	Pankaj Murkute - XII A	Most deserving student of NSS Jr. wing	Late B. S. Pathak Prize	
16	Kishor Dhanyakumar Jagadale (T.Y.B.A.)	Deserving student of T.Y.B.A. doing good work in NSS for two years	Shankar Shelar Prize	

Other Prizes for 2014-15

17	Neha Bavale - XII A	Best performance in NSS camp Jr. wing	Late Sadashiv Salunkhe Prize
18	1.Nikhil Pramod Kadam 2.Subhash Balu Zaware	Best student from Earn & learn scheme	Late Krishna Mukund Ujalambkar prize
19	Thakur Shankar	Past student of Modern High School Pune-05 with minimum 75% marks admission to this college and most deserving and promising student	Dattatraya Krishna Shenolikar Scholarship
20	Jangid Ganesh B. (TYBSc- Maths)	Best Graduate of the year	Principal V K Jog Prize
21	Acharya Shreeya (XIIth AE)	Best Student Jr. Wing	Late Jyotsna Godbole Prize
		P Phyles and Dates	Best student Trophy, Memento
22	Indore Suvarna (T.Y.BSc-Maths)	Best student Sr. Wing	Staff Fund Prize Veer Sawarkar Prize Damodar shield, Memento
23	Upadyaya Sonakshi M.AII English	Best student Post Graduate Section	Late Prof. G. M. Bansude Trophy Memento

- Mrs. Madhuri Ghanekar Chairperson

PUBLISHED MATERIAL OF OUR STAFF

Economics

Dr. Madhu Satam

- Published paper on 'FDI in Retailing' in International Journal of Business, Management and Social Sciences, Volume III Issue 12(1) August 2014 ISSN 2249-7463
- Published and presented a paper at International Conference, in Sadhu Vaswani Institute of Management Studies, on 'Financial Inclusion of Rural Women in India' on 23 and 24 Jan 15. The paper was published in 'Journal of Contemporary Research in Management'. ISSN 2348-0092/ Pune/Vol. 2 - ISSUE 1/Jan-June 2015 (Bi Annual)
- Presented and published paper in National Seminar on 'Role of BRICS in the Regional Development of Participating Nations' at Appasaheb Jedhe College, Pune, on 16 and 17 Jan 2015, ISBN 978-93-84916-90-9

- Presented and published paper in National Seminar on 'Monetary Policy in India' at Poona College, on 6 and 7 Feb 2015. ISBN 978-81-927093-3-8
- Paper published in the 'International Journal of Multifaceted and Multilingual Studies' on 'Service Sector in India: Trends and Challenges' in the National Seminar at Yashwantrao Mohite College on 11-3-2015. ISSN 2394 - 207X
- Book Co-authored and published on 'Research Methodology' for MA Semester IV of SPPU.
- Abstract published in the MPEA journal, March 2015.Got the life membership of MPEA.

Dr. Abhay H. Shende

- Problems of FDI in Cut Rose Export Industry of India (Ness Wadia College National Conference Journal February 2015)
- A Study of co-operation between China and India with special reference to Trade and commerce(International Journal of Developments in Trade, Commerce and Business, April 2015 issue)

- Need for foreign technology transfer in India's sick wine firms (Modern College ASC College Pune 5, Economics Department Journal, publishing shortly)
- Dairy of Reflections on India's Horti Business Developments(Vision Academic Publication Pune, April 2015)

Prof. Mrs. Jayshree P. Nambiar

- Published a research article, "Role of organized retail shops and NBFCs in promoting consumer durable credit" in Golden Research Thoughts-International Recognition Multidisciplinary Research Journal, Vol-3, ISSUE-11, ISSN:2231-5063 May- 2014. Impact Factor: 2.2052 (UIF) DOI10.978/2231.5063
- 2) Published a research article "Impact of Local Body Tax (LBT) on unorganized Traders in Maharashtra" in Golden Research Thoughts -International Recognition Multidisciplinary Research Journal, Vol-3, ISSUE-12, ISSN:2231-5063 June- 2014. Impact Factor: 2.2052 (UIF) DOI10.978/2231.5063

English

Ms. Dipali Lodh

- 'Hybridism and Identity Politics in the selected short stories of Jhumpa Lahiri', at a National Conference on 'Re-thinking Diaspora' at M.E.S Abasaheb Garware College on 20th& 21st January 2015. (ISBN: 978-93-84916-92-3).
- 'Aspects of Marginalization in 'Half Girlfriend' and the life and times of Chetan Bhagat', at an International Conference on 'Marginalization and Indian English Literature' at B.V.P's Yashwantrao Mohite College on 13th&14th February 2015. (ISBN: 13 978-81-923438-1-5).

Geography

Dr. Amit Eknath Sonawane

- "Watershed of Shirur Tahsil of Pune District Maharashtra"- National conference at Sangli.
- "Resource Management for Agriculture Management in Purandar Tahsil of Pune District"- National conference at YCM, Pune.

History

Dr. Rajesh Kulkarni Books Authored

- 1 Yog -Kalpa Publication Process
- 2 Dhyan Yog for Women Hand Book
- 3 Dhyan Yog for Students Hand Book

Marathi

डॉ. स्नेहल तावरे -

- सवित्रीबाई फुले पुणे विद्यापीठाची दूर शिक्षणाच्या तीन पुस्तकांचे संपादन व लेखन.
- ''शौर्यभूमी' या आंतरराष्ट्रीय मासिकात 'मल्हार रामराव चिटणीसकृत बखरी' या विषयावर लेख प्रसिद्ध.
- मॉरिशस येथील महात्मा गांधी इन्स्टिट्युट मध्ये 'भारतीय संतांचे योगदान' या संपादकीय पुस्तकाचे मॉरिशसचे सांस्कृतिक मंत्री सांताराम बाजू यांच्या हस्ते प्रकाशन आणि 'ज्ञानेश्वरीतील पर्यावरण' या विषयावर भाषण (जानेवारी २०१५).

डॉ. मधुरा कोरान्ने -

'नीहार', 'चैत्राली', 'मानिनी' या दिवाळी अंकांमधून नाट्यसमीक्षात्मक लेख प्रसिद्ध.

डॉ. वैजयंतीमाला जाधव

पुणे विद्यापीठाच्या दूरशिक्षण विभागामध्ये एफ.वाय.बी.ए. आणि एफ.वाय.बी.कॉम. च्या वर्गांसाठी पुस्तकांचे लेखन.

Botany

Dr. R. S. Zunjarrao

Published a research paper entitled "Organogenesis and Somatic Embryogenesis of Jatropha curcas L." 26 (1) 2015, 32-42. In an International Journal of Pure and Applied Science Technology. Impact factor (0.47)

Dr. R.B. Barmukh

- Co-author of two text books for SYBSc Botany:
- Paper II Plant Physiology (Sem. I)
- Paper II Plant Biotechnology (Sem. II)
- * Dr. K. D. Gopale
- Published a research paper entitled "Organogenesis and Somatic Embryogenesis of Jatropha curcas L." 26 (1) 2015, 32-42. In an International Journal of Pure and Applied Science Technology. Impact factor (0.47)

Chemistry

Dr. Kunda Gaikwad

 'Identification and quantification of Amino Acids from medicinally important plants by using highperformance thin-layer chromatography (HPTLC)', Journal of Liquid chromatography and related technology (DOI: 10.1080/ 10826076.2013.828306).

Electronic Science

Prof. T.B. Sonawane

- "Effect of Annealing temperature on structural & optical properties of ZnO nanoparticales synthesized by Solgel combustion Route" in International Journal of current Research vol 6 issue 12 pp 10413-10419 Dec 2014
- "Different properties studies on ZnO quantum dots synthesized by Sol gel auto construction route" journal of advances in applied science & technology material science Vol 1 Dec 2014.

Prof. M.R.Bodake

- "Effect of Annealing temperature on structural & optical properties of ZnO nanoparticales synthesized by Solgelconstruction Route" in International Journal of current Research vol 6 issue 12 pp 10413-10419 December 2014
- "Crystallographic and optical studies on Cr doped ZnS nano crystals in ceramic", December 2014.
- "Different properties studies on ZnO quaidum dots synthesized by Sol gel auto construction route" Journal of advances in applied science & technology material science vol 1 December 2014.
- "Crystallographic optical and morphological study of Cr doped ZnO nano crystals" Journal of Material science photon 2015.

Physics

Dr. Vaishali S. Waman:

- Electrochemical Synthesis of Melanin Thin Films: Evolution of Structural and Optical Properties -Priti Vairale, Vaishali Waman, Azam Mayabadi, Vasant Sathe, Habib Pathan and Sandesh Jadkar International Journal of Advanced Research in Physical Science 1/7 (2014) 35-45.
- 2. Synthesis of Indium Tin Oxide (ITO) as a transparent conducting layer for solar cells by

RF magnetron sputtering Engineering Sciences International Research Journal, Vol. 3 (2015) ISSN 2320-4338

Dr. Sandeep S. Patil:

- Polypyrrole nanostructures and their field emission investigations, Modern Physics Letters B, DOI: 10.1142/S0217984915400357.
- 2) Vapor-Liquid-Solid Growth of One-Dimensional Tin Sulfide (SnS) Nanostructures with Promising Field Emission Behavior; SR Suryawanshi, SS Warule, SS Patil, KR Patil, MA More, ACS applied materials & interfaces 6 (3), 2018-2025
- 3) Multifunctional polyaniline-tin oxide (PANI-SnO2) nanocomposite: Synthesis, electrochemical, and field emission investigations; SS Patil, KV Harpale, SP Koiry, KR Patil, DK Aswal, MA More, Journal of Applied Polymer Science
- 4) Morphology dependent Field Emission Characteristics of Polypyrrole thin film emitters; SS Patil, K Harpale, MA More, A Kulkarni, K Sonawane, Vacuum Nanoelectronics Conference (IVNC), 2014 27th International, 239 – 240
- 5) One step synthesis of SnO 2-RGO nanocomposite by thermal evaporation and its field emission study; SR Bansode, RT Khare, SR Suryawanshi, SS Patil, MA More, Vacuum Nanoelectronics Conference (IVNC), 2014 27th International, 81-82.
- 6) Enhancement in the field emission behavior of graphene in N 2/O 2 high vacuum ambience; SR Suryawanshi, PS Kolhe, DS Gavhane, SS Patil, PG Chavan, MA More, Vacuum Nanoelectronics Conference (IVNC), 2014 27th International, 155-156.

Statistics

- Prof. P.G. Dixit has published 11 books in the academic year 2014-15.
- Prof. P. S. Kapre has published 04 books in the academic year 2014-15.

Zoology

Dr. H. V. Ghate

 Jakhalekar, S. and H.V. Ghate (2014). SEM study of gemmules and spicules of Indian Trochospongilla latouchiana Annandale and Chinese T. latouchiana sinensis Annandale (Porifera: Demospongiae: Spongillina: Spongillidae. Journal of Threatened Taxa, 6(9): 6269-6277

- Fontanilla IKC, Sta. Maria IMP, Garcia JRM, Ghate H, Naggs F, et al. (2014) Restricted Genetic Variation in Populations of Achatina (Lissachatina) fulicaoutside of East Africa and the Indian Ocean Islands Points to the Indian Ocean Islands as the Earliest Known Common Source. PLoS ONE 9(9): e105151. doi:10.1371/ journal.pone.0105151
- Koli, Y.J., G. P. Bhawane and H.V. Ghate (2014). Record of a fungus beetle Spathomeles anceps (Gorham) [Coleoptera : Endomychidae: Lycoperdininae] from Kolhapur. Journal of Threatened Taxa, 6(11): 6477-6479
- Tembe, S., Y. Shouche and H.V. Ghate (2014). DNA Barcoding of Pentatomomorpha bugs (Hemiptera: Heteroptera) from Western Ghats. Meta Gene 2 (2014) 737-745.
- Sheth, S.D. and H.V. Ghate (2014). A report of an aquatic beetle Eretes griseus (Fabricius, 1781) (Coleoptera: Dytiscidae: Dytiscinae: Eretini) from Western Ghats and other parts of Maharashtra, India, Journal of Threatened Taxa, 6(12): 6571-6575.
- Agarwala, B.K, H.V. Ghate and P.P Bahttacharjee (2014). Redescriptions of Imantocera penicillata Hope and Eutaenia corbetti Gahan (Coleoptera: Cerambycidae), with Records of Host Plants from India. The Coleopterist Bulletin, 68(4):719-726. 2014.
- Paripatyadar, S., S. Riphung and H.V. Ghate (2014).). First report of the female of an aquatic bug Cheirochela assamensis Hope, 1841 (Hemiptera: Heteroptera: Naucoridae) from Northeast India. In Press: Journal of Threatened Taxa, Jan 2015 issue
- Vives, Eduard and H. V. Ghate (2015). On two rare Cerambycid beetles (Coleoptera) from India. Taprobanica Vol. 7 (1): 40-42
- Paripatyadar, S., S. Gaikwad and H.V. Ghate (2015). Authentic report of Ceresium leucosticticum White (Coleoptera: Cerambycidae: Callidiopsini) from Pune and Satara in Maharashtra State. BugsRAll Newsletter of the Invertebrate Conservation & Information Network of South Asia In Press Jan 2015
- Padhye, S., N. Rabet and H.V. Ghate (2015). First faunal inventory of large branchiopods (Crustacea: Branchiopoda) of Western Maharashtra, India with taxonomical and distributional comments. Zootaxa, 3904 (2): 208-222 (DOI: http://dx.doi.org/ 10.11646/zootaxa.3904.2.2)

- COCQUEMPOT, C., Alain DRUMONT, Dimitri BROSENS & Hemant V. GHATE (2015). First interception of a cerambycid beetle Stromatium longicorne (Newman, 1842) in Belgium and distribution notes on other species of Stromatium (Coleoptera, Cerambycidae, Cerambycinae). In Press Belgian Journal
- Kulkarni, M.R., Sameer Padhye, A. I. Vanjare, S. S. Jakhalekar, Yugandhar S. Shinde, S. V. Paripatyadar6, S. D. Sheth, Siddharth Kulkarni8, S. K. Phuge, Kalyani Bhakare, A. S. Kulkarni, Kalpana Pai and Hemant V. Ghate (2015). Documenting the Fauna of a Small Temporary Pond from Pune, India. In Press: Journal of Threatened Taxa.

Umesh D. Gore (Laboratory Assistant)

- Surve, S.S. and Gore Umesh Dattatraya (2014): 'Impact of Information Technology in Library Science', "Cloud computing in Aacademic Libraries", ISBN - 978-93-83144-05-1, Shubham Publication, Kanpur, Uttar Pradesh, 243-246.
- Gore Umesh Dattatraya (2014): 'Importance of Cloud base services in digital library', " Qualitative Information service "ISBN - 978-81-924518-6-2, Nish Publication, Kanpur, Uttar Pradesh, 328-329.
- Surve, S.S. and Gore Umesh Dattatraya (2014): ' The Leadership Role and management skill of Librarians for the academic Library ', "Role of Librarians in Modern Era ", ISBN - 978-93-81921-41-8, Sadhana Publication, Parbhani, Maharashtra, 29-31.
- Gore Umesh Dattatraya (2015): "Importance of Library Networking and consortia for Lirbary services " "Role of Librarians in Modern Era ", ISSN - 2350-0905, Publisher : The Principal, C.T. Bora College, Shirur, Maharashtra, 75-77.
- Gore Umesh Dattatraya (2015): "The Era of enhancing education in current scenario through information communication technology in academic digital library" Proceedings of the International Conference"Application of Advanced Technology for Enhancing Quality of Science Education ",, PES Modern College of Arts ,Commerce and Science ,Shivaji nagar ,Pune -5, Maharashtra, P9.

Commerce

Prof. Rupesh D. Bansode

- "Role of Foreign Institutional Investment in Indian Capital Market"-National Seminar organized by Abeda Inamdar College Pune 01.(ISBN 8-93-83777-01-3)
- "Impact of Television on Children"- National Seminar organized by Dr. Babasaheb Ambedkar College, Aundh, Pune 07.(ISBN:978-81-924177-7-6)
- "A Critical Review of the Tourisum Policies of the Brics Nations" - National Seminar organized by Shri Shivaji Maratha Society's Appasaheb Jedhe College Pune-2 (ISBN 978-93-84916-90-9)
- "A Critical Review of E-Marketing" International Research Journal of Commerce, Management and Social Sciences IRJCMSS, Gramonnati Mandal's Arts commerce and Science College, Narayangaon, Tal: Junnar, Dist: Pune (ISSN: 2321-9831).
- "Role of Indian Banking Sector in Globalisation" Seminar organized by Mahatma Phule College, Pimpri, Pune.

WCBS

BBA

Prof. Amol Shinde

 MKSSS's Hiraben Nanavati Institute of Management (HNIMR)-Pune.

International Conference on "Business Sutra" for Competitive Era under the QIP of Savitribai Phule Pune University (14th February 2015).

Title: Behavioral Finance: A study of Behavioral Business Sutra for today's competitive era through selective cases.

ISBN No: 978-81-924627-5-2

 I.B.M.R. Wakad's Journal of Management Research (ISSN: 2349-8722) March 2015

Title: A study of behavioural finance and effect of multiple domestic business strategy through selective case.

BCA

Prof. Gauri Khire

Name of Book:- Programming in Visual Basics. ISBN: - 978-93-5158-198-7

Publisher:- Success Publication

Prof.Shridevi A. Pawar

 "Review of challenges Benefits and drawbacks in M-Commerce with reference to Consumers and businesses.", National Research Journal "Bhushan", ISBN 978-93-84916-63-3

M.Com. (Non-Grant)

Asst.Prof.Vaishali Doshi (Coordinator M.com)

- * " A comparative study of e-banking with traditional banking" in International Research Journal of Commerce, Management &Social Sciences. ISSN-2321-9831-VOL-1-JULY-DEC 2014.
- "Opportunities And Challenges For Banking sector in 2020"at National Conference organized by Modern Institute of Business Management on 24th September, 2013 [ISSN - 2347-2405]

Asst.Prof. Niketan Shet :

- "Universal Banking: Financial Mall by Banks" -International Research Journal of Commerce and Management, Volume Dec, 2014.
- A Review of Corporate Social Responsibility by Banks in India" at World Conference organized by Y. M. College, Bharati Vidyapeeth Deemed University on 14th Feb, 2014. [ISSN - 2321-8819]
- "Role of Reserve Bank of India in reform period" at National Conference organized by

Modern Institute of Business Management on 24th September, 2013 [ISSN - 2347-2405]



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प्रा. सीताराम रायकर - एक स्मरण

(राजीव कुलकर्णी (माजी शिक्षंक, इंग्रजी विभाग)

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प्रा. सीताराम रायकर यांचे फेब्रुवारी २०१५ या महिन्यात निधन झाले. मॉडर्न कला, शास्त्र आणि वाणिज्य महाविद्यालयाची (शिवाजीनगर, पुणे ५) स्थापना १९७० साली झाली. निरनिराळ्या तज्ज्ञ प्राध्यापकांची नेमणूक झाली. प्रा. सीताराम रायकर हे मॉडर्न महाविद्यालयाच्या इंग्रजी विभागाचे पहिले Head of the Department, HOD - विभागप्रमुख बनले. सन १९७२ ते १९७४ या कालखंडामध्ये मी

मॉडर्नचा कलाशाखेचा विद्यार्थी म्हणून रायकर सरांच्या मार्गदर्शनाखाली अध्ययन केले. इंग्रजी हा मुख्य विषय

घेणारे विद्यार्थी त्यावेळेस संख्येने खूप कमी असायचे. आमच्या सात-आठ विद्यार्थ्यांच्या वर्गाला रायकर सर, महाविद्यालयाच्या जिन्यांमध्ये असलेल्या किंवा 'D' किंवा 'B' लहानशा खोल्यांमध्ये इंग्रजी साहित्य अत्यंत मन लावून, तळमळीने शिकवीत असत. रायकर सर अतिशय उपयुक्त अशा 'नोटस्' 'डिक्टेट' करीत असत. त्या सांगताना, विद्यार्थी त्या बरोबर लिहीत आहेत की नाही याकडे सरांचे बारीक लक्ष असे. त्या काळी मॉडर्नच्या कलाशाखेचे बहुतेक विद्यार्थी माझ्याप्रमाणेच मराठी माध्यमातून शालेय शिक्षण पूर्ण केलेले विद्यार्थी असत. इंग्रजी जरा बेतातेच असायचे. अशा नोट्स लिहिताना रायकर सरांनी माझे 'until', 'humorous' अशा शाब्दांचे spelling बरोबर केलेले मला अजूनही आठवते.

बहुतेक मी रायकर सरांचा थोड्या मर्जीतील विद्यार्थी असावा. कारण १९७७ साली, मी एम. ए. पास झाल्यावर लगेचच, रायकर सरांनी माझी कनिष्ठ महाविद्यालयात क्लॉक अवर बेसिसवर आणि १९७९ मध्ये पूर्ण वेळ इंग्रजी शिक्षक म्हणून विभागप्रमुख या नात्याने नेमणूक केली. अशा रीतीने, मी रायकर सरांचा कनिष्ठ महाविद्यालयीन शिक्षक सहकारी बनलो. तो सहवास ते निवृत्त होईपर्यंत कायम होता.

१९७२ ते १९७४ हा मॉडर्नमधील विद्यार्थी म्हणून काळ फार सुरेख आणि संस्मरणीय होता. कॉलेजची इमारत केवळ 'य्राऊंड प्लस वन' अशी दुमजली, दुमदार होती. इमारतीसमोर विस्तीर्ण पोलीसग्राऊंड होते. त्यावर पोलीस वसाहत निर्माण झालेली नव्हती. स्वत: रायकर सर, धायगुडे सर, नातू सर इंग्रजी शिकवायचे. प्रा. श्यामला वनारसे, डॉ. भीमराव कुलकर्णी, डॉ. द. दि. पुंडे, प्रा. डॉ. वि. भा. देशपांडे, प्रा. नांदेडकर असा निष्णात शिक्षकवृंद आम्हाला लाभलेला होता.



एस.वाय.बी.ए. नंतर मला मॉडर्न सोडून फर्गसनला जावे लागले, कारण त्यावेळेस मॉडर्नमध्ये इंग्रजी हा मुख्य विषय घेऊन बी.ए. करण्याची सोयच नव्हती. फर्गसनमध्ये सरांच्या पत्नी प्रा. शुभांगी रायकर यांचा विद्यार्थी बनण्याचेही सद्भाग्य लाभले. आज मॉडर्न मधून विद्यार्थी इंग्रजीमध्ये एम.ए. करू शकतात.

रायकर सरांचा इंग्रजी आणि मराठी वाङ्मयाचा अफाट व्यासंग, त्यांचे निसर्गप्रेम, त्यांची ट्रेकिंगची आवड, त्यांचा प्रचंड लोकसंग्रह, त्यांचे विद्यार्थिप्रेम यांचा प्रचंड पुस्तकसंग्रह, त्यांचे कलाप्रेम इत्यादी त्यांची सर्व गुणवैशिष्ट्ये सर्वज्ञात आहेत.

एकदा काही कारणासाठी मी सरांना 'Rayan's Daughter' या अभिजात इंग्रजी चित्रपटाच्या दिग्दर्शकाचे नाव विचारले. सरांच्या जिभेवर तात्काळ उत्तर होते - David Lean. मी खरे तर शम्मी कपूरचा जबरदस्त फॅन, परंतु एकदा सरांच्या सोबतीत त्याकाळचा छायागीत हा कार्यक्रम पाहाताना, शम्मीच्या एका गाण्याच्या चित्रपटाचे नाव मलाही ठाऊक नव्हते. ते सरांना ठाऊक होते - 'वल्लाह क्या बात है ' ! खरेच सरांच्या सर्वश्रतपणाची 'क्या बात थी !'

रायकर सर पट्टीचे खवय्ये होते. त्यांची आणि माझी शेवटची प्रत्यक्ष भेट झाली ती साधारण दोन-अडीच वर्षांपूर्वी, नारायण पेठेतील अण्णा बेडेकर यांच्या सुप्रसिद्ध मिसळीच्या उपहारगृहात ! रायकर सरांच्या पाककौशल्याचे विशेषत: भेळेसाठी कांदा कापण्याच्या खास कसबाचे वर्णन तर साक्षात अनिल अवचट यांनी त्यांच्या पुस्तकांमध्ये लिहिलेले आहे.

प्रा. सीताराम रायकर हे एक सौम्य व्यक्तिमत्त्व होते. त्यांची राहणी अत्यंत साधीसुधी होती; परंतु नीटनेटकी आणि स्वच्छ अशी होती. त्यांच्या गळ्यात कायम असलेल्या शबनम बॅगमध्ये पुस्तके गच्च भरलेली असायची. विभागप्रमुख असताना, किंवा संस्थेचे सचिव असताना, किंवा महाविद्यालयाचे उपप्राचार्य असताना सरांनी कधीही अधिकार गाजवला नाही. मला चांगले आठवते की आमच्या कनिष्ठ महाविद्यालयातील इंग्रजी शिक्षकांची 'स्टाफ मीटिंग' अवघ्या दहा मिनिटांमध्येच आटोपत असे.

मी शिक्षक म्हणून नियुक्त झाल्यावर, फक्त एकदाच रायकर सर माझा तास 'पाहायला' आले हाते. (तेही बहुतेक त्यावेळेस असलेल्या प्राचार्यांच्या आदेशानुसार !) वर्गामध्ये O. Henry या सुप्रसिद्ध कथालेखकांची अतिप्रसिद्ध कथा 'The Gift of the Magi'

या कथेचे वाचन सुरू होते. काही काळानंतर, एका परिच्छेदामध्ये असलेली एक spelling ची चूक सरांनी विद्यार्थ्यांना शोधायला सांगितली. कोणाही विद्यार्थ्याला (आणि मलाही) ती सापडली नाही. अखेर रायकर सरांनीच दाखवून दिले की, 'dully' च्या ऐवजी 'duly' असे छापले गेलेले होते. ही घटना साधारण १९७८ / ७९ सालातील असेल. अत्यंत गंमतीची गोष्ट म्हणजे आज, २०१५ या वर्षाच्या अकरावीच्या इंग्रजीच्या क्रमिक पुस्तकात तीच कथा आहे आणि ती spelling mistake आजही तशीच आहे. धन्य ते क्रमिक पुस्तकाचे संपादक मंडळ !

रायकर सरांची नर्म विनोदबुद्धी दाखवून देणारा आणखी एक प्रसंग. अकरावीची कोणतीतरी एक अंतर्गत परीक्षा होती. परीक्षा ५० गुणांची होती; परंतु परीक्षेचे गुण मांडताना ते दुप्पट करून १०० गुणांपैकी असे मांडायचे होते. मी आणि माझ्या एका सहकारी इंग्रजी शिक्षकाने एका वर्गासाठी ते गुण दुप्पट न करता, ५० पैकीच नोंदवून टाकले. ही गोष्ट त्यावेळचे गणित आणि संख्याशास्त्र विभागाचे विभागप्रमुख प्रा. चिरपुटकर सर यांच्या ध्यानात आली. ते रायकर सरांना आमच्यासमोरच म्हणाले, ''रायकर, कोणताही आकडा दुप्पट केला की तो odd number राह शकत नाही. तो even number होतो, हे तुमच्या तरुण सहकाऱ्यांच्या लक्षात यायला हवे होते.'' यावर आमच्याऐवजी रायकर सरांनीच तात्काळ प्रत्युत्तर दिले, '' अहो चिरपुटकर, आम्ही भाषा आणि वाङ्मयाचे विद्यार्थी, असले आकड्यांचे खेळ माझ्या स्वनःच्याही लक्षात येत नाहीत, त्यात ही तर काय तरुण मूले !' रायकर सरांच्या या दिलखुलास, विनोदी उत्तरामुळे माझी आणि माझ्या सहकारी शिक्षकाची मात्र सहजी सुटका झाली.

रायकर सरांच्या अशा अनेक आठवणी आज मनात दाटत आहेत. १८ फेब्रुवारीला रायकर सरांचा वाढदिवस. तो पाहायला सर राहिले नाहीत. त्यांच्यासारख्या संपूर्ण निर्व्यसनी माणसाला कॅन्सरसारख्या रोगाने गाठावे हा दैवदुर्विलास ! रायकर सर त्यांचे मित्र, विद्यार्थी आणि सहकाऱ्यांच्या स्मरणात कायम राहातील.

सरांच्या शोकसभेत मा. डॉ. गजानन एकबोटे यांनी विद्यार्थ्यांसाठी सरांच्या नावाने शिष्यवृत्ती / पारितोषिक सुरू करण्याचे आश्वासन दिलेले आहे.

प्रा. सीताराम रायकर सरांच्या स्मृतीस त्यांच्या एका विद्यार्थ्याचे विनम्र वंदन !

RAR

लेखक राजीव कुलकर्णी हे मॉडर्न कला, शास्त्र व वाणिज्य महाविद्यालय, शिवाजीनगर, पुणे ५ या संस्थेमध्ये १९७९ ते २०११ या काळात इंग्रजी विषयाचे कनिष्ठ महाविद्यालयीन शिक्षक होते.

आयुष्यात येणारे काही क्षण...

थोडे आनंदी, थोडे दुःखद थोडे मोकळे, तर थोडे कंठ दाटवणारे थोडे कष्टिक, तर थोडे सहज थोडे कठिण तर थोडे सोपे वाटणारे आयुष्यात येणारे काही क्षण...

हारलेल्याला जिंकवणारे काही क्षण कथी जिंकलेल्याला हरवणारे काही क्षण अडचणी तर पळतच असतात मागे, परंतु त्यावर मात कछन आपल्याला दिशा दाखवणारे काही क्षण...

थोडे येतात प्रत्येकाच्या वाटेला, जगण्यात रंग भरणारे काही क्षण, तर चेहऱ्यावर रंग उडवणारे काही क्षण आयुष्यात मार्ग दाखवणारे काही, तर आपली वाटचाल चुकवणारे काही क्षण...

क्षण कधी असे, ज्यात आपण रमतो मनाच्या सूक्ष्म जगात, आनंदाचा मेळावा जमतो जिवंत पणाचं लक्षण जणू, काही क्षण, तर कधी, थोडं-थोडं करून, जीव घेणारे काही क्षण...

हवेहवेसे वाटणारे काही क्षण कधी नकोसे होतात काही क्षण क्षण, जे हिरमसुन टाकतात मन पण, नकळत मनात घर करतात काही क्षण असेच असतात... आयुष्यात येणारे काही क्षण...

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अरूपास पाहे रूपी तोच भाग्यवंत निसर्गात भरूनी राहे अनादि अनंत **- सुधीर मोघे** (पक्ष्यांचे ठसे)

भारतीय संविधान एक सुवर्णालंकार !

(प्रा. रवींद्र इंगोले (जीवशास्त्र)

Service Contraction Contraction of the Contraction

सन १९४५ मध्ये द्वितीय महायुद्ध समाप्त झाले आणि भारताचा तीव्र आंदोलन लढा पाहून त्यांच्या या स्वातंत्र्याच्या प्रश्नाला इंग्रजांनी प्राधान्य दिले. ब्रिटिश शासनाने हस्तांतरण, पद्धती, प्रक्रिया सुचविण्यासाठी एक त्रिसदस्यीय शिष्टमंडळ भारतात पाठविले. त्यास कॅबिनेट मिशन असे संबोधण्यात आले. त्यांनी १६ मार्च १९४६ ला भारताचा भावी राज्यकारभार चालविण्याच्या



दृष्टीने संविधान निर्मितीसाठी एक सभा स्थापन करण्यात यावी असे सुचविले. या प्रस्तावानुसार संविधान सभेच्या स्थापनेसाठी निवडणुका घेण्यात आल्या. २९६ सदस्यांचे निर्वाचन प्रांतीय विधानमंडळाच्या निर्वाचित सदस्यांद्वारे करण्यात आले. बंगाल विधान मंडळातून श्री. जोगेंद्रनाथ मंडल व इतर सदस्यांच्या पाठिंब्यावर डॉ. आंबेडकर हे निवडून गेले. संविधान अर्थात घटना समितीची उद्घाटनपर पहिली सभा दि. ९/१२/१९४६ रोजी संपन्न झाली. दि.११/१२/ १९४६ रोजी, समितीच्या सदस्यांनी **डॉ. राजेंद्रप्रसाद** यांना घटना समितीचे स्थायी अध्यक्ष म्हणून निर्वाचित केले.

संविधानाची मूलतत्वे निर्धारित करताना डॉ. राजेंद्रप्रसाद यांनी १७ डिसेंबर १९४६ रोजी, डॉ. आंबेडकर यांना प्रस्तावावर मत मांडण्यास सांगितले. त्यांनी दिलेल्या ऐतिहासिक, अभ्यासपूर्ण भाषणामुळे, देशप्रेम, आपुलकी, तळमळ व्यक्त केल्याने सर्व सदस्य अचंबित व प्रभावित झाले. जरी अनेक, जाती, धर्म, भाषा, प्रांत असले, तरी आपण '**एक राष्ट्र'** होऊ याबद्दल माझ्या मनात संदेह नाही. असे राष्ट्रहिताला सर्वोच्च प्राधान्य देणाऱ्या बाबासाहेबांच्या विद्वत्ता, बुद्धिमत्तेमुळे संपूर्ण सभागृह अवाक् झाले. कॅबिनेट मिशनने मूलभूत अधिकार, अल्पसंख्यांक आदी विषयांसाठी सल्लागार समित्या स्थापन करण्यास सुचविले. त्यानुसार घटना समितीने ३० एप्रिल १९४६ रोजी संघ अधिकार समिती, संघ संविधान समिती, प्रांतीय संविधान समिती धरून एकूण सात समित्या नियुक्त केल्या. डॉ. आंबेडकरांनी विविध समित्यांवर अत्यंत मोलाचे काम केले. बंगाल प्रांताचे विभाजन करण्यात आले. त्यामुळे डॉ. आंबेडकरांचे सदस्यत्व रद्द झाले. परंतु डॉ. राजेंद्रप्रसाद यांनी मुंबईचे तत्कालीन

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मुख्यमंत्री श्री. बी. जी. खेर यांना डॉ. आंबेडकरांची घटना समितीवर निवड त्वरित व्हावी असे सुचविले.

श्री. सत्यनारायण सिन्हा यांनी सात सदस्यांच्या मसुदा चिकित्सा समितीची नियुक्ती करण्याच्या प्रस्ताव मांडला. श्री. अल्लादी कृष्णस्वामी अय्यर, श्री. एन. गोपालस्वामी अय्यंगार, डॉ. बी. आर. आंबेडकर, श्री. के. एम. मुन्शी, श्री.सय्यद

मोहमद सादुल्लाह, श्री. बी. एल. मत्तिर, श्री. डी. पी. खेतान यांची समिती नियुक्त करण्यात आली. दि. २९ ऑगस्ट १९४७ रोजी मसुदा समितीच्या अध्यक्षपदी डॉ. बाबासाहेब आंबेडकरांची ते कायदेतज्ज्ञ, ज्ञानपिपासू, विद्वान, उच्चविद्याविभूषित, मुद्देसूद आणि सुस्पष्ट विश्लेषण करणारे असल्याने निवड झाली.

मसुदा समितीने संविधान निर्मितीचे कार्य सुरू केले. अत्यंत महत्वाच्या विषयावर, प्रस्तावावर प्रत्येक अनुच्छेदावर क्रमवार, सखोल महाचर्चा, संवाद होऊन योग्य ते दुरुस्ती प्रस्ताव स्वीकारून भारतीय राज्यघटना २ वर्ष, ११ महिने १७ दिवसांनी तयार झाली. संविधान सभेचे सत्र दि. २६ नोव्हेंबर १९४९ ला संपले. हा मसुदा आठ महिनेपर्यंत लोकांच्या अवलोकनार्थ उपलब्ध होता. डॉ. बाबासाहेब आंबेडकरांनी हे संविधान डॉ. राजेंद्रप्रसाद घटना समितीचे स्थायी अध्यक्ष यांच्याकडे देशासाठी अर्पित केले. ते स्वीकृत झाले असे घोषित करण्यात आले. त्यावर संविधान सभेच्या अध्यक्षांनी स्वाक्षरी केली. म्हणून या दिनाला संविधान दिन असे संबोधतात. आपली समतादिष्ठित लोकशाही ज्या ३ खांबावर उभी आहे ते म्हणजे कायदेमंडळ, मंत्रिमंडळ आणि न्यायसंस्थेची आहे.

इतर देशांच्या संविधानाची तुलना करताना असे आढळते की, अमेरिकेच्या म्हणजेच कॅनडाच्या संविधानात १४७ अनुच्छेद, ऑस्ट्रेलिया-१२८, अनुच्छेद, दक्षिण आफ्रिका - १५३, आयर्लंड - ६३, संयुक्त राज्य - २८, सोव्हिएट संघराज्य - १४६, स्वित्झर्लंड - १२३, जर्मन राईश - १८१, जपान १०३ अनुच्छेद. यांच्या तुलनेने भारतीय संविधानात ३१५ अनुच्छेद व ८ परिशिष्टे आहेत. २४७३ दुरुस्त्या सुचविण्यात आल्या. वरीलपैकी कोणत्याही देशाच्या संविधानात दोनशेपेक्षा जास्त अनुच्छेद नाहीत. त्यावेळी भारत हा ३० कोटी लोकसंख्येचा, विविध धर्म, जाती, भाषा, राजे आणि संस्थाने असलेला देश होता. या सर्व घटकांना एकत्र आणून वर्तमान लोकशाही तत्वांच्या आधारावर करावयाचे असल्याने मोजक्या अनुच्छेदात त्यांचा समावेश करणे शक्य नव्हते. म्हणून घेतलेल्या कठोर परिश्रमाबद्दल प्रो. शिब्बनलाला सक्सेना, श्री. सारंगधर दास, श्री. आर. दिवाकर व अनेक संसद सदस्यांनी तसेच डॉ. राजेंद्रप्रसाद, पं. जवाहरलाल नेहरू यांनी घटना तयार करण्याचे सर्व श्रेय डॉ. बाबासाहेब आंबेडकर यांना दिले.

खंडप्राय देशाच्या विकासासाठी, उन्नतीसाठी आणि सुसंगत प्रावधानांनी युक्त असे हे संविधान विधेयक निर्मिले याबद्दल भावी पिढ्यांना या समितीचा सार्थ अभिमान असेल असे गौरवोद्गार व्ही. आय. मुनीस्वामी यांनी काढले.

श्री. टी. टी. कृष्णम्माचारी यांनी अभिनंदनपर अभिप्राय देताना सांगितले की, या सभागृहाला याची जाणीव असेल की, ''याच सभागृहाने मसुदा समितीवर ज्या सात सदस्यांची नियुक्ती केली होती त्यापैकी एकाने या सभागृंहाचा राजीनामा दिला (बी.एल. मित्तर), म्हणून त्यांच्या जागी दुसऱ्यांना नियुक्त करण्यात आले. (एन. माधव राव), एकमात्र सदस्याचा मृत्यू झाला (डी. पी. खेतान) आणि ती जागा रिकामीच राहिली. एक सदस्य दूर अमेरिकेत निघून गेले आणि त्यांचीही जागा भरली गेलीच नाही. दुसरे एक सदस्य दिल्लीपासून फार दूर होते आणि कदाचित प्रकृतिस्वास्थ्याच्या कारणावरून त्यांनी बैठकीत भाग घेतला नाही. याचा अंतिम परिणाम असा झाला की, या संविधानाचा मसुदा तयार करण्याची संपूर्ण जबाबदारी डॉ. बी. आर. आंबेडकर यांच्यावर आली आणि त्यांनी हे महत्वपूर्ण कार्य निःसंशय अत्यंत समर्थपणे पूर्ण केले यात तिळमात्र शंका नाही. याकरिता आम्ही त्यांचे कृतज्ञ आहोत.''

वैशिष्ठे :

- भारतीय राज्यघटनेने न्याय, स्वातंत्र्य, समानता, बंधुता या चार आदर्श तत्त्वांचा अंगीकार केला.
- २) एक व्यक्ती, एक मत, एक मूल्य ठरविले.
- विविध प्रांतांतील संस्थानांना बरखास्त करून भारत एकसंघ राहाण्यासाठी संघराज्याची निर्मिती, प्रभावी न्यायव्यवस्था.
- अमेरिकेच्या अध्यक्षीय शासनप्रणालीऐवजी संसदीय शासन-प्रणालीचा स्वीकार केला. ही प्रणाली संसदेतील बहुमतावर अवलंबून असून, अशा शासनाचे संसदेप्रती उत्तरदायित्व असते.
- ५) स्त्री-पुरुष समानता. प्रत्येक नागरिकाला मूलभूत व मतदानाचा समान अधिकार दिला.
- ६) राष्ट्रपतीचे स्थान, ब्रिटिश संविधानातील राजाच्या स्थानसदृश्य आहे. तो राष्ट्राचा प्रमुख आहे. पण प्रशासनाचा प्रमुख नाही.

यांच्या साहाय्याने राष्ट्राचे निर्णय घोषित करण्यात येतात. तो राष्ट्राचे प्रतिनिधित्व करतो, पण राष्ट्रावर राज्य करीत नाही.

- ७) केंद्रस्थानी संघ आणि सभोवार राज्ये-केंद्रशासन आणि राज्यशासन, दुहेरी सत्ताकेंद्रासहित एकच नागरिकत्व प्रदान करण्यात आले. संपूर्ण देशातून निवडून आलेल्या लोकप्रतिनिधींचे लोकसभा व निर्धारित मतदारसंघातून निर्वाचित झालेल्यांची राज्यसभा ज्यामध्ये. राष्ट्रपतींनी नामनिर्देशित केलेले साहित्य, कला, विज्ञान, क्रीडा क्षेत्रांतील सदस्यांचा समावेश.
- ८) या देशाला राष्ट्रीय एकात्मता, अखंडता, एकसंघ, धर्मनिरपेक्ष ठेवण्यासाठी संपूर्ण देशासाठी एकच न्यायव्यवस्था, मूलभूत कायद्यासंबंधी दिवाणी आणि फौजदारी कायद्यासंबंधी एकवाक्यता, महत्वाच्या पदावर नियुक्तीकरिता अखिल भारतीय स्तरावर नागरी सेवा आहे.
- ९) सती प्रथा, विधवांचे केशवपन, धर्म, भाषा, प्रांत, लिंग, जातीवर आधारित भेदभाव या व इतर अयोग्य प्रथा कायद्याने बंद करून, पुनर्विवाह, महिलांना संपत्तीत समान वाटा व अधिकार, रोजगाराची सर्वांना संधी अशा बाबींना चालना देवून, सामाजिक समता प्रस्थापित केली.
- १०) सर्व व्यक्तींना समान मूलभूत स्वातंत्र्य, अत्र, वस्त्र, निवाऱ्याचा हक्क, शिक्षणाचा हक्क संविधानाने दिला. यापूर्वी बंदी घातलेल्या धर्मस्वातंत्र्य, भाषणस्वातंत्र्य, लिखाणस्वातंत्र्यास या बाबीस अधिकारांचे स्वरूप दिले गेले.

संविधान हे भारताच्या भवितव्याची जडणघडण करणारे आहे. या खंडप्राय देशात राहाणाऱ्या लोकांसाठी सन्माननीय असे सामाजिक, राजकीय आणि आर्थिक स्थान निर्माण करण्याचा तो दस्तऐवज आहे. डॉ. बाबासाहेब आंबेडकरांनी दि. २९.९.१९४९ रोजी संसदेत संबोधित करताना सांगितले की,

"If we wish to preserve the constitution in which we have sought to enshrine the principle of Government of the people, for the people, and by the people. Let us resolve not to be tardy in the recognition of the evils that lie across our path and which induce people to prefer government for the people to Government by the people, nor to be weak in our initiative to remove them. This is the only way to serve the country. I know of no better."

"On 26th January 1950 we are going to enter into a life of contradictions. In politics we will have equality and in social and economic life we will have inequality. In politics we will be recognizing the principle of one man one vote and one vote on value."

संविधानाच्या प्रास्ताविकात सांगितले आहे की, ''आम्ही भारताचे लोक, भारताचे एक सार्वभौम समाजवादी धर्मनिरपेक्ष, लोकशाही गणराज्य घडवण्याचा व त्याच्या सर्व नागरिकांस सामाजिक, आर्थिक व राजनैतिक न्याय, विचार, अभिव्यक्ती, विश्वास, श्रद्धा व उपासना यांचे स्वातंत्र्य, दर्जाची व संधीची समानता निश्चितपणे प्राप्त करून देण्याचा आणि त्या सर्वांमध्ये व्यक्तीची प्रतिष्ठा व राष्ट्राची एकता आणि एकात्मता यांचे आश्वासन देणारी बंधुता प्रवर्धित करण्याचा संकल्पपूर्वक निर्धार करीत आहे.''

आवाहन : सामाजिक, आर्थिक, शैक्षणिक क्षेत्रांतील असमानता दूर करण्यासाठी प्रत्येकाने खंबीरपणे पावले उचलल्यास समृद्ध भारत घडविण्याचे घटनेच्या शिल्पकाराचे स्वप्न साकार होईल. सर्वश्रेष्ठ भारतीय संविधानाचा प्रत्येक क्षणाला आदर, सन्मान करून, स्वातंत्र्यासाठी लाखो ज्ञात व अज्ञातांनी केलेल बलिदानाचे स्मरण करून, देशाप्रती, समाजाप्रती सामाजिक बांधीलकीने समर्पित, सुखी, आनंदी, समाधानी व यशस्वी जीवन स्वत: जगण्यासाठी व इतरांना जगू देण्यासाठी संकल्प करू या !

भारतीय संविधान एकदा संपूर्ण वाचून काढू या ! ठ्रठ्रठ्ठ

अ वाट पाहते मी... 🐳 वाट पाहते त्या आयुष्याची, जिथे सुख-दुःख केवळ माझे असतील वाट पाहते त्या क्षणाची ज्याच्यात राग-लोभ यांचा समावेश नसेल वाट पाहते त्या जागेची जिथे माझी मीच असेल रेकायला आणि बोलायला कुणीही नसेल वाट पाहते त्या श्वासाची जो श्वास घेऊन मोकळं वाटेल -ज्या पलीकडे असे वाटणार नाही, की मनात कधी काही दाटेल वाट पाहते त्या मैत्रीची जी घेण्या-देण्या पुरती सीमित नाही राहणार मैत्री ती, ज्याला मी माझं सर्वस्व वाहणार वाट पाहते त्या जागेची ज्यात भी लोकांसाठी नसून लोक माझ्यासाठी असतील वाट पाहते त्या आशेची जी निराशेत कधी बदलणार नाही. वाट पाहते मी...

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- प्रतिक्षा प्रकाश विंचूरकर (T.Y.B.Com.)

🦇 निर्भया 🥎

मुक्त मनाने स्वच्छंदपणे पंख तिने पसरले घेतली उंच झेप मोठ्या उत्साहाने झाला तिचा दिवस भराचा प्रवास चिमणी निघाली घरट्याकडे वेळ होती ती तिच्यासाठी काळोखाची नव्हती जाणीव तिला त्या अंधाराची गुंतली होती ती तिच्या नवनव्या स्वप्रांमध्ये स्वप्न आणि अंधारात झाला घात तिच्या जीवावर ओढावले भयंकर संकट तिच्यावर ज्याची चाहुल ही नव्हती त्या बिचारीला आक्रोश घुमला सगळीकडे नाही रेकला कोणत्याही कानाने क्षणात कोमेजून गेले स्वप्न सुन्न झाले मन विस्कटलेले केस, वेदनाहीन जखमा, पाय असूनही गळून गेलेले तिचे मनोबल जाणवे सर्वत्र दलदल सावरले कसेबसे स्वतःला काळाबरोबर औषधे लावली जखमांना जखमा आल्या भक्तत पण मनाची जन्बम निघते आजही त्या भयंकर आठणीने ओरबाडून आता संपली सहनशक्तीची सीमा मिळणार नाही कोणालाही क्षमा उठली तिची पावले संहारासाठी चमकली तलवार स्त्री स्वातंत्र्याची नाहीशी झाली कोमलता आता आली कणखरता नष्ट झाली निरागसता डोळ्यांत आली प्रतिशोधाची ज्वाला केला पराजय नराधमांचा शांत झाला उद्रेक मनाचा झेंडा फडकवला स्त्री स्वातंन्र्याचा नाही सर्फ देणार स्वप्नांना आता घेतला प्रण म्हणूनी, 'जय हो भारतमाता' - ज्योत्स्ना हुलबट्टे (S.Y.B.Com.)

'मीठा'चा साम्राज्यवाद

डॉ. मंदा आदमाने (इतिहास विभाग) annon Oto Seconseconseconsecons

''मीठ'' ही आज सहज मिळणारी जीवनावश्यक वस्तू वाटते. पण ह्या मीठाने प्राचीन मानवी संस्कृतीच्या काळापासून तर विसाव्या शतकापर्यंत अनेक साम्राज्य निर्माण केली आणि उद्ध्वस्तही केली. मीठासाठी अनेक शोधमोहिमा निघाल्या, लढाया झाल्या, राज्यक्रांत्या झाल्या, राजवटी बदलल्या, आर्थिक साम्राज्यवाद निर्माण केला होता, यावर विश्वास बसणार नाही. पण ही वस्तुस्थिती आहे की, जगात प्राचीन काळात मिठाने साम्राज्यवाद निर्माण केला होता.

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''मीठ राखील तो राज्य राखील.'' ही म्हण प्राचीन, मध्ययगीन काळात पाश्चात्त्य देशात प्रचलित होती.

मानवाने स्थिर जीवनाला सुरुवात केल्यापासून मीठाला महत्त्व प्राप्त होऊ लागले. माणूस शेती करू लागला. धनधान्य पिकव् लागला. त्याच्या खाण्यात भाज्या, पाळीव जनावरांचे मांस, मासे येऊ लागले. ते अन्न म्हणून टिकविण्यासाठी मिठाची गरज वाटू लागली. मीठ माणसाच्या आयुष्याची गरज होती. मिठाचा पुरेसा साठा जवळ असणे महत्त्वाचे ठरले. त्यामळे मीठ तयार करणे हा जगातील पहिला उद्योग ठरला. हे जगातील व्यापाराचे महत्त्वाची वस्तू ठरली आणि सत्ताधाऱ्यांना आपली सत्ता केंद्रित करण्याच्या दृष्टीने मक्तेदारीसाठीचे पहिले साधन ठरले. आधुंनिक भूगर्भशास्त्राने सिद्ध करेपर्यंत मीठ हे पृथ्वीवर सर्वत्र मिळू शकते हे सिद्ध होईपर्यंत २०व्या शतकापर्यंत त्याचा शोध मोठ्या प्रमाणावर घेतला गेला. त्याचे प्रचंड साठे होत राहिले. त्या साठ्याची मालकी मिळविण्यासाठी लढाया झाल्या. त्या काळात मीठावर कर लादून त्या महसूलातून सैनिकाचे पगार मीठरूपातच दिले जात. हे आज आपल्याला हास्यास्पद वाटत असले तरी प्राचीन व मध्ययुगीन काळात मिठाने साम्राज्यवाद निर्माण केला होता हे तेवढेच खरे आहे. जे मोलाचे असते त्यालाच बाजारात भाव असतो, हे मिठाने त्या काळात सिद्ध केले होते.

मिठाला लॅटिन भाषेत sal व फ्रेंच भाषेत solde म्हणतात. (वेतन, मोबदला) त्यातूनच शब्द आलेला आहे. रोमन लोक हिरव्या भाज्यांना मीठ लावून त्याचा उग्रपणा कमी करीत. यातनच salad हा शब्द प्रचलित झाला. salt शब्दापासून salary हा शब्द आलेला आहे. त्या काळात युरोपीय राष्ट्रात मीठाच्या रूपात सैनिकाचे पगार दिले जात त्यातूनच "worth his salt", earning his salt हे वाक्प्रचारही त्यातूनच निर्माण झाले आहे. पूर्वेकडील आशियायी राष्ट्रांना प्राचीन काळात प्रगत संस्कृती लाभल्यामुळे फारसे मिठाचे साम्राज्यवाद निर्माण झालिले दिसून येत नाही.

भारताच्या पूर्व-पश्चिम किनाऱ्यावर भरपूर मीठक्षेत्र आहे व मधल्या भागात दगडी मिठाचे साठे आहेत. मिठाची सरोवरे आहेत. कच्छच्या भागात ५ हजार वर्षांपूर्वी पासून बनत आलेले आहे व ज्या भागात मीठ तयार होत नाही, तेथे मीठ पोहोचविण्याची सोय प्राचीन काळापासून आहे. तेव्हापासूनच मिठावर अल्प कर आकारणी होत आली आहे. त्यावरून भारतात कधी लढाया झालेल्या नाहीत, पण प्राचीन चीनमध्ये मात्र मिठावरून लढाया होत असत. जगातील पहिली मीठ विहीर चीनमधील शू (आजचा सिच्वान) प्रांताचा सुबेदार ली बिंग याने शोधून काढला. त्याने तो जलविद्याविशारद होता. त्याने चीनमध्ये पहिले धरण सिच्वानमध्ये बांधले ते आजही अस्तित्वात आहे. ली बिंगनेच धरणामध्ये खाऱ्या पाण्याचा मूलस्रोत भूगर्भातून शोधून त्याचा झिरपा वर खेचला आणि त्यातून मीठ मिळविले. तीन हजार वर्षांपासून येथे मीठ तयार केले जाते. इ.स.पूर्व २५० मध्ये त्याने चीनमधील छोट्या-छोट्या राज्यांना संघटित केले होते. पण पुढे कर आकारणीसाठी मीठ महत्त्वाची वस्तू ठरल्याने इ.स.पू. २२० मध्ये 'लिगॅलिझम' हे राजकीय तत्त्वज्ञान सतत अंमलात आणून मीठ व लोखंडावर शासकीय मक्तेदारी निर्माण करून मिळणाऱ्या महसूलातून सैन्य उभारणी करून वारंवार होणाऱ्या हुणांच्या आक्रमणाला परतवृन लावण्यासाठी ''ग्रेट वॉल'' उभारण्यात आली. टांग राजवटीच्या काळात (इ.स. ६०८ ते ९०७) अर्धा अधिक महसूल मिठापासूनच मिळत होता. पुढे ते श्रीमंतीच्या प्रदर्शनाचा एक भाग बनले. जेवणाच्या टेबलावर खास किंमतीच्या भांडयातून ठेवले जाऊ लागले. इ.स. १०६६ मध्ये एका 'ताओ' नावाच्या साधूने बंदुकीत वापरण्यासाठी दारू बनविली. हे चीनमधील पहिले औद्योगिक उत्पादन ठरले. त्यांचा लिगॅलिझम यशस्वी ठरला होता. लिगॅलिझम म्हणजे कठोर कायदे निर्माण करायचे आणि त्याचे काटेकोरपणे पालन करून राज्य चालविले, चीनप्रमाणेच व्हेनिस राज्याने मीठावर वित्तीय उभारणी केली होती.

पण रोमन शासकांनी चिनी शासकांसारखी मिठाची मक्तेदारी केली नाही. पण गरज पडली तेव्हा मिठाच्या किंमतीवर मात्र नियंत्रण ठेवले. रोमन इतिहासाचा विशेष अधिकार प्राप्त उच्चभ्रू वर्ग आणि मतदानाचा हक्क नाकारला गेलेले सामान्य यांच्यात सतत लढा चाललेला होता. सामान्य लोकांना कमीत कमी अधिकार देण्याचा प्रयत्न करीत त्यातूनच 'प्रत्येक माणसाला मिठाचा हक्क मिळावा' हा विचार मान्य झाल्याने सामान्य माणसाला मीठ सहजासहजी

उपलब्ध होण्यासाठी रोममध्ये मिठाच्या किंमतीला सबसिडी मिळत राहिली. ते सामान्यांच्या क्रयशक्तीत राखले गेले. आजही जनाधार मिळविण्यासाठी कोणतेही शासन करसवलतीचे प्रलोभन दाखविते. हाच हेतू सबसिडी देण्यामागे असतो. सम्राट ऑगस्टसने मार्क अँथनी व क्लिओपात्राचा निर्णायक पराभव करण्यासाठी मीठ व ऑलिव्ह तेल मुक्तपणे वाटून लोकांचा पाठिंबा मिळविला होता. याच रोमने इ.स.पूर्व २६४ ते १४६ या काळात चाललेल्या 'प्युनिक' युद्धात कार्थेज आणि फोनेशियन वसाहतीसह भूमध्य समुद्रावर अधिकार मिळविण्यासाठी मिठाच्या किंमती वाढवून युद्धनिधी मिळविला होता. पुढे रोममध्ये 'मीठ आकारणी करप्रणाली' तयार होऊन वेळोवेळी मिठाच्या किंमती ठरविण्याचे काम राज्यकोषागारातील अधिकाऱ्याचे असे त्याला salinator ही उपाधी देण्यात आली होती.

तेव्हापासूनच रोम टायबर नदीच्या मुखावरच्या मिठागराच्या टेकड्यांवरच वसले आहे. इटलीतील बहुतेक नगरे मिठागराच्या परिसरात वसलेली आहेत. इ.स.पूर्व ६४० मध्ये नदीच्या उत्तरेकडील मिठागरे एटुस्कन जमातींच्या ताब्यात होती. त्यांच्यावर अवलंबून न राहता रोमनांनी ऑस्ट्रियाच्या खोऱ्यात मिठागरे सुरू करून रोममधील पहिला राजमार्ग Road Salt तयार केला गेला. आपले साम्राज्य वाढविण्यासाठी महत्त्वाकांक्षा असणाऱ्या रोम शासकांनी मीठ उत्पादनाकडे लक्ष घातले. जनावरे व सैनिकांचे पगार देण्यासाठी पी.ए.चा वापर केला गेला. हंगेरी, ऑस्ट्रिया, ब्रिटन, जर्मची, सिसिली, स्पेन, उत्तर आफ्रिका व पोर्तुगालपर्यंतची सर्व मिठागरे आपल्या नियंत्रणात आणली होती. पुढे रोमन साम्राज्याचा ऱ्हास झाला होता. आपला गुणधर्म न बदलणारे मीठ हे खरेपणाचे प्रतीक मानले गेले. टेबलावर मीठपात्र ठेवून करारमदार केले जात.

इजिप्तमध्ये प्राचीन काळापासून अन्नधान्य, मांस, मासे टिकवण्यासाठी मिठाचा वापर मोठ्या प्रमाणात केला जात होता. नाईल नदीच्या त्रिभूज प्रदेशात मोठ्या प्रमाणात मीठ तयार केले जाई. इजिप्शियन लोक अन्नधान्याचा व्यापार करण्यात अग्रणी होते. मीठ हे व्यापाराकरिता वाहून नेण्यास अवघड व कटकटीचे असल्यामुळे अन्नधान्य, मांस, मासे खाऊन मध्यपूर्वेत व्यापार करीत. या निर्यातीने इजिप्तचे आर्थिक साम्राज्य बळकट केले होते. मिठाच्या बदल्यात गुलामांची देवणाघेवाण होत असे. आजचा दक्षिण लिबिया म्हणजे प्राचीन फेझान, इजिप्तच्या व्यापाऱ्यांचे संबंध होते. फेझानमध्ये इ.स.पूर्व तिसऱ्या मीठ उत्पादनासाठी प्रसिद्ध होते. तीन फूट उंचीचे मिठाचे ठोकळे गवती चटाईत गुंडाळून उंटावर लादून सहारा वाळवंट पार करून टिंबक्टू प्रांतापर्यंत म्हणजे पश्चिम व मध्य आफ्रिकेकपर्यंत व्यापारासाठी नेले जाई. मध्ययुगात ४० हजार उंटांच्या तांड्याने टाऊनेनी ते टिंबक्टू असा ४३५ मैलाचा प्रवास केल्याचा पुरावा मिळालेला आहे. अरबी प्रवासी इब्न बतूताने आपल्या या प्रवास वर्णनात तगाझा शहराचे वर्णन लिहून ठेवले आहे. ही संपूर्ण नगरी मिठाने उभारलेली असून, एक मोठी मशीदही मीठानेच उभारली असल्याचे सांगितले आहे. एक प्रगत सांस्कृतिक व शैक्षणिक केंद्र निर्माण झाले आहे. ते केवळ मिठाच्या व्यापारामुळे झाले होते.

चीनमप्रमाणेच व्हेनिस मिठावर वित्तीय उभारणी करणारे दुसरे राष्ट्र. व्हेनिस हा रोमन साम्राज्याचा भाग नव्हता. व्हेनिसची स्पर्धा ही ऑड़ियाटिका किनारपट्टीवरील कोमाचिओ ह्या जवळच्या राज्याशी होती. इ.स. ९३२ मध्ये तेथील मिठागरे उद्ध्वस्त करून ही स्पर्धा संपविली आणि नवीन धोरण अवलंबिले. मीठ तयार करीत बसण्यापेक्षा खरेदी करून विकण्यात जास्त नफा आहे हे लक्षात आल्यानंतर इ.स. १२८१ ला तेथील सरकारने आयात होणाऱ्या मिठासाठी सबसिडी दिली. यामुळे व्यापाऱ्यांचा फायदा झाल्याने त्यांनी भूमध्यसागरातून भारताकडे येऊन मसाल्याचे पदार्थ घेऊन ते यूरोपात विकू लागले. तेही कमी दरात. व्हेनेशियन जनता महाग दरात मीठ घेऊन मसाल्याचे पदार्थ ठेवू लागली. मीठातून मिळालेल्या संपत्तीतून व्हेनिसमध्ये भव्य वास्तू, सुंदर पुतळे उभारून व्हेनिस शहर सुंदर केले आणि भूमध्य सागरावर अधिराज्य केले. पण १५व्या शतकानंतर व्हेनिसचे महत्त्व संपले. कारण वास्को-द-गामाने द. आफ्रिकेला वळसा घालून हिन्दुस्थानात आल्यानंतर मसाल्याच्या व्यापाराच्या अटलांटिक बंदरांना महत्त्व आले होते.

मिठाच्या इतिहासात महत्त्वाची भूमिका यांगत्से, नाईल, टाईबर, एलथ, डॅन्यूब, होन, लॉयरे आणि इंग्लंडच्या मेर्सी नदीने बजावली आहे. किंग जॉर्जने १२०७ मध्ये मेसीं नदी किनारी लिव्हरपुल नावाचे गाव वसविले व तेथेच आर्यंलड व इंग्लंडला जोडणारे बंदर निर्माण केले आणि वेस्ट इंडिजकडून गुलाम व साखर, लोखंड, कोळसा, पोलाद आयात करून त्यांना मीठ विकू लागले. इंग्लंडमध्ये नॉर्थविच, मिडलविच, डाइटविच इ. मिठाची गावे वसवून मोठ्या प्रमाणात मिठाचे उत्पादन करू लागले. चेशायर मध्ये मिठाचा प्रचंड साठा सापडला, मग मिठाच्या व्यापाऱ्यांनी सरकारला कालवे बांधण्यास भाग पाडले. इ.स. १७१३-१७४१ या काळात सरकारने मेसीं नदीला चेशायरला जोडणाऱ्या कालव्यांचे जाळे केले व मेसीं नदीकाठी मीठ शुद्धिकरणाच्या यंत्रणा व लिव्हरपुल बंदरावर गोदामे बांधली. चेशायरच्या प्रभावामुळे इंग्लंडला स्कॉटलंड आपल्या नियंत्रणात आणता आले. स्कॉटलंडला आपले मीठ इंग्लंडलाच विकावे लागले कमी दरात. त्यामुळे इंग्लंड, स्कॉटलंड संबंध सुरुवातीपासूनच बिघडले होते. इंग्लंडला आपली लष्करी शक्ती टिकवून ठेवण्यासाठी मिठाची गरज होती. १७व्या, १८व्या शतकात इंग्लंडला आपला शत्रू असलेल्या फ्रान्सकडून मीठ घ्यावे लागे. पण इ.स. १७१३ ते १७५९ या काळात दोन्ही राष्ट्रांत युद्ध सुरू असताना इंग्लंडला उत्तर अमेरिकेतील न्यू फाऊंडलँड (कॅनडा) मध्ये कॉडमाशांचा प्रदेश सापडला व दक्षिणेला कॅरेबिनय सम्द्रातून मीठ सापडले. इंग्लंडने या प्रदेशावर आपले वर्चस्व करून बरीच संपत्ती मिळविली. अमेरिकेतील ब्रिटिश वसाहतींना इंग्लंडकडूनच सर्व माल विकत घ्यावा लागे. त्यामुळे व्हर्जिनिया, मॅसॅच्युसेटस, न्यु इंग्लंड, बोस्टनमधील व्यापारी इंग्लंडच्या हुकुमशाहीने त्रस्त झाले होते. जाचक जकात आणि जबरदस्त करामुळे अमेरिकेतील ब्रिटिश वसाहंतींनी बंड केले असता इंग्लंडने त्यांची मिठागरे उद्ध्वस्त केली. वसाहतींना बाहेरून मिळणारे मीठ बंद केले. इ.स. १७७६-१७८३ या अमेरिकेचे ब्रिटिशांविरुद्ध स्वातंत्र्ययुद्ध करून, मीठ मिळविण्याचा प्रयत्न केला. शेवटी ब्रिटिशांनी माधार घेऊन सन १७८३ ला अमेरिकन तेरा वसाहतींशी पॅरिस येथे तह करून "स्वतंत्र अमेरिकाचा", एका नव्या राष्ट्राचा जन्म झाला. तरीही मिठाचा प्रश्न सटलेला नव्हता. अमेरिकेत मीठ प्रचंड महाग होऊन बसले. मग नव्या अमेरिकनांनी न्यूयॉर्कच्या ॲनॉन्डागा भागात मिठाचे पूर्वी साठे होते, तथेच मीठ तयार करण्यास सुरुवात केली. त्यासाठी हडसन नदीवर कालवे बांधले. अल्बनी ते इस बफेलोपर्यंत मोठा कालवा बांधला. तेथे मीठ उत्पादन करण्यास सुरूवात केली. इ.स. १८२५ पासून व त्यानंतर अमेरिकेची भरभराट सुरू झाली.

फ्रान्समध्येही मिठावर जबरदस्त कर लावला जाई. ते महसूल उत्पन्नाचे साधन समजले जाई. आठ वर्षांवरील प्रत्येक नागरिकाला दरवर्षी सात किलो मीठ घेणे अनिवार्य केले व जाचक दंड ठेवला होता. याविरुद्ध दक्षिण फ्रान्समधील शेतकऱ्यांनी इ.स. १७४३ मध्ये सशस्त्र उठाव केला. त्यामुळे राजाने मिठावरचा कर कमी केला. गॅबेल नावाचा कर मिठावर द्यावा लागे. फ्रेंच राज्यक्रांतीनंतर हा कर रद्द करण्यात आला होता. इ.स. १८०५ मध्ये नेपोलियन बोनापार्टने संपूर्ण युरोप जिंकण्यासाठी गॅबेल कर पुन्हा कमी प्रमाणात लावला होता. तो १९४६ पर्यंत फ्रान्समध्ये अस्तित्वात होता. यानंतर हा कर पूर्णत: बंद करण्यात आला.

१८व्या शतकात भारतात ब्रिटिशांत साम्राज्यवाद ओरिसातील मिठावरून वाढण्यास सुरुवात झाली होती. भारतात ओरिसाचे मीठ प्रसिद्ध होते. आजूबाजूच्या राज्यातील लोक मिठासाठी ओरिसात येत. बंगाल प्रांतातील ब्रिटिश तेथूनच मीठ घेत. १८व्या शतकाच्या शेवटी इंग्लंडमधील चेशायरने मिठाचे उत्पादन वाढविले. त्यांना बाजारपेठेची गरज होती. बाजारपेठ उपलब्ध करून देणे साम्राज्याची जबाबदारी होती. ओरिसाच्या मिठाच्या गुणवत्तेपुढे आणि कमी किमतीपुढे चेशायरचे 'लिव्हरपूल सॉल्ट' टिकू शकत नव्हते.

ईस्ट इंडिया कंपनीने इ.स. १७९० मध्ये नागपूरच्या रघुजी भोसले द्वितीय यांचे ओरिसावर अधिपत्य होते, त्यांच्यासमोर ब्रिटिश कंपनीने ओरिसाचे सर्व मीठ कंपनीला विकण्याचा प्रस्ताव ठेवला. त्यांनी ब्रिटिशांची चाल ओळखून प्रस्ताव फेटाळला. आपला प्रस्ताव फेटाळला जाताच कंपनीने ओरिसाच्या मिठावर बंदी घातली, पण बंगाल आणि जोडून असलेल्या ओरिसाच्या सीमेवर भरपूर जंगल असल्यामुळे बंगालमध्ये मिठाची चोरटी आयात होऊ लागली. बंगालच्या बाजारपेठेतही ओरिसाचे मीठ मुबलक मिळू लागले. लिव्हरपूल मीठाला भाव मिळेना. मग कंपनीने ओरिसा आपल्या नियंत्रणात आणून बंगालला जोडला, त्यामुळे १ नोव्हेंबर १८०४ च्या जाहिरनाम्यानुसार ओरिसाच्या मीठावर कंपनीची मक्तेदारी झाली. ओरिसात तयार होणारे मीठ ठराविक भावातच कंपनीला विकावे लागे. मीठाबाबत कोणताही व्यवहार खासगी पातळीवर करायला बंदी घातली गेली. कंपनीने पगारी नोकर ठेवून मीठ व्यवहारावर करडी नजर ठेवली. शेवटी कंपनी सरकारच मीठ तयार करणार अन्य कोणी नाही असा फतवा काढण्यात आला. कंपनीच्या या धोरणाला बराच विरोध झाला. त्याची दखल इंग्लंडच्या सरकारने घेतली होती.

१९व्या शतकाच्या सुरुवातीला कंपनीने करातून पैसा मिळावा व चोरटा व्यापार बंद व्हावा म्हणून बंगालच्या संपूर्ण सीमेवर जकात नाके उभे केले. कर्नल स्मिथने मिठावरची जकात वाढवून इतर किरकोळ मालावरील जकात कमी केली. जकात अधिकाऱ्यांना कमी पगार व जास्त अधिकार दिल्याने भ्रष्टाचार, लाचलुचपत वाढली. बंगालच्या सीमेवर १४ फूट उंच बारा फूट जोडीचे काटेरी झाडांचे कुंपण उभारून चोरट्या आयातीचा बंदोबस्त केला. पुढे इ.स. १८५७ च्या राष्ट्रीय उठावानंतर ब्रिटिश सरकार सर्वेसर्वा झाल्यानंतर ओरिसा ते हिमालयपर्यंत अडीच हजार मैल लांबीची कस्टम लाईन तयार करून १२ हजार अधिकारी नेमून मिठाच्या व्यापारावर नियंत्रण आणले. ओरिसाच्या मीठ निर्मितीवर बंदी घातली. ओरिसाचे मीठ अशुद्ध व दुय्यम प्रतिचे ठरवून त्याच्या उत्पादनावर मर्यादा आणून १८४५ पासून आधीच्या वर्षापेक्षा निम्मे मीठ तयार करण्याची आज्ञा दिली. त्यामुळे ओरिसाच्या शेतकऱ्यांमध्ये असंतोष पसरू लागला. तशा इशारा ओरिसाच्या कमिशनरने ब्रिटिश सरकारला दिला होता. ओरिसामध्ये मलंगी लोक मीठ तयार करीत. त्यांनाच ब्रिटिशांनी कुठल्याही गोष्टीला जबाबदार धरून त्यांचा मोबदला कमी केला. जे काही थोडे मीठ उत्पादन केले जात होते तेही इ.स. १८६३ मध्ये बंद करण्यात आले. सरकारी धोरणामुळे बंगालमध्ये मिठाचा दुष्काळ पडला. मग ब्रिटिश सरकारने स्वतःच ओरिसात मीठ प्रकल्प सुरू केला. तो १८९३ पर्यंतच ठेवला. पण लिव्हरपूल मिठाचा खप फारसा वाढला नाही. मलंगी लोकांचे जीवन मात्र उद्ध्वस्त झाले होते. कटक मधील 'उत्कल सभा' या राजकीय पक्षाने फेब्र् १८८८ ला एक मोठी जाहीर सभा घेऊन ओरिसाच्या ब्रिटिशांच्या अन्यायी धोरणाबद्दल निषेध व्यक्त केला. ही भारतातील पहिली मोठी सभा होती. इ.स. १८९०च्या बनारस राष्ट्रीय काँग्रेसच्या सभेमध्ये गोपाळ कृष्ण गोखल्यांनी मिठाच्या करासंबंधी निषेध प्रस्ताव मांडला होता.

२०व्या शतकाच्या प्रारंभी संपूर्ण भारताच्या सर्वप्रांतीय विधिमंडळातून ब्रिटिश सरकारच्या मीठ धोरणावर हल्ले चढविले गेले. शिलकी अंदाजपत्रक सादर करताना ब्रिटिश सरकारने मिठावर दुप्पट कर लादण्याचा प्रस्ताव मांडला होता. पण त्याला भारतीय विधिमंडळाने पाठिंबा देण्यास नकार दिला. तरीपण १९२६ मध्ये व्हाइसरॉय लॉर्ड रिडिंगच्या हुकूमनाम्याच्या आधारे पास करून घेतला. तेव्हा इ.स. १९२९ च्या लाहोरमध्ये झालेल्या भारतीय राष्ट्रीय काँग्रेसच्या अधिवेशनात त्याचा निषेध करण्यात आला. १९३० मध्ये ओरिसात चळवळी उभारण्यात आल्या. म. गांधीनीही १२ मार्च १९३० ला साबरमती ते दांडीपर्यंत चळवळ उभारून मिठाचा सत्याग्रह घडवून आणला होता. 'उचललेस तू मीठ मूठभर, साम्राज्याचा खचला पाया, मिठास होगा महाग मानव, तुजमुंगीचे

सिद्ध करीन माझ्या अस्तित्वाला
वाटे दाटला अंधार चोहीकडे
डोळे लागले प्रकाशाकडे
विश्वास आहे दिसेल सोनेरी किरण मला । । १ । ।
सिद्ध करीन माझ्या अस्तित्वाला ।।धृ।।
भीती वाटते परक्यांची
आढवण येते सोयऱ्यांची
भेटतील सखे सोचती मला ।।२।।
आयुष्याच्या वाटेवर सुख-दुःखाचा खेळ
कसा घालू या दोघांचा मेळ
समजून घेईन प्रहार झेलायला । २।।
भेटल्या विविध रंगांच्या माळा
कशी समजू यां जगाची शाळा ?
शिकून घेईन स्वतःला ।।४।।
भूतकाळाची आढवण, भविष्यकाळाची साढवण
का होते वर्तमानाची वणवण ?
दाखवीन जिंकूनी रंणांगणाला ।।९।।
उडण्याची आहे हौस किती
पडण्याची वाटते नेहमी भीती
सुधार्फन दाखवीन या परिस्थितीला ।।६।।
जाईन सामीरे प्रत्येक संकटाला
लावीन प्राण पणाला ।।७।।
- ज्योत्वना हलताहे (SVB Com)

खडे मनोरथ, तुझ्या हृदयीचा उठला ईश्वर, काय नाव द्यावे तुजला, उचललेस तू मीठ मूठभर साम्राज्याचा खचला पाया'' हे गीत त्यामुळे महाराष्ट्रात लोकप्रिय झाले होते. भारताच्या स्वातंत्र्य चळवळीत मिठाचा सत्याग्रह महत्त्वपूर्ण मानला जातो. ब्रिटिशांनी भारतातील साम्राज्यवाद मिठासाठी निर्माण केला असे ह्या मिठाचे माहात्म्य आहे.

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दुःस्त्रावर मात आनंद हातात... मनाच्या झाडावर कधीतरी फुलतं हास्य कळेनासे झाले, काय आहे रहस्य ? आत्म्यास जेव्हा वाटे शांत तेव्हाच मन होई निवांत ! क्षण कधी येतात असे की कारण कळण्या आतच मन रूसे पण, आनंद जेव्हा मिळे क्षणात, मनात्वं हास्य, डोळ्यांत दिसे, मनाच्या झाडावर कधीतरी फुलतं हास्य कळेनासे झाले, काय आहे रहस्य ?

जेव्हा दुःखाचं नेमकं कारण कळतं त्यानंतरच मन सुखाकडे वळतं उदास या जगात कोण होत नसे, परंतु ते चघळत रडणारे मात्र थोडेच असे ! मुखवटा दुःखाचा असतो कधी चेहऱ्यावर पण शेवटी मुखवटाच तो,

सोडा त्याला वाऱ्यावर ! मनाच्या झाडावर कधीतरी फुलतं हास्य, कळेनासे झाले, काय आहे रहस्य ?

ज्यास समजले हे दुःखाचे गुपित तो करतो यावर मात आणि मगच येतो आनंद हातात...

- प्रतिक्षा प्रकाश विंचूरकर (T.Y.B.Com.)

'Naivedya' : An Offering

Dr. Sushama Joag (Head-Chemistry)

It was noon time. After completing the morning activities in the Summer Camp, the sixty children were ready for the prelunch prayer. I asked them, "Friends, do you know how to recite Pasaayadaan ?" There was an immediate loud answer, "Yes... !" All of us recited the first verse of Pasaayadaan together : "Aataa Vishwatmake deve l Yene Vaagyadnye toshaave l Toshoni maja dyaave l Pasaayadaan he ll" I asked, "Which language is the Pasaayadaan in ?" The reply was "Sanskrit." I was taken

aback for a movement ! But immediately realized the paradoxical situation. There is a common practice in school and public functions in Maharashtra to recite the Pasaayadaan. Pasaayadaan is a composition by the great poet saint Dynaaneshwar. In order to make available the knowledge expressed in Sanskrit to illiterate a layman. Dnyaneshwar elaborately narrated Bhagwadgeeta in Marathi, and in conclusion prayed the Almighty God for the welfare. of the universe in terms of Pasaayadaan. But today, while trying to understand Pasaayadaan, it seen as if 'that' Marathi language has become a hurdle, so big that it makes one feel that Pasaayadaan is in Sanskrit!

Indian Culture that preaches the ideal "Vasudhaiva Kutumbakam" is essentially an universal Culture; and Pasaaydaan a universal Prayer. It can reach the people in the universe only if Marathi people distributed all over the universe understand it. It is going to be a Herculian task, no doubt Here, I am contributing my mite with utmost humility.

If the present generation, speaking Marathi in day-do-day life, finds the Marathi language of Saint Dnyaaneshwar's time as difficult to understand as Sanskrit, what about the Marathi people who do not speak Marathi ? Yet, I am aware, they are proud of being Marathi ! This awareness has promoted me to transcript Pasaayadaan in Roman and interprete it in English.

"Pasaayadaan" is the prayer in Marathi, of the Almighty God for welfare of universe, composed by Santa Dnyaneshwar. Essentially it is an elaboration of the upanishad prayer : "Sarvepi Sukhinah Santu,

Sarve Santu Niraamayaah, Sarve Bhadraani Paryantu, Na Kashchit duhkhabhaag bhavet" into eight verses.

When knowledge was confined to scriptures in Sanskrit language and was a privilege of men of higher caste, Santa Dynashwar, in 1291 A.D., at an age of 16 years, took a revolutionary step, yet with utmost modesty and humanity, to make it accessible to men and women of all the castes and creeds by narrating meaning of Bhagwad Geeta in Marathi. It happened to be the first Marathi commentary on Geeta.

The work was extensive, constituting about 8000 stanzas. 'Bhaavaartha Deepika', as it was then called, later became well known as 'Dnyaaneshwari'. It will not be out of place here to quote Dr. B. R. Ambedkar, according to whom the Marathi language would not be at any loss even if all its literature were drowned in ocean, except for 'Dnyaaneshwari' and 'Tukaram Gaatha'. That is the standing of 'Dyneshwari' in Marathi even after 700 years of its narration. Eight stanzas from the last, i.e., 18th chapter of Dnyanshwari are known as stanzas (ovees) of Pasaaya Daan. 'Pasaaya' is the word in Marathi of 13th century, synonymous to 'Prasaada' in Sanskrit. 'PasaayaDaan' is giving away 'Prasaada', in Sanskrit. 'PasaayaDaan' is giving away 'Prasaada'. While concluding his dedicative work in the form of narrating 'Bhaavaartha Deepika', Dnyaaneshwar prays the Almighty God for bestowing him with 'Prasaada', and this 'Prasaada' for which he is wishing is none less than welfare of the entire universe.

In 'Pasaayadaan' Santa Dnyaaneshwar wishes forelimination of evil and vices, with institution of goodness, virtues, love and bliss in the universe. While further spelling out the way in which this may be achieved he asks for interaction of all the beings with good persons faithful to God and possessing unparallel attributes. 'PasaayaDaan' is a timeless universal prayer for welfare of each and every component of universe, beyond the boundaries of caste and creed, religion and region.

Aataa Vishwatmake deve l Yene vaagyadne toshave ll Toshoni Maja dyaave l Pasaayadaan he ll



Now God who is soul of the universe may get pleased with this total dedicative offering of speech, and bestow upon me this PasaayaDaan.

Jen Khalaanchi Venankati Saando l Tayaan Satkarmin rati vaadho l

Bhootaan Parasparen Pado l Maitra Jeevaanche ll

.... So, let badness of bad persons vanish, let them have increase interest in doing good deeds let all the beings have vital friendlihood with each other.

Durintaach timir jaavo l Vishwa swadharmasoorye paaho l

Jo jen waancheel to ten laaho l Praanijaat ll

Let darkness of the evil vanish, let the universe shine with the light of 'Sun of the revelation of their own natural duty' Let all the beings get whatever they desire. (Note the intelligence of sequence seen in this stanza. Dnyaneshwar wishes that every one get whatever one want ! This wish is to be fulfilled, however, after the fulfilment of the earlier wishes ! Once the evil has gone away, crukedness has vanished and all the being are onlightened with revelation of their own natural duty, their wishes cannot be lead to goodness only, though in number of different ways !)

Varshata Sakala Mangali l

Eshwaranishthhaanchi Maandiyaali l

Anavarata bhoomandali l Behtatu bhootaan ll Let all the beings on this globe always get to meet large coherent groups of persons faithful to God, showering all the welfare,

Challan Kalpatarunche Aarava l Chetanaa chintaamaniche gaava l

Bolate Jen arnava Peeyushaache ll

(Who are) forests of mobile trees fulfilling the desires of those sitting under them, (who are) towns of living gems fulfilling the wishes of the owners, (who are) speaking oceans of the heavenly beverage giving immortality (the Amrit)

Chandrama jen alaanchhana l Maartanda jen taapaheena l

Ten sarvaanhi sada Sajjana l soyare hotu ll

(who are) moons without scar, suns without unbearable heat. These good persons may become kiths and kins of all.

(Dnyaaneshwar implies here, that there is no comparison to the good persons faithful to God. All the analogies that may be considered for illustrating their godness, have some or the other drawback, while saintly persons, in a sense good samaritans, have none ! The heavenly tree, 'Kalpataru', as per Sanskrit scriptures, fulfils wishes, but being a tree it is immobile, ; one has to take efforts to reach it; but saints walk down to the people to satisfy their needs. Saints are alive, unlike the wish-fulfilling gemstone 'Chintaamani of Sanskrit literature. Saintly persons are able to take people to the immortal bliss by talking to them, unlike the heavenly beverage. Amrit of Sanskrit scriptures. Saints are soothing like moon but don't have any scar on them. Saints are the source of light and energy but never become unbearably not unlike the sun.

Kimbahuna sarva sukhee l Poorna hovoni tinhi lokin l Bhajijo aaadipurnkhi l Akhandita ll

In short, let all be happy in all the respects in the three words and sign always to the God

Yetha mhane shri vishwesharavo l Ha hoeel daanapasaavo l

Yene varen Dnyaanadevo l Sukhiya jaala ll

At his point, the Almighty said that this 'Prasaada' shall be given. With this boon Dnyanadev became happy.

This was an humble attempt to spell out the essence of Pasaayadaan in English. It is a sort of offering (Naivedya) made to the entire Marathi community. May they accept and distribute it to all as 'Prasad' is my earnest prayer.

RAR



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Digital Library : Gateway for students

Mr. Umesh Dattatraya Gore (Lab. Asst.)

Service Carl Data and the Clab. Asst.

In today's scenario the whole world is affected by Information Technology. Each and every field is affected by the Information Technology . Information Technology has not spared the field of education too. Due to this impact, Academic Library is also moving ahead from traditional library to Digital library .

The digital libraries offer a greater opportunity for end users to retrieve and use information through the Internet which extend the roles and values of traditional libraries. We can use the digital library any time 24x7 for 365days with the help of resources of advanced information technology. Digital library is a arrangement of managed environment of multimedia metadata in digital form, designed for

the benefit of its user: student, teachers, research person; structured to facilitate access to its contents, and equipped with aids to navigate the global network with users.

It is inarguable that development in our education system has brought, technological and significant changes to library and information science, and made the education process different

all over the world. Advanced digital libraries have become services, providing high-bandwidth access to distributed and highly interactive repositories of culture, history and science. Digital library provide to their usersliquid broadband, mobile computing whenever they want. Student, teachers and research person use these, enhancing quality of their respective field. By the usages of Digital library we can produce unbelievable information on just one touch button of our finger tips. Advance digital library moves with the user and there is no need go to library and spend time.

Cloud computing is one of the main impressive useable technologyever, in the world. In Digital Library cloud computing produces a variety of faciliies to the end user. Digital Library can use



various type Information technology to improve their services by the different applications, software and emerging technology.

For the students to get greater opportunities for their study the Digital Library. Library provides them a personal ID and password. With that they don't need to visit the library. They can use the Library anytime 24x 7 for 365 days. They only need tools like smart phones, I pad, Tab, Laptop etc. Digital Library provides e-journals, e-Books ,e-References, Educational Services etc. Library can mail to each students about Exam time table ,Lectures time table, Division vise activities , important Notices by college, Changes of time table of reading hall , Names of

> Books including new arrivals, e-journals, etc. Students can accesses the Library so easily and they can save their valuable and precious time.

> For the Teachers Digital Library provides valuable services like mail of new arrivals of Books and ejournals of their respective subject. The latest new information about their subject, different type of new teaching techniques is

accessed through OPAC. Notification of functions, programmes, activities of college etc. is possible. Digital Library provides lots of e-journals, e-books, e-references and other services of various subjects that teachers can take advantage for their teaching and research. Teachers can send mail to their students for academic purposes.

For Research students Digital Library provide different services like e-books ,e-journals, new arrivals of books and also newly happening events and research work in their respective field of interest and expertise.

Therefore, students, teachers and research students must take advantage of Digital library for enhancing their academic quality.

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गियोरोहण एक उत्तम क्रीडाप्रकार

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UTON ONNO

आजची परिस्थिती लक्षात घेता, गिर्यारोहणाबदल लोकांमध्ये उत्सुकता दिसून येत नाही. कित्येकांना गिर्यारोहण हा एक उत्तम खेळप्रकार आहे हे सुद्धा माहीत नाही. काही लोक गिर्यारोहण हे एक वेळ घालवण्यासाठी केलेला क्रीडाप्रकार होय, असे म्हणतात. पण ही परिस्थिती बदलली आहे. गिर्यारोहणाला आता चांगले दिवस येऊ लागले आहेत. काही गिर्यारोहकांच्या अथक प्रयत्नांनंतर हे सगळं शक्य झालं आहे, गिर्यारोहणाला समाजात पुढे आणण्यासाठी. एक वेगळी ओळख मिळवण्यासाठी त्यांचे अथक प्रयत्न सत्यात उतरले आणि गिर्यारोहण हा एक उत्तम क्रीडापकार म्हणून ओळखला जाऊ लागला.

आज क्रिकेट, खो-खो, हॉकी, फुटबॉल यांच्याप्रमाणेच गिर्यारोहण हा सुद्धा एक क्रीडाप्रकारच आहे असा विचार जनमानसांत रुज् लागला आहे.

गिर्यारोहणाबद्दल सांगायचे झाले की, तो प्रामुख्याने वैयक्तिक नसून तो एक सांधिक खेळ आहे. गिर्यारोहण हा एक उत्तम

खेळप्रकार असून, तो एक साहसी खेळ आहे. हा खेळ आहे त्यामुळे त्याचे नियमही आहेत आणि खरा गिर्यारोहक त्याचे नियम नक्कीच पाळतो; परंत् गिर्यारोहण हा फक्त साहसी खेळप्रकार नसून, त्यामध्ये साहसाबरोबर खरेच काही शिकवले जाते. व्यायामाचे बोलायचे झाले तर व्यायाम हा तर प्रत्येक खेळाचा

भाग आहे; परंतु गिर्यारोहणामध्ये पदभ्रमण, दुर्गभ्रमंती, प्रस्तरारोहण, बर्फावरचे आरोहण असे प्रकार अंतर्भूत आहेत. अगदी एका दिवसापासून कित्येक महिन्यांपर्यंत चालणाऱ्या मोहिमा गिर्यारोणामध्ये चालतात. नियमितपणे गिर्यारोहण करण्याचा आणि साहसाची आवड असणाऱ्या प्रत्येकालाच यातील व्यक्तिमत्त्व सर्वांगीण होण्यासाठी गिर्यारोहणासारखी दुसरी शाळा नाही. यात प्रामुख्याने कामाचे नियोजन, वेळेचे व्यवस्थापन, कणखरपणा, नेतृत्त्वगृण, साहस, टीमवर्क, रिस्क मॅनेजमेंट, कॅंटिन्जन्सी प्लॅनिंग अशा व इतर अनेक गुणांचा विकास होण्यास मदत होते. ही झाली वैयक्तिक बाब; परंतु याच गोष्टींमधून समाजाला होणारा फायदा, उपयोग मोजता येणं अवघड आहे. आज परदेशात शाळांच्या अभ्यासक्रमांमध्ये गिर्यारोहणाशी निगडित शिक्षणाचा अंतर्भाव आहे. आपल्याकडेही आता त्याला सुरुवात झाली आहे. पुण्यात आज विद्या व्हॅली स्कूलमध्ये तसेच इतरही अनेक शाळांमध्ये याची

सुरुवात झाली आहे. गिर्यारोहणाची आवड असणारा प्रत्येकजण आज दुसऱ्याच्या मदतीला धावून जातो.

२००५ मध्ये आलेल्या महाड परिसरातील भीषण पुरात तर याच गिर्यारोहकांनी संपर्क तुटलेल्या गावात जाऊन मदत पोहोचवली होती, तर कित्येकदा अवघड ठिकाणी झालेल्या अपघातातील दुर्दैवी जीवांना वाचवण्याची पराकाष्ठा याच गिर्यारोहकांनी केली.

आज या खेळाचे शिक्षण देणाऱ्या संस्था भारतात आहेत. पंडित जवाहरलाल नेहरूंनी काळाची गरज समजून त्यांनी नेहरू इन्स्टिट्यूट ऑफ माऊंटेनिअरिंग ही संस्था स्थापन केली.

सर्व मोठ्या कंपन्या, औद्योगिक कंपन्या (IT sector) उच्च अधिकाऱ्यांना गिर्यारोहणाचे शिक्षण देऊ इच्छितात. टाटा स्टीलसारखी मोठी कंपनी ॲडव्हेंचर फाऊन्डेशन स्थापन करू इच्छिते, तर त्यासारख्या मोठा फायदा गिर्यारोहणामध्ये महत्त्वपूर्ण असणारच.

आज सांगायचे झाले की, आपल्या कॉलेजचे माजी विद्यार्थी उमेश झिरपे हे सुद्धा एक उत्तम, अनुभवी गिर्यारोहक आहेत. ते

> सध्या पुण्यातील गिरिप्रेमी संस्थेचे संस्थापक आहेत आणि त्याचे कामकाजही पाहातात. गिरिप्रेमी ही अशी संस्था आहे, जिच्या रूपाने आज पुण्यातील ११ एव्हरेस्टवीर पुण्यात तयार झाले अशी घटना संपूर्ण जगात कोठेही दिसणार नाही. या मोहिमेच्यामागे संपूर्ण समाज उभा राहिला. अनेक कॉपेरिट क्षेत्रांतील कंपन्या पाठीशी

आल्या. पुण्यातील तसेच महाराष्ट्रातील जवळजवळ २० ते २५ हजार लोक एकत्र आले. त्याच्यापेक्षा मोठा बदल अजून काय असणार ! हाच बदल या गिर्यारोहणाच्या मदतीने झाला.

प्रत्येकाच्या आयुष्यात एक एव्हरेस्ट असतो, तो त्याने पार केला. पहिला आणि एक उत्तम यशस्वी माणूस म्हणून जगले पाहिजे.

असंच समीकरण उमेश झिरपे यांच्याबाबतीतसुद्धा आहे. त्यांनी गिर्यारोहणाला पूढे आणण्यासाठी अथक प्रयत्न केले, गिर्यारोहण हा एक उत्तम क्रीडाप्रकार आहे, त्याला सगळीकडे मान्यता मिळाली पाहिजे. त्यासाठी त्यांनी खूप प्रयत्न केले आणि ते पढे करतही आहेत.

गिर्यारोहणाला त्यांनी संपूर्णपणे वाहून जे घेतले आहे त्यांनी लहान-लहान डोंगरे, टेकड्यापासून विविध किल्ले, गडपासून तर



आज जगातले सर्वोत्तम, सर्वांत उंच शिखरसुद्धा सोडले नाही. माऊंट एव्हरेस्ट हे जगातले सर्वांत उंच शिखर आहे, ते सुद्धा यशस्वी चढाई करण्यामध्ये त्यांनी कुठलीही कसर सोडली नाही.

'Possible only with your support' हे वाक्य नसून, हे एक आयुष्यात येणाऱ्या प्रत्येक परिस्थितीला मात देण्यासाठी केलेली प्रोत्साहनपर दूरदूष्टी आहे.

आता लवकरच विविध लोकांच्या साहाय्याने, आपल्या प्रशासनाच्या साहाय्याने, विविध कंपन्यांच्या साहाय्याने आणि सर्वांत महत्त्वपूर्ण म्हणजे आपले लाडके गिर्यारोहक यांच्या अथक प्रयत्नांतून, आपल्या पुण्यामध्ये (GGIM) या नावाची एक गिर्यारोहण संस्था

🔧 जगावं कसं !!! कुणी कुणाला सांगावं जगावं की मरावं जगून मरावं, की मरुन जगावं ज्याचं त्यानंच ढरवावं । । १ । । दुसऱ्याचे गुण घ्यावेत अवगुण मात्र सोडून द्यावेत निसर्गावर प्रेम करावं. की प्रेमाचं नाटक करून उगीच झूरत रहावं ज्याचं त्यानंच ढरवावं ।।२।। दाही वाढवावी की टक्कल करावं का केस वाढवून वेण्या घालाव्यात कपड्याची कोणती फॅशन करावी. की फॅशनच्या नावाखाली तसंच फिरावं ज्याचं त्यानंच उत्त्वावं । । ३ । । गुटख्यानं कॅन्सर होतो हे आम्हाला कळतं तरीही आम्ही खातोच मरण आमच्या समोर जळतं तरीही पितो उगीचचं का जग म्हणतं करावं तसं भरावं ज्याचं त्यानंच उच्चावं । १४। । जीवनाच्या परीक्षेत कॉपी चालत नाही कॉपी करून सुद्धा पास होता येत नाही दुसऱ्याच्या दुःखात रडता आलं नाही तरी सुखात मात्र हसावं ज्याचं त्यानंच उच्यावं । 1९ । । - पूनम ज्ञानदेव लोणकर (T.Y.B.Sc. Zoology)

उघडली जाणार आहे. GGIM म्हणजे (Guardian Giripremi Institute of Mountaineering) ही संस्था लवकरच उदयास येईल आणि गिर्यारोहणाचे महत्त्व समाजात पसरवण्यात महत्त्वपूर्ण ठरेल. विस्तार करण्यामध्ये महत्त्वूपर्ण ठरेल. माझ्या माहितीप्रमाणे गिर्यारोहण हा उत्तम क्रीडाप्रकार सगळीकडे विस्तारला पाहिजे, गिर्यारोहणाला भारतभर एक महत्त्वपूर्ण क्रीडाप्रकार म्हणून मान्यता मिळावी ही इच्छा !

RAR

जग हे असं, ज्यात आपल्याला जागा नसते इतके काही सामावून घेतं हे जग कि, आपण त्यात मागे सुटत जातो,

रिकामे जग माझे.

करायना गेनं तर खूप काही करण्यासारखं आहे. पण, माझे मात्र असे आहे कि -रिकामे जग माझे...

हे जग माझ्यासाठी नाही कि, मी या जगासाठी नाही ? अवघ्या मोठ्या जगात, मन माझं रूजत नाही, लांब कुठे तरी, गर्दीच्या पलीकडे, नदीच्या किनाऱ्यावर सारखं शोधत असते स्वतःला आहे तिथे नसते मी कधी-कधी विचार करून दमायलं होतं, आणि -मग स्वढंच कळतं -रिकामे जग माझे...

मी सकटी नाही आणि सकटी मी नाही आसपासची गर्दी, घरचे-दारचे, सोबत सगळेच असतात... पण तरी कधी-कधी वाटत असे रिकामे जग माझे... हवं असून मिळत नाही आणि मला मिळून सुद्धा नको आहे नेमकं काय हवंय हे कळत नाही, आणि मग शासतं कि, रिकामे जग माझे...

> - प्रतिक्षा प्रकाश विंचूरकर (T.Y.B.Com.)

सामाजिक विचारवंत

माझे वडील बालपणापासून मला म्हणतात, अरे समाजासाठी काहीतरी कर, ज्याने समाज सुधारेल व तुझा जगात येऊन उपयोग होईल, पण समाजासाठी नेमकं काय करावं, हे मला समजत नव्हते, तशी अप्रत्यक्षरीत्या लोकांना मदत करण्याचा प्रयत्न करायचो. पण या विद्यार्थिदशेत आपण कुठंतरी कमी पडतोय अशी मनात नेहमी खंत असायची. पण २०१४चा गणपती महोत्सव आला व माझ्या जीवनात एका अतुलनीय व्यक्तीचा प्रवेश झाला.

MANNANANANANANANANANANANANANANAN

गणपती महोत्सवाच्यावेळी माझ्या एका मित्राने मला रायगड जिल्ह्यातील सुधागड तालुक्यात आतोणे गावातील एका विद्वान पुरुषाविषयी माहिती दिली. मी व माझे मित्र त्याच्या भेटीला गेलो. ती विद्वान व्यक्ती होती. आतोणे गावातील निवृत्त बॅक अधिकारी उपेंद्र देशमुख ऊर्फ काका. सगळे त्यांना आदराने काका म्हणतात.

काकांना भेटलो व काकांनी सुरुवातीच्या दहा मिनिटांत आमची मने जिंकली, त्यांनी त्याच्या विचारांच्या पावसाने आमची मने चिंब ओली केली आणि आपण या जगात येण्याचे प्रयोजन काग्न ? आपल्याला कशासाठी मानवी जन्म भेटला, याची उत्तरे आम्हाला मिळाली. आमच्या हृदयाच्या कप्प्यात काकांसाठी एक कायमची जागा निर्माण झाली.

काकांना पहिल्यापासून समाजसेवेची आवड, पण नोकरी -अभावी जास्त वेळ काकांना देता येत नसे. पण जेव्हा काका निवृत्त झाले तेव्हा काकांनी ठरवले की आता पुढील जीवन समाजासाठी तेव्हा त्यांना त्याच्या पत्नीचीही भरघोस साथ मिळाली. जशी फुल्यांना सावित्रीबाईंनी साथ दिली. तशीच साथ काकांच्या पत्नी म्हणजे आमच्या लाडक्या आत्या त्यांना देत आहेत.

काका नेहमी म्हणतात, ''आयुष्यात नेहमी माणसांना महत्त्व द्यावं. अहो, पैसा, प्रसिद्धी येते आणि जाते पण माणूस हा कायम टिकतो. म्हणून आयुष्यात नेहमी माणसे जोडा त्यामुळे मला माणसे जोडायला आवडतं'' मनाच्या कागदावर लिहून ठेवावे असे हे काकांचे वाक्य.

काकांनी सुरुवातीला दोन मुले जोडली. दोनची चार झाली. चारची आठ झाली व त्या आठ-दहा मुलांच्या साथीने काकांनी कमला भानु प्रतिष्ठानची स्थापना केली व आपल्या खऱ्या कार्याला सुरुवात केली. आतोणे हे गाव पूर्णपणे जंगलसदृश. तेथे मोठ्या प्रमाणात आदिवासी राहातात, ते आदिवासी आत्ताही मोठ्या प्रमाणात हलाखीचे जीवन जगतात, त्यामुळे काकांनी शैक्षणिक, वैद्यकीय, आर्थिक क्षेत्रांत मदत करायला सुरुवात केली. सुरुवातीला काकांनी आदिवासींसाठी दर रविवारी मोफत दवाखाना सुरू केला. दर रविवारी पुण्यातून दोन डॉक्टरांना बोलावण्यात येते व आदिवासींवर मोफत उपचार केले जातात. रविवारच्या दवाखान्यात आदिवासींची संख्या वाढल्याने काकांनी बुधवारी देखील दवाखाना सुरू केला व आता १ फेब्रुवारीपासून फिरता दवाखाना (रुग्णवाहिकेमध्ये डॉक्टर घरपोहोच सेवा देतात) सुरू केला. तसेच पुण्यातून एकावेळी ४५ डॉक्टरांना बोलावून मोठे आरोग्य शिबीर घेतले जाते. तेव्हा डॉक्टरांच्या हाताखाली स्वयंसेवकांची गरज भासते, तेव्हा ती गरज आमच्यासारखे अनेक विद्यार्थी पूर्ण करतात.

काकांच्या कमला भानू प्रतिष्ठानला फक्त दोन वर्षांत ३५० पेक्षा जास्त मुलं जोडली गेली व त्या मुलांच्या साहाय्याने काकांनी आता आदिवासी भागात शैक्षणिक चळवळ देखील सुरू केली. तसेच अंधश्रद्धा निर्मूलन, आरोग्याविषयी सूचना तसेच आदिवासी मुलांना योगा शिकवणे इ. कामे हाती घेतली आहेत.

काका मुलांमध्ये समाजसेवेचं बीज निर्माण व्हावे म्हणून मुला-मुलींचे कॅम्प आयोजित करतात व मुलांना स्वतःच्या पायांवर उभे राहून समाजाप्रती कार्य करण्यास उत्तेजित करतात, त्यामुळे प्रत्येक, मुलाला काकांच्या सहवासात राहावासं वाटतं, त्यामुळे मला काकाच्या सहवासात राहून काम करण्याची संधी मिळतेय, ते मी माझे भाग्य समजतो. काका म्हणतात 'ही फक्त सुरुवात आहे. अजून मला खूप काम करायचे आहे. त्यासाठी फक्त तनाची आणि मनाची साथ द्या. एक दिवस हा परिसर बदलेल.'' काका तुमच्या ह्या अतुलनीय कार्याबद्दल तुम्हाला माझा सलाम ! शेवटी जाताना फक्त एवढंच म्हणेन,

जगात आलात तर, जरूर प्रेम करून बघा, स्वतःसाठी सगळीच जगतात, कधी दुसऱ्यासाठी जगून बघा.

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RAR
इबोला व्हायरस डिसीज - एक आव्हान

चंद्रशेखर ज्ञा. जोशी S.Y.B.Sc. 'B' (Microbiology)

annon D.C.C reserversessessesses फेब्रुवारी २०१४ पासून गयाना आणि सिएरा,

लिओन या देशांमध्ये या आजाराने थैमान घातले आहे. त्या देशात चिंपाछी, वटवाघुळ, काळवीट यांसारख्या आजारी प्राण्याच्या संपर्कात आलेल्या प्राण्यांना या रोगाचा संसर्ग झाला.

दूषित पर्यावरणामुळेही या आजाराचा प्रसार होतो. आजाराची लागण झाल्यानंतर, त्याची लक्षणे

दिसेपर्यंत २ दिवस ते ३ आठवड्यांचा कालावधी लागतो. त्यामुळे हा आजार ओळखणे कठीण मानले जाते. 'इबोला' हा प्रामुख्याने मध्य आणि पश्चिम आफ्रिकेतील दुर्गम वस्त्यांमध्ये आढळणारा आजार आहे. त्यानंतर सुदान, युगांडामध्येही इबोला पेशंट आढळले होते. मात्र २०१४ मध्ये पहिल्यांदाच गयानामध्ये या आजाराचे पेशंट आढळले असून, शहरी भागांमध्ये आजाराचा वेगाने प्रसार होत आहे.

१९९० चे दशक एडसच्या दहशतीमध्ये राहिले, त्यानंतर स्वाइन फ्ल्यू, सर्स, बर्ड फ्ल्यू आणि २०१४ मध्ये सर्व रोगांच्या घातकपणाला मागे टाकणाऱ्या 'इबोला' या रोगाचा बोलबाला झाला. परिणामी ऑगस्ट २०१४ मध्ये जागतिक आरोग्य संघटनेने या आजारास 'आरोग्य आणिबाणी' म्हणून घोषित केले.

१९७६ मध्ये नाझरा (सुदान) व याम्बुकट (कांगो प्रजासत्ताक) येथे प्रथम इबोला प्रादुर्भाव झालेल्या गावातील 'इबोला' नदीच्या नावावरून विषाणू 'इबोला' हे नाव देण्यात आले. याला पूर्वी 'इबोला हिमरोन्हेनिक फिव्हर' या नावाने ओळखले जात असे.

इबोला विषाणूचे प्रकार : फिलोक्हिरिडी कुळातील तीनपैकी एक प्रजात इबोला वायरस आहे. इबोलाच्या पाच जाती असून, त्यांची नावे १) बुंदीबुग्यो इबोला व्हायरस (BDBV)

२) झैरे इबोला व्हायरस (EBOV)

३) सुदान इबोला व्हायरस (SUDV)

४) रेस्टॉन इबोला व्हायरस (RESTV)

यापैकी BDBV, EBOV, SUDV या तीन जाती आफ्रिकेतील प्रादुर्भावासाठी कारणीभूत होत्या.

इबोलाचा मानवी शरीरात प्रसार :

इबोलाचा विषाणू हवेतून शरीरात येतो. माणसाच्या शरीरातील बाहेर पडणाऱ्या द्रवांमधून त्याचा प्रसार हातो. ज्या व्यक्ती अशा रुग्णाच्या संपर्कात येतील त्यांना तो होतो. नाक व तोंडातून विषाणू शरीरात येतो. नेहमीच्या तापमानात तो २ दिवस जिवंत राह शकतो त्यामुळे त्याचे नियंत्रण अवघड असते.



शरीरातील 'न्युट्रोफिलीस' या पांढऱ्या पेशींवर . हे विषाणू हल्ला करत असतात. या पांढऱ्या पेशी त्या प्रतिकारशक्तीचे नियंत्रण करत असतात. परिणामी यकृत, मूत्रपिंड, प्लीहा व मेंदु यांना धोका निर्माण होतो. प्रत्येक संसर्गानंतर पेशी फुटतात व त्यातील द्रव बाहेर पडतो. त्यामुळे 'सायटोकिन' रेणू कार्यान्वित होतात. सायटोकिनमुळे शरीराची आग होते, सूज

येते व इबोला हल्ला झाल्याचे समजू लागते.

इबोलात पहिली जी लक्षणे दिसतात ती फ्ल्यूसारखीच असतात. त्यानंतर डायरिया, उलट्या, कमी रक्तदाब दिसून येतो. अगदी शेवटी शरीरात रक्तस्राव होतो.

इबोला व्हायरस डिसीजची लक्षणे :

- एकदम ताप, प्रचंड अशक्तपणा, स्नायूंमध्ये वेदना, डोकेदुखी आणि घशामध्ये जखम किंवा घसा खवखवणे ही लक्षणे सर्वप्रथम दिसायला लागतात.

- त्यानंतर डोळे व तोंड येणे, गुप्तांगावर सुज येणे, नाकातोंडातून रक्त येणे ही लक्षणे दिसून येतात.

- पुढील टप्प्यांत जुलाब, उलट्या, त्वचेवर पुरळ उठणे, खाज सुटणे, मूत्रपिंड व यकृत अकार्यक्षम होणे आणि शरीरांतर्गत व बाह्य रक्तस्राव ही लक्षणे.

- प्रादुर्भाव झाल्यापासून २ ते २१ दिवसांमध्ये लक्षणे दिसून येतात.

प्लेग, इन्फ्लूएंझा, डेंग्यू यांसारख्या विषाणुजन्य जीवघेण्या आजारांनी पूर्वी कित्येक बळी घेतले आहेत. २०१३ च्या डिसेंबरमध्ये दक्षिणपूर्व गिनीमधील एका गावातील दोन वर्षांच्या मुलाला इबोलाची बाधा झाली होती. त्याच्या संपर्कात असलेले, त्याची देखभाल करणारे त्याचे सर्व कुटुंबीयही इबोलामुळे मृत्यूच्या दारी पोहोचले. ही लागण आसपासच्या गावात झपाट्याने पोहोचली हे गाव सिएरा. लिओन, लायबेरिया व गिनी या तीनही देशांच्या सीमेवर वसलेले असल्यामुळे तीनही देशांत इबोलाचा संसर्ग पसरला. हा विषाणुजन्य आजार पसरण्यासाठी तिथे दाटीवाटीने राहाणारी मोठ्या संख्येतील जनता हे एक माध्यम आहे.

तज्ज्ञांच्या मते, अमाप वृक्षतोड हे याचे प्रमुख कारण आहे. याला अमेरिकन-आफ्रिकन संशोधकांनी दुजोरा दिला. १९९४ मध्येही असाच इबोलाचा संसर्ग पसरला होता, तेव्हा पश्चिम आफ्रिकेतील गॅबॉनमधील सोन्याच्या खाणीवर काम करणाऱ्यांनी संक्रमित गोरिलाचे मांस खाल्ले होते व त्यातून त्यांना बाधा झाली हे सिद्ध झाले आहे.

पश्चिम आफ्रिकेत बुशमीट (वन्यप्राण्यांचे मांस) हे खूप जास्त प्रमाणात खाल्ले जाते. वटवाघूळ, माकड, खार, खवल्या मांजर, हरीण अशा अनेक प्राण्यांचे मांस येथे भाजून, शिजवून वा अन्यप्रकारे खाण्याची पद्धत आहे. आफ्रिकेत वटवाघळांचे सूपही प्रसिद्ध आहे. या वन्यप्राण्यांमध्ये मानवाला घातक असे खूप सारे विषाणू असतात. इबोला हा प्रामुख्याने वटवाघळे व माकडांमध्ये आढळणारा विषाणू आहे. प्राण्यांमधून मानवामध्ये संक्रमित होऊन त्याचे रूपांतर आजारात होते. या प्रक्रियेला 'झूनॉसिस' म्हणतात.

इबोलाचा प्रसार :

- इबोला प्रादुर्भावय्रस्त प्राण्यांच्या शरीरात स्नाव, रक्त, मांस किंवा मलमूत्र आदींचा माणसाशी संपर्क.

- इबोलाने मृत्यू झालेल्या व्यक्तीच्या रक्ताशी संपर्क आल्यास.

- माणसाकडून माणसांना अवयव, रक्त व स्नाव यांच्या माध्यमांतून तो आजार पसरतो. इबोलाने आजारी पडलेल्या व्यक्ती बऱ्या झाल्यानंतरही विर्यामार्फत ७ आठवड्यांपर्यंत रोगांचा प्रसार होता राहातो.

इव्हिडी आजाराचे प्रचारक आफ्रिकेतील वटवाघळांच्या पुढील तीन प्रजाती नैसर्गिक यजमान मानल्या जातात.

1) Hypsignathus monstrosus

2) Epomops franqueti

3) Myonycteris torquata

 १९९४ पासून EBOV आणि TAFV जातींचा उद्रेक चिंपाझी आणि गोरिलामध्येही आढळला होता.

- RESTV चा प्रादुर्भाव फिलिपिन्स येथे मॅकॉक माकडांमध्ये (Macaca fascicularis)

- २००८ साली चीन आणि फिलिपिन्समध्ये वराहामध्ये RESTV जातींचा प्रादुर्भाव आढळला.

 जोपर्यंत माणसांच्या रक्त आणि स्नावांमध्ये विषाणू उपलब्ध आहे, तोपर्यंत तो माणूस प्रादुर्भावग्रस्त असतो. प्रयोगशाळेमध्ये प्रादुर्भावग्रस्त झालेल्या व्यक्तींच्या वीर्यामध्ये ६२ दिवसांनंतरही विषाणू आढळला,होता.

झेडमॅप :

सध्या इबोला रोगावर कोणताही इलाज नसला, तरी अमेरिकेतील रोगनियंत्रण केंद्र आणि राष्ट्रीय आरोग्य संस्थेच्या सहकार्याने मॅप बायोफार्मास्युटिकल्स कंपनीने ''झेडमॅप'' हे प्रायोगिक औषध तयार केले आहे. या औषधाच्या प्राण्यांवर घेतलेल्या चाचण्या उत्साहवर्धक आहेत. या औषधाची चाचणी रोगय्रस्त अमेरिकन डॉक्टर केन्ट ब्रॅटली आणि नॅन्सी राईटपॉल यांच्यावर घेतली गेली. इबोलाचा विषाणू एड्स विषाणूप्रमाणे सतत रचना बदलत नाही. त्यामुळे उपचार करण्यास किंवा त्याचा अभ्यास करण्यास सोपा असतो.

 - इबोला हा रोग १० ते १५ विषाणू शरीरात गेले तरच होतो.
रुग्णाच्या शरीरात निर्जलीकरण होते, त्यामुळे तोंडावाटे जलीकरण करणारे द्रव द्यावे. मुख्यत: त्यात इलेक्ट्रोलाइटचा समावेश असावा.
या रोगात 'क' जीवनसत्त्व घेतल्यास विषाणुंशी शरीर सामना करू शकते. आजारी प्रवाशांना तत्काळ शोधता यावे यासाठी थर्मल इमेजिंग कॅमेऱ्याचा वापर केला जातो. स्पॅशिन धर्मगुरू मिग्युल पाजारिस (वय ७५) हे या विषाणूमुळे मरण पावणारे पहिले युरोपीय व्यक्ती ठरले.

सर्वसामान्य लक्षणांमुळे माणसांमध्ये इबोलाचा प्रादुर्भाव पहिल्या टप्प्यामध्ये ओळखणे अनेकवेळा शक्य होत नाही. त्यामुळे उपचारावेळी हात, पाय, श्वास आणि अन्य घटकांच्या स्वच्छता ठेवून प्रतिबंधक साधनांचा वापर करावा. प्रादुर्भाव झालेल्या प्राणी व माणसांना अन्य प्राणी व माणसांमधून वेगळे ठेवत प्रचंड काळची घ्यावी लागते. रेस्टॉन इबोला विषाणूचा पाळीव प्राण्यांतील प्रादर्भाव टाळण्यासाठी सोडिअम हायपोक्लोराइड आणि अन्य साबणांच्या साहाय्याने वराह आणि माकडांच्या फार्ममध्ये नियमित स्वच्छता ठेवल्याने विषाण् अकार्यक्षम होतो. प्रादुर्भावाची शंका येताच, त्वरित संपूर्ण जागा वेगळी करून निर्जुतुकीकरण करावे. प्राणी व माणसे यांचा संपर्क येऊ देऊ नये. प्रशिक्षित व्यक्तीच्या निगराणीमध्ये प्रादर्भावग्रस्त प्राण्यांची व मृत मानवांची विल्हेवाट लावावी. यावेळच्या साथीत सिएरा लिऑन येथील इबोला विषयातील तज्ज्ञ डॉक्टरांचाही मृत्यू झाला असून, वैद्यकीय क्षेत्रातील ६० पेक्षा जास्त व्यक्तींना उपचार करताना प्राण गमवावे लागले आहेत. इबोला प्रादुर्भावय्रस्त लोकांचा मृत्यू झाल्यानंतर त्यांचे दफन किंवा दहन अत्यंत काळजीपूर्वक करावे. प्रादुर्भावग्रस्त परिसरामध्ये मांस, रक्त किंवा दुध चांगले शिजविल्या / उकळल्याशिवाय वापरू नये.

 दिवसातून किमान दोन वेळा हातपाय साबणाने स्वच्छ धुवावेत, कारण इबोला विषाणू साबणाच्या फेसात अकार्यक्षम होतो.

- मांसाहारी लोकांनी विशेष स्वच्छता बाळगावी.
- मांस खरेदी करताना ते स्वच्छ ठिकाणाहून घ्या.
- मांस नीट शिजवावे.
- आजारी किंवा दुखापतग्रस्त प्राण्यांचे मांस खाऊ नये.
- स्वच्छ पाणी प्यावे, बाहेरचे खाद्यपदार्थ खाणे टाळावे
- जेवण किंवा काहीही खाण्यापूर्वी हात स्वच्छ धुवावे.
- केरकचऱ्याची विल्हेवाट लावून परिसर स्वच्छ ठेवावा.

इक्हिडीचे निदान करण्यापूर्वी मलेरिया, टायफॉईड, कॉलरा, लेप्टोस्पायरोसिस, प्लेग, कावीळ व अन्य तापांच्या चाचण्या करून घेणे आवश्यक असते. मात्र रक्त व अन्य स्नावांचे नमुने अत्यंत काळजीपूर्वक हाताळणे आवश्यक आहे. इबोला मुख्यत: उन्हाळा व हिवाळ्यातच जास्त पसरतो.

संदर्भ :

- वृत्तपत्रे, सकाळ, पुणे मिरर (विज्ञान)

- स्पर्धा परीक्षा (मासिक)

- Seminar National Institute of Virology on Ebola Virus.

जीवनात कला आणि कलेतच जीवन

(प्रतिक्षा प्रकाश विंचूरकर (T.Y.B.Com.)

annana Cicci Conservation

नोकरी, व्यापार यातून मिळणाऱ्या पैशांतून आपण जगू शकतो, पण जगायचं कशासाठी, याचं उत्तर कलेतून आपल्याला मिळते.' - पु. ल. देशपांडे

अन्न, वस्त्र व निवारा या तीन मूलभूत गोष्टींच्या पाठीमागे मनुष्य सदैव धावत असतो. मात्र या तीन गोष्टींच्या पुढे देखील जग आहे, याची जाणीव मनुष्याला होत नाही. याचं कारण असं की, हल्लीचे आयुष्य अत्यंत धावपळीचे झाले आहे. दैनंदिन कामे सांभाळताना अनेकदा आपण ताणतणावाखाली असतो, त्यातून मोकळे होण्यासाठी कलेसारखे दुसरे उत्तम माध्यम नाही. माणसामध्ये कुठलीच कला नसणे, शक्यच नाही, प्रत्येकात एक-न-एक कला नक्कीच असते. संगीत, गाणे, वाचन, चित्रकला करणे, शिकवणे, पाककला इत्यादी कलांची वेगवेगळी माध्यमे आहेत. यापैकी काही नसले तरी काही लोकांमध्ये नाती जपणं, सांभाळणं ही कला असते, होय ! ही सुद्धा एक कलाच आहे. कारण नात्यांचे मोल आजच्या काळात कुठेतरी हरवत चालले आहेत. नाती जपणे हे सुद्धा प्रत्येकाला जमतेच असं नाही.

प्रत्येक कला ही, स्वतःचं एक वेगळं रूप घेऊन आपल्यापुढे येत असते; परंतु कलेला आपल्यासमोर आणण्याची संधी मात्र आपणच उपलब्ध करून द्यायची असते. मला गाण्याची आवड आहे, माझ्यासाठी जगणे व गाणे वेगळे नाहीच. माझे आयुष्य गाण्याने समृद्ध होईल याची मला खात्री आहे. मला शास्त्रीय व सुगम संगीत गायला व ऐकायला आवडतं. गाण्यात मी तल्लीन होऊन जाते आणि त्यात मला निस्सीम आनंद मिळतो. संगीत ही परमेश्वरी कला आहे असं मला वाटतं. गाण्यासोबत मला कविता करायचा सुद्धा छंद आहे आणि हा छंद मला एका नव्या कलेकडे घेऊन जातो. तो म्हणजे वाचनाचा छंद ! हा एक असा छंद आहे ज्यामुळे माणसाच्या व्यक्तिमत्त्वाचा विकास होतो, भाषा सुधारते, वैचारिक पातळीत बदल होतो, ज्ञान वाढतं ते वेगळंच. मला वेगवेगळ्या लोकांचे, त्यांच्या आयुष्यातले अनुभव, प्रसिद्ध व्यक्तींचे आत्मचरित्र, कादंबरी हे सगळं वाचायला आवडतं आणि माझ्या या छंदांमुळे माझ्यात निश्चितच बदल

झाला आहे. हे केल्यामुळे जीवन सुंदर आणि समाधानी वाटतं. संगीत, कविता आणि वाचन या तिन्ही गोष्टी मला आयुष्याकडे सकारात्मकतेने बधायचा दृष्टिकोन देतात. गाण्यातून मला एक वेगळाच आत्मविश्वास मिळतो, ज्यामुळे विचार कायम आशावादी असतात आणि मन प्रसन्न राहातं.

माणसाच्या आयुष्यातून कलाच काढून टाकली तर आपलं आयुष्य बेचव आणि नीरस होऊन जाईल. स्वत:चा विचार करायला शिकवणारी, पुढे जायला शिकवणारी, चुकल्यास फटकारणारी आणि धडपडल्यावर सावरणारी कलाच तर असते. मला वाटतं जीवनाकडे आश्वासक नजरेने पाहायचे असल्यास तुमच्या जगण्यात कलेची साथ असायलाच हवी. प्रत्येकाला कलाकार होणे शक्य नसले, तरी रसिक मात्र नक्कीच होता येईल. याचा अर्थ प्रत्येकाला गाता आले पाहिजे, वाद्य वाजवता आले पाहिजे असे नाही. इतरांचे ऐकून त्याला दाद देणे ही सुद्धा एक कलाच आहे.

आजच्या धावत्या जगात, लोक पैशाला प्रथम आणि समाधानाला

दुय्यम स्थान देत असतात. पैसा असून सुद्धा समाधान नाही हे लोकांच्या लक्षात येईपर्यंत उशीर झालेला असतो. माणसाला ज्या गोष्टींची आवड आहे, त्या गोष्टी करण्यासाठी अधिक प्रयत्न केले पाहिजेत. माझा प्रत्येक छंद जोपासताना, त्यात लागणारी तंद्री आणि त्यात मिळणारा आनंद मला दुसऱ्या विश्वात घेऊन जातो.

शेवटी, मी इतकेच सांगू इच्छित आहे की, कला कोणतीही असो, ती जोपासण्यामागचा विचार महत्त्वाचा असतो. आपल्यातील कलेला ओळखून त्यासाठी संधी शोधत राहाणे आपल्याच हातात असत. रोजच्या जगण्यातला मोकळा श्वास मिळण्याची हक्काची जागा आणि मन:शांतीचा खात्रीचा पर्याय म्हणून मी कलेचंच नाव धेईन.

> "या अवध्या मोठ्या जगात, माझं माझ्या कलेसोबतचं नातं व आमचं छोटंसं विश्व मला खूप आवडतं, कला ही आपल्या बुद्धीला जगण्याची नवी ऊर्मी आणि बळ देत असते. तेव्हा तुम्हीही आपापल्या कलेवर प्रेम आणि श्रद्धा ठेवा आणि यातली जादू अनुभवा !''

> > RRR

जळणारा माणूस

(आरेकर अंकुश रामदास (F.Y.B.A.)

साधारणपणे सायंकाळचे सहा वाजून गेले असतील. घरी काही काम नव्हतं म्हणून म्हणा किंवा कुणीतरी काहीतरी काम सांगेल म्हणून म्हणा मी घरातून नुकताच बाहेर पडलो होतो. सहज तास-दोन तास बाहेर कुठेतरी बाकड्यांवर जाऊन बसण्याची योजना मनात रेंगाळत होती. रस्ता ओलांडण्यासाठी रस्त्याच्या कडेला असलेल्या दिव्याच्या खांबाला जरासा चिकटून उभा राहिलो. खांबावरचा दिवा नुकताच लागला असावा, कारण वाहनांचे दिवे अजून तरी लागले नव्हते. त्या खांबावरील बल्बचा लालसर प्रकाश थोडा स्पष्टच जाणवत होता. त्या लालसर उजेडात मी काही वेळ माझ्याकडेच बघत राहिलो.

इतक्यात शेजारी कुणीतरी आल्याचा मागमूस मला लागला. त्या उजेडात माझ्याकडेच बघणारा मी दिव्याखाली अंगावर किडे पडतातच या सर्वज्ञात गोष्टीचा वापर करत. अंग झटकण्याचे सोंग केले. खरं तर तसं करण्याचं काही एक कारण नव्हतं. कारण त्या सत्तर-पंचाहत्तर वर्षांच्या आजोबांनी मला पुरतं नीट पाहिलंही नव्हतं ते मागाहून कळलं. आजोबांना जरा जास्तच घाई असावी, म्हणून ते माझ्याही पुढं दोन

पावलं रस्ता ओलांडण्यासाठी उभे होते. वाहनांची रहदारी त्या रस्त्यावरून जरा जास्तच असायची. त्यामुळेच आम्ही थोडंस म्हणजे आठ-दहा फुटांवर असलेल्या झेब्रा क्रॉसिंगचा वापर करायचा म्हणून उजवीकडे सरकलो. एरवी झेब्रा क्रॉसिंग असो किंवा सिग्रल असो यांच्याकडे ढुंकुनही बघायची सवय नसलेले आपण अडचणीचे वेळी नियमांकडे धावून जातो व तेव्हा तरी किमान ते नियम कामास येतात. आजोबा सत्त-पंचाहत्तरीतले असावेत हे जाणवले. खरे, पण रस्ता ओलांडण्याची त्यांची धडपड पाहून त्यांच्या वयावर शिक्कामोर्तब करता येईना. सिग्रल आता पडेल (लागेल), मग पडेल अशी त्यांच्या मनात चाललेली घालमेल मला स्पष्ट जाणवली. पण सिग्रल पडूनही (लागूनही) वाहने थांबत नव्हती हे मात्र त्यांच्या लक्षात येत नसावं असं मला वाटलं. पण जरी ते लक्षात आलं जरी असलं तरी ते दुसरं काय करू शकले असते ?

मी स्तब्ध होतो. त्या दिव्याच्या लाल प्रकाशात आजोबांचा चेहरा फारच उजळला होता. (केवळ प्रकाशाने) डोक्यावरचे केस, ओठांवरच्या मिशा, आणि थोडीसे वाढलेले दाढीचे खुंट, मात्र



अगदी बगळ्याप्रमाणं पांढरे-शुभ्र डोक्यावरच्या केसांची ठेवण एखाद्या पुणेरी लेखकासारखी. काखेत एक लांब बंदाची कापडी 'शबनम' पिशवी. पिशवीत फारसं काही नसावंच, पण त्यावर विचारही केला नाही. कारण पुणेरी वयस्कर माणूस रिकामी का होईना पण काखेत एखादी कापडी पिशवी मारणारच हे मला ठाऊक होते. (अर्थात ती पिशवी रिकामीच होती असं नाही). निरखून पाहिलं तर हाताच्या बोटांची थोडी व पायाच्या बोटांची जरा जास्तच वाढलेली परंतु स्वच्छ नखं. हाताच्या शिरा स्पष्ट दिसाव्या इतका पांढराशुभ्र माणूस. हातावरच्या बाह्या दुमडलेल्या. डोळे थोडेसे गारुळे परंतु भावनाशून्य ! चेहऱ्यावर, कपाळावर सगळीकडे सुरकुत्यांची वर्तुळं मात्र साठी

> ओलांडल्याची साक्ष देत होती. कान मात्र अगदीच मऊ-मऊ, लोंबकळणारे. कानाची भोके दुरुनही जाणवली. पायांत शंभर-सव्वाशेचे पायाताण. हातामध्ये चामडी पट्ट्याचं जरासं मोठं-जुनं घड्याळ. घड्याळ्याच्या कडेने पांढरेच लव, तेही वाऱ्याच्या झुळकीने हलताना दिसावेत एवढे लांब. दाट भुवया त्याही पांढऱ्या मिशीप्रमाणेच. अंगातला पांढरा सदरा जरी लालसर प्रकाशात स्वच्छ वाटत असला,

तरी जरासा मळकटलेलाच. खिशात एक साधाच पेन, आणि एखादी डायरी असावी.

आता काही वाहनांचे दिवे सुरू झाले होते. हे म्हणण्यापुरते का होईना आमच्यासमोर उभ्या राहिलेल्या एका कारवाल्याने ते लावले असावेत. आमच्यासमोर म्हणजे अगदी 'झेब्रा क्रॉसिंगवरच' त्याची कार उभी होती. सिग्रल पाळतोय ! मग तो झेब्रा क्रॉसिंगवर गाडी उभी करून का असेना ! या अविर्भावातच त्याने तो दिवा लावला असेल असं वाटलं. आणखी एक कार त्या कारला लागून पलीकडे तशीच पण आणखी थोडी पुढे उभी राहिली. दोन मोठ्या गाड्या उभ्या होत्या म्हणजे रस्ता ओलांडायला हरकत नाही असं मला वाटलं महणून मी थोडासा सरकून पुढं चालू लागलो. आजोबा माझ्या पुढे तोच विचार करत रस्ता ओलांडत असावेत. मीही जरा इपझप पावले उचलली. आजोबांना अगदी खेटून चालावे एवढ्याजवळ जातो न जातो तोच भरधाव वेगाने येणारी आणखी एक कार मला दिसली. खरंतर दोन गाड्या थांबल्या होत्या. खऱ्या पण मोटारसायकलवाले थांबायचे कुठले ? त्याचप्रमाणे त्या वेगाने आलेल्या कारवाल्यांचाही बेत असावा. रस्ताही पुढे मोकळाच होता. पण उभ्या असलेल्या कारच्या पुढून आजोबा त्याच्या गाडीस आडवे येतील असा अंदाज त्या कारचालकास कसा येणार ? तेवढ्यात पलीकडून साधारणपणे माझ्याच वयाच्या (वीस वर्षे) एका मुलीने आ वासून कानास हात लावून किंकाळी फोडलेली मला ऐकू आली. कारच्या चालकाने दिवा चालू-बंद केला, हॉर्नही वाजवले पण आजोबांना काही उमगलं नसावं. ते सरळच पुढे गेले. पुढच्या क्षणी काय होईल याची कल्पना करायलाही वेळ नव्हता. माझ्याही तोंडून काहीतरी आवाज निघाला आणि मी आजोबांचा हात धरून जोरात मागे खेचले. पण गाडीचा थोडासा धक्का लागल्यामुळे ते सरळ माझ्यावर फेकले गेले. रस्त्याच्या पलीकडे उभ्या असलेल्या मूलीने सुटकेचा निःश्वास सोडला तेवढा मला कळाले. आजोबांच्या पायाला थोडीशी दुखापत झाली होती. त्याच उजव्या पायातलं पायतानही पायात नव्हतं. मग एवढं घडल्यावर मात्र सगळे अगदी सग्नल नसतानाही थांबल्याचे मला दिसले. कारवाला कार घेऊन कधीच सुसाट गेला होता.

रस्ता रिकामा होता. कारण आता सगळ्या गाड्या थांबल्या होत्या आणि गर्दीही जमली होती. मी आजोबांना हाताला धरून रस्त्याच्या पलीकडे नेले. ते अजून भानावर आले नव्हते. त्यांना काय झाले हे काहीच नीट कळले नव्हते. गर्दीतल्या काही जणांनी माझे आभार मानले. पण मधाशी कानाला हात लावून आ वासणारी मुलगी मात्र काहीच बोलली नाही. इतर

(गर्दीतल्या) काही लोकांप्रमाणे ती सहज केवळ निघून गेली. त्या वेळेस मलाही काहीच वाटले नाही. कारण एखाद्याच्या जिवावर बेतलेला प्रसंग पाहून 'आ' वासण्यापलीकडे त्या शहरी मुलांकडून मी दुसरी काय अपेक्षा करणार ? (अर्थात अपवाद वगळता)

सगळी गदीं आता पांगली होती. मी रस्त्याच्या कडेला असलेल्या एका दगडावर आजोबांना बसवले होते. माझ्याकडे खूप वेळ होता; पण आजोबा मात्र घाईने उठले. परत असं घडू नये म्हणून मी सूचना न करता सहज सांगावं म्हणून म्हटलं, 'आजोबा, जरा जपूनच फिरत जा बाहेर. आपण दोघेही वाचलो आता नाहीतर...'' एवढं ऐकूनही आजोबांचा चेहरा, डोळे अगदी भावनाशून्यच ! मी मदत केली म्हणून मला बोलण्याचा हक्क होता जणू आणि त्यांनी मदत घेतली म्हणून त्यांना बोलण्याचा अधिकारच नव्हता जणू ! आजोबा एकदम शांत होते. मला वाटलं काहीतरी महत्त्वाच्या कामाला निघाले असतील व त्याचाच विचार त्यांच्या डोक्यात घोळत असेल. अशा अवस्थेतच काही क्षण गेले. आता उशीरही झालाच होता. सगळ्याच वाहनांचे दिवे लागले होते. रस्त्याच्या कडेने फुटपाथवरून 'चालायला' म्हणून जाणाऱ्यांची संख्याही मघाच्या संख्येहून दुप्पट-तिप्पट झाली होती. गोगंटही वाढला होता. आजोबांनी पलीकडच्या एका इमारतीकडे वळून दोन-तीन वेळा पाहिलं होतं यापलीकडे त्यांनी कोणतीच हालचाल केली नव्हती, पण जाताना त्यांनी एक कागद माझ्या हातात दिला व ते निघून गेले. दुखापत झालेल्या पायाकडे लक्ष न देता फूटपाथवर चालायला आलेल्या माणसांप्रमाणे चालण्याचा प्रयत्न करत आजोबा दूरदूर गेले. आजोबा दिसेनासे झाले तेव्हा मी तो कागद वाचला. त्यावर एका वृद्धाश्रमाचा पत्ता होता. मी आजोबा पाहात असलेल्या इमारतीकडे वळून पाहिलं. मघाची ती माझ्याच वयाची मुलगी जी लगेच निघून गेली होती ती त्या इमारतीच्या शुभ्र प्रकाश असलेल्या खोलीच्या खिडकीतून हे सारं बघत होती. तिच्चासोबत आणखीन काहीजण हा प्रसंग बघून चर्चा करत असावे असं दिसलं. मीही आता माझ्या मार्गाला लागलो. ज्या बाकड्यांवर बसण्यासाठी निघालो होतो त्या बाकड्यांच्या वाटेनं...

मी त्या इच्छित बाकड्यावर जाऊन बसलोही; पण मनात

विचारांची वादळे उठत होती. तरीही आजोबांनी दिलेल्या कागदाच्या तुकड्याचा अर्थ मला तेव्हा कळालाच नाही. म्हणून त्या रात्री मी निश्चय केला की, रविवारच्या सुटीला त्या कागदावरच्या पत्त्यावर जाऊन त्या वृद्धाश्रमास भेट द्यायची. या निश्चयाने त्या रात्री मी झोपी गेलो. लगेच, आलेल्या रविवारी मी त्या जवळच असलेल्या वृद्धाश्रमात गेलो. वृद्धाश्रम तसा मी पूर्वी नव्हताच पाहिला. पण एकंदर सोयीसुविधा

बऱ्या वाटल्या. स्वच्छताही उत्तम होती. पटांगणही मोठं होतं. आतल्या बाजूस एक विरंगुळा केंद्र होतं. तिथं आजोबा असतील असं वाटून गुलमोहराने वेढलेल्या त्या मैदानातून मी जात होतो. इतक्यात ''अरे बाळ आलास तू ?'' असे शब्द माझ्या कानावर पडले. तो आवाज एका गुलमोहराच्या झाडाखालून आला होता. आजोबांनी खुणेनं मला तिकडं बोलावलं. मीही झपाट्याने गेलो. कारण मला उत्सुकता होती त्यांना भेटण्याची...

आजोबा अगदी आधी पाहिले त्याच अवतारात होते. दाढीचे खुंट थोडीशी जास्त वाढले होते. तर अंगावरचा सदरा जरा जास्तच मळला होता एवढाच काय तो बदल. चेहऱ्यावर थोडासा वेगळाच भाव जाणवला तो निराळाच. इतक्यात तेथील एका कर्मचाऱ्याने आजेबांना सूचना दिली, ''काका, तुम्हाला आजपासून या वृद्धाश्रमाच्या फाटकाबाहेर जाता येणार नाही. सारं काही इथेच मिळेल.'' आजोबा तरीही भावनाशून्यच होते. तो कर्मचारी तशी सूचना का देतोय हे आजोबांना आधीच माहीत असावं. अशा तन्हेने त्यांनी मान हालवली. पण मलाच राहवलं नाही. मी त्या कर्मचाऱ्यास त्याबद्दल विचारलं तेव्हा मला कळाले की त्या आजोबांच्या मूलांनी वृद्धाश्रमात लेखी



तक्रार केली आहे की मागच्या आठवड्यात हे आजोबा त्यांच्याकडे काही कामानिमित्त व पैसे आणावयास गेले व गाडीस धडकता-धडकता वाचले. आजपासून आजोबांचे वृद्धाश्रमाचे पैसे ते पाठवून देणार होते आणि आजोबांना काही बरे-वाईट झाले तर वृद्धाश्रमास कारणीभूत धरणार होते. त्यामुळे तशी सूचना त्या कर्मचाऱ्याने दिली होती.

मी आजोबांकडे गेलो. त्या कर्मचाऱ्याने मला काय सांगितले असावे, हे आजोबांनी अगदी तसेच सांगितले. पण या सांगण्याचा अर्थ कर्मचाऱ्याच्या सांगण्यापेक्षा वेगळा हाता, कारण हे सांगताना आजोबा हुंदक्याचा आवाज न करताच डोळ्यांतून अश्रू ढाळत होते. नकळत त्यांनी माझ्या खांद्यावर हात ठेवून जणू आधारच शोधला होता. शेवटी आजोबांना हुंदका अनावर झाला. आजोबा धाय मोकलून रडायला लागले. त्यांना आधार द्यावा इतका आधार माझ्याकडे कुठून येणार ? मला काहीच सुचेना. त्यांच्या चेहऱ्यावरच्या प्रत्येक सुरुकुतीच्या घडीमागे दडलेल्या एकेक कथा आजोबा सांगायला

लागले. पाण्यात दगड मारून भाकऱ्या खेळताना पाण्याची एकामागे-एक उमटणारी वर्तुळं जशी मोठी-मोठी होत जातात तसेच काहीसे त्या कथांचे स्वरूप होते. एका गोष्टीने तर माझ्या मनात अगदी चर्रर झालं. त्या दिवशी आजोबा गाडीला धडकतील म्हणून कानाला हात लावून 'आ' वासणारी, लगेच निघून जाणारी, वरून खिडकीतून बघणारी ती माझ्या वयाची मुलगी म्हणजे आजोबांची नात होती. आणि

खिडकीतून आजोबांच्या धडकण्यावर चर्चा करणारे ते दोन तरुण आजोबांची मुले होती. आणि शेजारी खिडकीत उभ्या होत्या त्या दोन स्त्रिया सुना होत्या.

त्या इमारतीकडे खिडकीच्या दिशेने आजोबा का बघत होते ते आता उमगलं होतं, पण मग त्या सगळ्यांचे स्वभाव ठाऊक असूनही आजोबा का त्यांच्याकडून काही अपेक्षा करत असावेत ? या प्रश्नाचे उत्तर मात्र आजोबांच्या शेवटच्या सांगण्यातून कळाले.

"अरे बाळ, त्या दिवशी मी म्हातारीला भेटून पैसे घेऊन यावेत म्हणून घरी मुलांकडे गेलो होते; काखेत मारलेल्या पिशवीत त्या दिवशी पैशांचे जुडगे होते. त्या दिवशी माझी राम-लक्ष्मणासारखी असणारी दोन्ही मुले घरीच होती. दोघंही पुण्यातच नोकरीला आहेत. धाकट्या मुलाचे लहान मूल सांभाळायला म्हणून त्यांनी म्हातारीला (आजोबांची पत्नी) वृद्धाश्रमातून घरी माघारी नेले आहे. आणि मला एकट्यालाच या इथं ठेवलंय. आता मलाही नाही रे त्याचं वाईट वाटतं काही, पण या वयात कुणीतरी सोबतीला असावं वाटतं. त्या दिवशी पैसे घेताना म्हातारीपण माझ्यासोबतच इथं राहायला येते असं मला म्हणत होती. जिने आयुष्यभर साथ

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दिली तिने आजही माझ्याबराबेर सोबत राहण्याचे वचन दिले होते. तिलाही तिथं सुनांमध्ये कोंडल्यासारखं होतं. पण मुलांनी ऐकले नाही, तिला माझ्यासोबत इथं पाठवलंच नाही. शिवाय मी गाडीला धडकलो हेही कळू दिलं नसेल.''

आजोबा रडत-रडत हे सारं सांगत होते. डोळे पुसून-पुसून सदऱ्याच्या बाह्या ओल्यावल्या होत्या. मला सारं समजलं. मुलांनी त्यांच्याकडेच यांना सांभाळावं असं आजोबांचं म्हणणं आजिबात नव्हतं. पण माझी म्हातारी व मी शेवटपर्यंत एकत्र राहाणार ही अपेक्षा मात्र आजोबा करत होते, तेवढ्या एका इच्छेसाठी त्या इमारतीकडे ते पुन्हा पुन्हा वळून पहात होते. पण आता तर तेही थांबणार होते... आजोबांच्या उजव्या पायाला झालेली थोडीशी जखम कोणत्याही मलमाशिवाय चांगली भरली होती. पण आजोबांच्या मनाला झालेल्या जखमा आता कधीच भरणार नव्हत्या. असा विचार मनात येऊन माझे मन अगदीच पिळवटून गेले. ओजाबांनी स्वत:ला सावरावं असं काहीच उरलं नव्हतं. पण तरीही ओजाबांनी

> रडणं थांबवलं. 'शबनम' पिशवीतून एक वही काढली, पेन काढला व ते लिहीत असलेल्या पुस्तकाचा शेवट त्यांनी माझ्यांसमोर केला. तो असा - ''सांग देवा, सांग असं का केलंस तू ? मातीतून निषाणाऱ्या सोन्याला सोन्यासारख्या माणसांपेक्षा जास्त किंमत का दिलीस तू ?''

> पुस्तकाच्या अगदीच शेवटी मन पिळवटून टाकणारा हा मजकूर वाचताना

मला अस्वस्थ वाटलं. अगदीच शेवटी, शेवटच्या पानावर आजोबांनी त्यांच्या पत्नीच्या विरहाने पुस्तकातल्या मजकुरास अनुसरून चार ओळी लिहिल्या होत्या.

काल, हृदयात तिच्या नि माझ्या सारी फुलेच फुलली होती

- आज,
- आम्ही हार आणाया गेलो
- महाग बुकेच बनली होती...

हा शेवट लिहून त्यांनी वही माझ्याकडे दिली. त्या वहीत लिहिलेल्या पुस्तकाचं नाव होतं 'जळणारा माणूस' !

पुस्तकाचं नाव मी फक्त पाहात नव्हतो, तर प्रत्यक्ष अनुभवत होतो. त्या जळणाऱ्या माणसाच्या ज्वालांची धग मला तिथंच जाणवत राहिली. त्या प्रतिभावंत लेखक-कवीकडे मी पाहातच राहिलो. ज्याला मी भावनाशून्य म्हणत होतो त्याच्या चेहऱ्यावरल्या सुरुकत्यांच्या वर्तुळाचा परीघ माझ्या समजण्यापलीकडचा होता...

RAR

सांगावंसं वाटतं असं काही...

नेहा शंकर बवले (XII))

आयुष्य एक सुंदर दुनिया... कळी जेव्हा उमलतच असते तेव्हा तिला आपण फूल झाल्याचा भास होतो. आपण इतर फुलांप्रमाणे सुंदर आणि मोहक आहोत असं त्या कळीला वाटतं. अगदी जीवनात तारुण्यही तशाच प्रकारच असतं.

आपल्यासमोर प्रकटलेल्या सगळ्या आभासी प्रतिमा असतात मात्र आपण या गोष्टीला जाणून देखील प्रतिमेला खरेच समजण्याची चूक नकळत करतो.

खरं तर जीवन अगदीच सुंदर आहे. फुलपाखरू जसं जाणता अजाणता सगळ्या फुलांवर, वेलींवर, सर्वत्रच बेधुंद हुंदडत असतं ना... तसंच एका माणसाचं मन असतं.

मन वाऱ्यासारखं वाहण्याचा प्रयत्न करत, फुलांसारखं सुगंध निर्माण करण्याचा प्रयत्न करतं, त्याच्या इवल्याश्या डोळ्यांना सारं जग रम्य वाटत असतं, सगळं सुंदर, चांगलं, आनंद देणाऱ्या गोष्ठी सारं सारं काही देवानी जणू काही त्याच्यासाठीच निर्माण केल्यात असं त्याला वाटतं. मन देखील फुलपाखरासारखं आपल्या अंगावरचे नानाविध रंग सगळीकडे घेऊन फिरतं त्याची मैत्री होती सुंदर फुलांशी, हिरव्या-हिरव्या पानांशी आणि त्याचबरोबर त्याच्यां अंगाला बोचणाऱ्या काट्यांशी देखील. काट्यांच्या स्पर्शाने फुलपाखरूं फुलांपासून, पानांपासून दुरावलं जातं खरं, पण आनंद राहाण्याच्या मूळ स्वभावधर्माप्रमाणे आनंदाच्याच भावनेने ते सर्वत्र भिरभिरत असतं, तसंही साऱ्याच गोष्टी करण्यासाठी, आनंदी राहाण्याच्या मूळ स्वभावधर्माप्रमाणे आनंदाच्याच भावनेने ते सर्वत्र भिरभिरत असतं, तसंही साऱ्याच गोष्टी करण्यासाठी, आनंदी राहाण्याच्या मूळ स्वभावधर्माप्रमाणे आनंदाच्याच भावनेने ते सर्वत्र भिरभिरत असतं, तसंही साऱ्याच गोष्टी करण्यासाठी, आनंदी राहाण्यासाठी, नानाविध प्रसंग अनुभवण्यासाठी एकच जे आयुष्य असतं त्याच्याकडे, अगदी लहान, फार थोडं...

याला अपवाद मात्र माणसाचं मन असतं. समाजाने निर्माण केलेल्या पाशांत ते अडकत जातं. न उमगणाऱ्या कोड्यांना सोडवण्याचा प्रयत्न करतं आणि फुलपाखरासारखं बेधुंद उडता-उडता अगदी गुंतत जातं.

फुलपाखरू तर बोचणाऱ्या काट्यांना विसरून, कोमेजलेल्या फुलांनाही न पाहाता पुढे आणि पुढेच उडत जाते तेही प्रत्येक क्षणाचा आनंद घेत, माणसाच्या मनानही एकदा तरी फुलपाखरू व्हावं आणि अगदी आसमंतात मस्त विहरावं.

मनानं स्वच्छ असावं, निर्मळ असावं, मनानं देखील या व्यवहाराच्या-व्यापाराच्या बाजारात भावनांचा आणि जाणिवांचा जुगार नाही खेळावा, पण मात्र कोणाशी तरी करावी ना दुनियादारी ! निराश न होता, उदास न राहाता मनस्वी फुलपाखराने पुन्हा उंच . उठावे आणि जीवनाच्या वेलीवर आनंदाने घ्यावे हेलकावे. फुलपाखरू जसं त्या काटेरी झाडाला, कोमेजलेल्या फुलाला पाहून इकडे-तिकडे भिरभिरणं सोडत नाही तसं माणसाच्या मनानं देखील दाखवावा थोडा धीर लागलेल्या ठेचेला विसरून पुढे भटकावं नव्या सोबतीच्या शोधात... पुन्हा एकदा खेळकर वृत्तीने बघावं या आयुष्याकडे आणि जाणिवांना जागंच ठेवावं. अनुभवांचा आनंदही घ्यावाच. कोणतंही कटू गृहीतक स्वतःजवळ न बाळगता अगदी असे वागावे जसे काही या मनाला नाविन्याचे डोहाळेच लागलेत जणू.

एखादी व्यक्ती आवडत नाही अथवा एखादीच व्यक्ती आवडते असं काही नसतं. मात्र विशेषत: एखाद्या माणसाच्या मनाला अधिक भावतं ते दुसऱ्यातलं नावीन्य !

तसंच या नवख्या माणसानेही आयुष्याच्या प्रत्येक पावलावर नाविन्याला खऱ्या अर्थानं स्वीकारावं. तसंही आयुष्य एकच असतं. त्याच्यात आपणच तर रंग भरावयाचे असतात ना !! आयुष्य हे अमूल्य आहे. जगात अगदी प्रत्येक गोष्टींपेक्षाही मग ती कितीही प्रेट असो.

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भाइां प्रेम 🦘 ないのかなななないのであるなななないのなななないのなななななななないので तुझी माझी ओळख, तुझं माझ्या जीवनात येणं, सारं काही अचानकपणेच घडत गेलं नाही का... ? तेथून कुढे जीवनाला एक लयबद्धता आली, रखाद्या विणेचा तार हळूच छेडावा, अन् तो निनादत झंकारावा, असंच झालं... या नात्याची ओळख मला तुझ्यात दिसली रका विशाल प्रेमाची, ज्यात ना कुठे धुके आहे ना दाटलेले ढग निरभ आकाशासारखं... नितळ पाण्यासारखं.. अगदी तुझ्यासारखं... माझं प्रेम - पूजा किसन पडवळ (S.Y.B.Sc.-B) 🌋

स्वदेशी बांधणीत मैलाचा दगड

(वैभव भुमकर (S.Y.B.Sc.))

00,00

काही दिवसांपूर्वी भारताच्या जहाज बांधणीच्या क्षेत्रात, मैलाचा टप्पा गाठला गेला. स्वदेशी बनावटीच्या 'INS कोलकाता' आणि 'INS कमोटी' या दोन भारतीय बनावटीच्या युद्धनौकांचे अनावरण करण्यात आले. त्याचप्रमाणे सीजीएस 'बॅराकुडा' नावाची भारतीय बनावटीची टेहळणी युद्धनौका नुकतीच मॉरिशसला निर्यात करण्यात आली. तसेच आणखी काही नौका व्हिएतनामला निर्यात करण्यात आहोत. त्याचप्रमाणे INS विक्रांत या विमानवाहू नौकेचे काम प्रगतीपथावर असून, ती लवकरच सेवेत दाखल होईल. अरिहंत नावाच्या भारतीय बनावटीच्या अणुपाणबुडीचा देखील नौदलाच्या ताफ्यात समावेश झाला. त्याचप्रमाणे इतर प्रकल्प प्रगतीपथावर असून, त्यामुळे भारताची सागरी सुरक्षा अधिक बळकट होणार आहे. त्याचप्रमाणे या वरील प्रगतीवरून भारताच्या जहाजबांधणीच्या क्षेत्रात नक्कीच सुवर्णयुग आले आहे असे अधोरेखित करायला हरकत नाही.

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भारतात जहाजबांधणीचा उल्लेख वेदकाळापासून आढळतो. जावा, सुमात्रा, बेटांपर्यंत ते पॅसिफिक महासागरापर्यंतच्या प्रदेशातही भारतीयांच्या व्यापारखुणा आढळतात. त्याचप्रमाणे शिवाजी महाराजांचे नौदल सामर्थ्य परिचित होते.

भारतीय हवाईदलाचा विचार करायचा झाला तर भारतीय बनावटीचे 'तेजस' हे हलके लढाऊ विमान ताफ्यात दाखल होत आहे. त्याचप्रमाणे हवाईदलाची शान असणारे सुखोईच्या पाचव्या पिढीतील विमाने तयार करण्याचा करार रशियासोबत झाला आहे. तसेच यामध्ये प्रामुख्याने ध्रुव, चित्ता चेतक यांचे हेलिकॅप्टर यांचे उदाहरण देता येईल.

भारतीय भूदलाचा विचार करायचा झाला, तर अर्जुन नावाचा भारतीय रणगाडा लष्करात सामील झाला असून, चोख कामगिरी बजावत आहे. त्याचप्रमाणे इस्रायल सोबत विविध हेलिकॅप्टर भारतातच बनवण्याचा करार झाला आहे. त्याचप्रमाणे DRDO च्या इतर प्रकल्पांचा यांचा यात समावेश करता येईल.

नव्या सरकारच्या धोरणानुसार थेट परकीय गुंतवणुकीचा संरक्षण क्षेत्रातील मर्यादा ४९% केल्याने मोठ्या प्रमाणावर या क्षेत्रात उद्योगांना संधी आहे. त्याचप्रमाणे मेक इन इंडिया नावाची महत्वाकांक्षी योजना संरक्षण क्षेत्राच्या विकासासाठी फायदेशीर ठरेल.

त्याचप्रमाणे या क्षेत्रातील खासगी क्षेत्राचा सहभाग महत्त्वाचा आहे. त्याचप्रमाणे युवकांना रोजगारांच्या आव्हानात्मक संधी खुणावत आहेत. त्यांनी आपली क्षमता, कौशल्ये विकसित करावीत आणि देशकार्यात स्वत:ला झोकून द्यावे, देशाचे ''संरक्षण कवच'' मजबूत करण्यात हातभार लावावा.

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वृक्ष माझे मन... वृक्ष आहे रे मी, वृक्ष माझे मन मुळे माझी घट्ट, देते माती मला आधार धरती माय माझी माउली, मी तिची ग सानुली सूर्यदेवता माझा पिता, पोसतो मला प्रति-दिनी आली वाऱ्याची झुळूक, खेळवाया मला झाले मी त्यात दंग, स्वतःला झुलवाया रवढे उपकार निसगचि, कसे फेडू मी त्याचे म्हणून देते सर्वाना, गोड फळे सुंदर फुले जो येतो दमून भागून. भी देते त्याला त्या तळपत्या उन्हात छाया हेच माझे प्रेम देते, मी भरभऊनी रिमझिम रिमझिम पाऊस धारा न्हावू घातले मजला माझे रूप हे हिरवेगार मोहावले पशुपक्षी विसावतात माझ्या अंगाखांद्यावर आनंद देतो मजला त्यांचा किलबिलाट सेकून कधी होते त्यांचा निवारा तर कधी चारा ह्यातच आहे आनंद मला सारा वाटते समाधान मला कारण मी आहे रक वृक्ष स्वतःच स्वतःमध्ये दडलेला घेऊन निसर्गाचं प्रेम ह्या आसमंतात विरघळलेला वाटे मनी आल्हाद सर्वांना माझ्यात सामावताना शेवटपर्यंत करीन सेवा. हेच माझे ध्येय. हेच माझे ध्येय. वृक्ष आहे रे मी, वृक्ष माझे मन - अश्विनी रमेश कांबळे (T.Y.B.Sc.)

Modern 2014 - 15 + 114

गजरा

रुद्राणी राजेश नाईक (F.Y.B.A.)

Conservation C.C.C. Conservation

आवं गजरा घ्या गजरा, ओ ताई... ओ दादा... गजरा घ्या गजरा... ईस रुपयला दोन गजरे. या ताई, कित्ती गजरे देऊ फकस्त दोनच देऊ, बरं घ्या. हे काय ताई, पंधराच रुपये दिलेत व्हय. काय म्हणालात बराबर हायेत, मला धंदा समजत नाही म्हणताय ? आवं ताई, इतके दिस धंदा करते म्या, मला समजनार न्हाई व्हय.

आँ काय म्हनालात, ज्या वयात म्या शिकाया हवं त्या वयात गजरे का इकते ? आवं ताई काय करायचं मग आम्ही तरी. पोटापाण्यासाठी काहीतरी करायाच लागतं. आई-वडील आहेत ना काम करायला ? आवं तेच तर न्हाईत म्हणूनच तर हे काम करती म्या. म्या एकटी हाय का ईचारता ? नाही मला एक धाकला भाऊ हाय, संदीप. म्या शिकले न्हाई पर त्याला लई लई मोठा करीन बघा. डाक्टर व्हायचंय नव्हं त्याला. काय म्हणालात, हे समदं असं कसं झालं ? हं आता काय सांगायचं तुम्हाला आमच्यासारख्या गरीबाची कहाणी. म्या पाच वर्षांची व्हते तेवा माझा बा गेला. काय ते बरं छातीचा रोग हार्टटॅक का काय ते. अन् नंतर काही दिवासांनी आय बी गेली. म्हणजे देवाकडं न्हाई हं, बा गेला म्हणून नंतर ती आम्हां दोघांना सोडून गेली दुसऱ्या गावाला. काय म्हनतांय, अशी कोनाची आई आपल्या पोरासनी सोडून जाईल का ? आवं काहीही, झालं तरी आम्ही सावत्र मुलं नाही का ? पर आम्ही तिला कधी बी तरास दिला न्हाई पर म्हनतात ना, नशिबाचे भोग भागावेच लागतात. मग आता काय करनार म्हणताय ? आता काय नशीब नेईल तिकडं जायचं. तसंही आमच्यासारखं गरीबाला कोन इचारनार, जगलो काय नि मेलो काय, एकून एकच. असं म्हनू नको म्हनताय ?

आवं ताई मग म्या करू तरी काय ? पण आता म्या ठरीवलय, एक छोटंसं फुलाचं दुकान काढीन म्हनते. जर जमलं तर तुम्ही बी नक्की मदत करा. कराल ना ताई आणि या राज्याच्या मंत्र्यांना माझं एकच मागनं हाय की, गरीबी ह्यो मानसाचा लई मोठा शत्रू हाय. अन् त्यांनी आमासनी थोडी जरी मदत केली तर आमच्यावर लई उपकार व्हतील. अवं ताई म्या तुमच्याशी बोलत काय बसले. मला ह्ये समदे गजरे इकल्याबिगर घरला बी जाता याचं न्हाय. चला आता म्या निघते. पर जाता जाता इतकंच सांगते, आमच्याकडं बी लक्ष द्या जरा. चला येते आता म्या.

ओ दादा... ओ ताई... गजरे घ्या गजरे....

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माझी मैत्रीण

सचिन गायकवाड (S.Y.B.A.)

तसं पाहिलं तर मी सगळ्यांवरच प्रेम करतो. पण माझं पहिलं प्रेम होतं. तिच्यावर मी तिच्यावर खूप प्रेम करतो. माझे ते प्रेम कितीतरी वेळा पकडले गेले असले तरी मी आजही तिच्यावर प्रेम करतो. माझ्या आयुष्यात तिची जागा कृणीच घेऊ शकत नाही.

नववी-दहावीला असताना माझ्या आई-वडलांनी तिच्यामूळे मला खूप वेळा खडवासले होतं परंतु अकरावीला आल्यावर मी तिचे प्रमाण कमी करण्याचे ठरवले आणि माझ्यात तसा बदलही झाला होता. माझ्यासाठी तिचे महत्त्व कमी झाले होते, पण एक दिवस... दुपारची वेळ होती माझी ताई शेजारच्या काकूंबरोबर बाहेर गेली होती. बाबा पुण्याला गेले होते आणि रविवार असल्याने आई बाजार आणायला गेली होती. पावसाळ्याचे दिवस होते. आमच्या परीक्षा चालू असल्यामुळे मी घरात अभ्यास करत बसलो होतो. संपूर्ण वातावरण शांत होते. पावसाचा रिप-रिप आवाज परिसरातील

शांततेचा भंग करत होता. अशा वातावरणात मी एकटाच घरात अभ्यास करत होतो आणि तेवढ्यात ती आली. मी तिला दूर करण्याचा प्रयत्न केला; परंतु ती अधिकच तीव्र होऊन माझ्याजवळ येऊ लागली मग मात्र मी स्वत:ला सावरू शकलो नाही आणि मी देखील तिच्यात सामील झालो.

आणि थोड्या वेळाने माझी ताई आली आणि तिने मला रंगेहात पकडले. अभ्यासाचे पुस्तक बाजुलाच पडले होते आणि बेड विस्कटलेले होते.

त्या दिवशी मला सर्वांनीच खूप खडसावले तेव्हापासून मी तिचे प्रमाण बऱ्यापैकी कमी केले आहे. मी माझा अभ्यास आणि इतर कामे उरकून उरलेला वेळ तिच्यासाठी देतो.

अरे ! पण तिचे नाव सांगायचेच राहिले ऐका तिचे नाव आहे ''झोप''.

RAR

and the set shall be shall be

म्हणूनच प्रेम केलं नाही...

म्हणूनच प्रेम केलं नाही..

तिचा नकार देणं आपल्याला आवडणार नाही 'नाही' हा सब्द सेकायला आपल्याला जमणारच नाही म्हणूनच प्रेम केलं नाही...

होकार दिला तरी भित्राच्या बाईकवर फिरवायला घेऊन जाणं

आणि प्रमाणाबाहेर पैसा खर्च करणं ही आपली सेपत नाही

म्हणूनच प्रेम केलं नाही...

तिच्यावर पैसे उधळणं, तिच्या मनासारखं वागणं हे आपल्याला जमणारच नाही म्हणूनच प्रेम केलं नाही...

रात्री-अपरात्री कॉल करणं, तासन्-तास तिच्यासोबत चोलत राहाणं हे काही मनाला पटण्यासारखं नाही म्हणूनच प्रेम केलं नाही...

दर आठवड्याला पिक्चरला नेणं, पिक्चर संपल्यानंतर आईस्क्रिम मागणं आणि ते आईस्क्रिम अर्धवट खाता, तसंच फेकून देणं, असले फाजील लांड तर मुळीच खपवून घेणार नाही. म्हणूनच प्रेम केलं नाही...

अभ्यासाला चसलो तर, मन लागणार नाही मन लागलं तर लक्षात राहाणार नाही आणि तिच्यामूळे आपला विषय back ठेवायचाच नाही. म्हणूनच प्रेम केलं नाही...

आईवडलांचे उपकार विसरून चालणार नाही तिच्यासाठी आपले ध्येय बाजूला ठेवणं जमणार नाही म्हणूनच प्रेम केलं नाही...

- रोशन आंबेकर (S.Y.B.Sc.-B)

तो बसस्टॉप

(अदिती जगदाळ (F.Y.B.A.)

ऊन जरा जास्तच होतं. माथा उन्हामुळे गरम झाला होता. घामाच्या असंख्य धारांनी चेहरा न्हाऊन गेला होता. गर्दी काही हालायची चिन्हं दाखवत नव्हती. त्यात माझी बससुद्धा काही वेळेवर येत नव्हती. मुलं, मुली शाळेतून व कॉलेजवरून घरी जाण्याच्या मार्गावर होती. काही बायका व मोजकी माणसं त्यांच्या त्यांच्या भरगच्च पिशव्या कधी खांद्यावर... तर कधी पायाशी ठेवून मनपा व स्टेशन यांच्यापैकी कोणत्यातरी बसची ते वाट बघत होते. माझेही वर्ग आटोपून घरी जाण्यासाठी मी सज्ज झाले होते. पण बस ! बस येत नव्हती. शरीरात गर्मी व चिडचीड याशिवाय कोणीही बोलत नव्हतं. उन्हाळा पीडत होता.

हडपसरचा 'ह' बघण्यासाठी मी प्रत्येक पाटी ती दूर असतानाचा आशेने न्याहाळत होते. पण तो 'ह' बघणच नशिबात नव्हतं. आजूबाजूची गर्दी आता हलू लागली होती. प्रत्येकजण ज्याच्या त्याच्या दिशेने योग्य बस पकडून जात होता. मी तिथे येऊन आता अर्धातास झाला होता. उन्हापासून बचाव करण्यासाठी बसस्टॉपच्या छपराखाली जाऊन मी उभी राहिले. काही मिनिटांतच ग्वारा वाहू लागला. हवेत आता दमटपणा जाणवू लागला. वाऱ्याचा जोर वाढत गेला. आपल्याबरोबर काळे-निळे मेघ घेऊन येऊ लागला !

वातावरणात हा अचानक झालेलला बदल बघून मजा वाटली. दाटून आलेल्या आभाळामुळे ऊन-सावलीचा लपंडाव सुरू झाला. हवेतली उष्णता कमी होत गेली. बसेस येत होत्या, जात होत्या. माझी बस त्यात कुठेच नव्हती. गर्दी कमी होत गेली आता बसायला जागा झाली ! मी बसले. त्या दाटून आलेल्या आभाळाकडे एकटक पाहात राहिले. मार्चमध्ये निसर्गाकडून ही अपेक्षा कधीच कोणीही केली नसेल असो ! काही मिनिटांपूर्वी झोंबणारा उन्हाळा कुठच्याकुठे पळून गेला होता ! जे होत होतं, सुंदर वाटत होतं. अधूनमधून वारा गुदगुल्या करत होता. शरीराचा शीण हलका करत होता. मनात विचार घोळू लागले, ''पाऊस पडणार की काय ?'' असे वाटू लागले. तिथे आता मोजकीच दोन-चार लोकं होती. ''पाऊस पडला तर काय करू ?!!' असे भाव प्रत्येकाच्या मुखमंडलावर स्पष्ट दिसत होते ! त्यांची ती अवस्था पाहून खुदकन हसू आले आणि क्षणातच माझीही तीच अवस्था झाली ! कारण मी छत्री आणलीच नव्हती ! पण निश्चिंत झाले. का कोणास ठाऊक, बसस्टॉपवर आज पहिल्यांदाच काहीतरी अनोखे घडत होते.

वारा एकसारखा वाहत होता. येता येता झाडांनाही हेलकावे -देत होता. पक्ष्यांच्या चिवचिवटाने, मातीच्या सुगंधाने, जांभळ्या-निळ्या प्रकाशाने सारे वातावरण भरून गेले. वाहतूक मंदावली. अचानक माझ्या गालावर काहीतरी शिंपडल्यासारखे झाले... हात लावून पाहिला तर... पाणी असल्याचे जाणवले ! पाऊस सुरू झाला. जमिनीवर टपोरे थेंब नाचू लागले. रप-रप-रप.... एकसारखा नाद घुमू लागला. मातीचा खमंग सुगंध वातावरणात भरू लागला. निसर्गाने, पावसाने, वाऱ्याने.... प्रत्येकाने एक विशिष्ट ताल धरला होता. जणू सर्वजण गात होते. ''मग मी का मागे राहू !'' असा विचार करून मी सुद्धा गाऊ लागले ! बॅग तिथेच ठेवून, काळ-वेळ-वय विसरून, त्या पावसात गिरक्या घेऊ लागले. तिथे आता कोणीच नव्हते. फक्त मी आणि तो पाऊस ! मी डोळे मिटले....

- ''दिवाना हुआ बादल, सावन की घटा छाई, ये देखके दिल झूमा, ली प्यार ने अंगडाई...
- दिवाना हुआ बादल !!"

पुन्हा डोळे उघडले, तेव्हा पाऊस वाढला. शरीर आणखी भिजत होते. पायाभोवती तळे साचत होते... मी उड्या मारल्या, गिरक्या घेत आकाशाकडे पाहिलं. ते टपोरे थेंब माझ्या चेहऱ्याबरोबर माझं मनही धुऊन काढत होते. बसचा नादही जणू आता वाहून गेला होता. इतर वेळी प्रॅक्टिकल लवकर आटोपूनही जेव्हा बस मिळायची नाही, तेव्हा नुसता त्रागा-त्रागा व्हायचा. आता हेच विचार घोळका न घालता गुदगुल्या करत होते. माझ्यातही किती परिवर्तन झालं होतं. ओठांवर हास्याशिवाय काहीच नव्हतं.

थेंबांची धार कपाळावरून ओघळत, हळूच पापण्यांनाही आपल्या कवेत घेत होती. मग तिथून खाली. ... हनुवटीवरून अलगद झेप घेऊन थेट पावलांवरच नाहीशी होत ! गार वाऱ्याबरोबर हुडहुडी भरत होती. वाऱ्याचा जोर, पुन्हा एकदा, वाढला.

''नभ उतरू आलं, चिंब थरथर वल्लं...

अंग झिम्माडं झालं, हिख्या बहरा...''

पाऊस कमी होत गेला. आता वाहतूकीने बऱ्यापैकी वेग घेतला. पावसाचा तो नाद अचानक कमी झाल्याने चुकल्याचुकल्यासारखं वाटू लागलं. वाऱ्याबरोबर मेघ पुढे पुढे सरकू लागले. इतका

वेळची ती 'सावली' हालू लागली. ढगामागून एक-एक करून सोनेरी किरणं लुकलूकू लागली. बघताच त्यांनी त्या मेघांना, त्या वातावरणाला कवेत घेतले आणि त्यांचा रंग बदलून गेला ! जांभळ्या रंगाचं रूपांतर केशरी रंगामध्ये झालं ! एकाएकी त्या किरणांचा मानकरी दिसू लागला. इतका वेळ ढगाआड दडून बसलेल्या सूर्याने आता दर्शन दिले. मी तिथे स्तब्ध उभी होते. सुखी आणि शांत ! खरंच, निसर्गाचा आनंद घेण्यासाठी जंगलातच जावे असे काही नाही, अशा छोट्या- छोट्या प्रसंगांमधून निसर्गाचा आनंद लुटणं आपण शिकलं पाहिजे आपल्यात जे 'लहान मूल' असतं, त्याला बागडू दिलं पाहिजे !

अभ्यास-अभ्यास अभ्यास अभ्यास करून आता डोकं फिरतंय फार पण कामधंदा करायला याचाच आधार रक रे रकाचा रक अधिक चार बेरीज, वजाबाक्यांचा डोक्यावर भार नाही जमत सोडून जावं याचाच विचार असं म्हटल्यावर आईचा बसेल मार विज्ञानाच्या संकल्पना हत्तीचा आकार डोकल्यांवरून उडत जाई पाखरांसमान इतिहासाच्या नावाने झोप येई फार पानिपतच्या लढाईने झालो समजदार सनावळ्या लक्षात ठेवता बसला डोक्यालाही मार नाही जमत सोडून द्यावं याचाच विचार असं म्हटल्यावर बाबा मारतील फार कपडे नाही, खेळणं नाही पुरे झाले लाड याला फक्त पुस्तक हवे अन् त्याचाच आधार हुशार नाही वेडा आहे या पदव्यांचा भार नको बाबा या पदव्या अभ्यास करीन छान मुलाच्या तोंडातून याचाच उच्चार जेणेकरून आई व बार्बाना भेटेल सन्मान सक दिवस मीही गाठीन उंचीचे ते स्थान पण अभ्यास अभ्यास करून आता... - पल्लवी अनिल साकोरे (११वी विज्ञान) आता माणसं, गाड्या, बसेस पुन्हा दिसू लागले. तेवढ्यात मी उजवीकडून येणाऱ्या बसकडे नजर टाकली... तो 'ह' दिसला ! आली हडपसर. मी पळत जाऊन बॅग उचलली अन् बसला थांबण्यासाठी इशारा केला. 'ती थांबली. गदीं नव्हती. एक पाऊल चढले आणि तिथूनच मागे नजर टाकली. ... बस हलली... आणि त्या मागे जाणाऱ्या बसस्टॉपकडे मी एकटक पाहात राहिले.

... तो उन्हाळा... त्यातला तो पाऊस...ती वेळ... आणि तो बसस्टॉप !''

RRR

हास्यात आयुष्य जगावे	
आयुष्य हे फार थोडे आहे	
छोट्या लहान गोष्टींत हास्य शोधत जावे	
जीवनाच्या छोट्या आनंदाच्या क्षणांत	
स्वतःला हरुवून द्यावे	
कोणी दुखावले तुम्हापासून	
त्याला हसवून तुम्हीही हसो	
हास्याचे हे मधुर जल	
सतत पीत रहावे	
भविष्य कुणी पाहिले	
त्याची चिंता का करावी	
आज जे आहे त्यात सुख शोधून	
सगळी भूमी आनंदी करावी	
जे क्षण परत येणार नाहीत	
त्यांच्या स्मृतींत आनंदी रहावे	
आठवणींच्या त्या चार क्षणांत	
खूप मोठे हास्य शोधावे	
सुखाची वाट कशाला पाहावी	
दुसऱ्याच्या आनंदात सुख शोधावे	
त्याच्या चेहऱ्यावरील हास्यासाठी	
स्वतःला झोकून द्यावे.	
खरंच छोटेसे हे जीवन	
सूक्ष्म, लहान गोष्टींत हास्य शोधावे	
प्रत्येकाच्या ओठांवरील	
प्रेमाचे हास्य खुलवत जावे.	
- चोरघे शेखर दिलीप (प्रथमवर्ष कला)	

Modern 2014 - 15 + 118

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निखिल घाणेकर (M.A. II English)

Manuel Contraction Contraction माझी आजी गेली, काल कधीतरी मला आजच कळलं. ९४

वय आजीचं, तशी नात्यात लागत नाही ती माझ्या.... लागतेही... म्हटलं तर... आजी स्वतः लिहायची....गोष्टीही सांगायची. आजीला मी-एक दोनदाच बघितलं. फोटोतच.

......

आम्ही मुंबईत होतो... माझे आजी-आजोबा कणकवलीला होते... ते वाढदिवसाला येत... पण खुप वेळा मिठीत शिरायला आजी नसायची. खोकला लागला की खडीसाखर द्यायला आजी नसायची...

मी आणि आदित्य डिरेक्टरीतले नंबर फिरवायचो... दोन-तीन रिंग झाल्या की कट करायचो.

एकदा असाच खेळता खेळता पहिल्या रिंगला फोन उचलला. तिकडनं एक कापरा आवाज... कोण आहे ?

मी एकदम घाबरलो... आमचं खिदळणं बंद झालं. मी निखिल...

आवाज एकदम माझ्या आजीसारखा...

बोल नंदू... काय रे ! आई-बाबा नाहीयेत का घरात ? हो...

तू... तुम्हाला कसं माहिती ?

प्रसाद-विद्या नसले की तुला माझी आठवण होते. मला माहित्येय... मी नंबर चेक केला...

मुंबईचाच होता...

मी एकदम फोन ठेवला...

पुढे दोन-तीन आठवडे मला खूप भीती वाटत होती. फोन वाजला की ठोके एकदम वाढायचे.

पुन्हा एकदा घरात कुणी नसताना मी फोन केला

पुन्हा तो कापरा आवाज...

बोल नंदू ! पुन्हा तेच सगळं भीती, घाम, उत्सुकता, आनंद... एकटा आहेस ?

कंटाळा आलाय ?

हो...

हो

गोष्ट सांगू ?

सांग ना... माझी कणकवलीची आजी गोष्टीच सांगत नाही... सारखा जप करत असते.... तिच्या रामाचा,

पण बाकी चांगली आहे. वाढदिवसाला पैसे देते...

बरं... बरं, एक गोष्ट... आजी गोष्ट सांगायला लागली... राजा-राणी-जादूगारवाली नव्हे... एका मुलाची... त्याच्या आवडत्या सायकलची...

मला खूप आवडली गोष्ट...

आजी खूप छान गोष्ट सांगायची, राजा-राणीवाल्या नाही सांगितल्या तिने कधीच, ती सांगायची गोष्टी हाडामासाच्या माणसांच्या...

मी एकदा तिला म्हणालो, तू आजी उपदेश करत नाहीस... तू रागवत नाहीस, तू मला आवडतेस... मी भेटतो तूला आपण होऊन... तू सांग मला तू कुठं राहातेस... मी पण हल्ली कविता लिहायला लागलो... मी वाचून दाखवू का तुला ?

मी कविता वाचून दाखवली...

हसली आणि म्हणाली, I don't like the messages in literature ! मी हसलो, आजी इंग्लिश बोलली म्हणून... आजी इंग्लिश बोलते का कधी ?

मग खूप काही काही झालं... आम्ही कणकवलीला आलो... खडीसाखरवाल्या आजीकडे...

दहावीचा निकाल कळवायला मी आजीला फोन केला बोल रे नंदु ? किती मिळाले मार्क ?

198%

सायन्स का ?

आर्टस् , मी गोष्टी लिहिणारे आजी... माणसांच्या !

तुझा फोटो पाठव ना !

बरं सांगते... लिहितोयस का नाही ?

हो ना... दोन दिवाळी अंकांतून छापून आलंय ?

दिवाळी अंकांसाठी लिहितेस का लिहितोस, स्वत:साठीही ? मी हसलो पुन्हा एकदा... आजी असंच बोलते अगम्य...

तरी बरंय रामाच्या योजनेपेक्षा

निनादचा (तिचा नातू) मेल आला. मी आजी ला बघितलं साधी, सरळ, सोपी बाई, चष्मा, गाऊन सारखं काहीतरी, एक स्मितहास्य,

मी दोन दिवसांनी आजीला फोन केला...

तू गाऊन घालतेस आजी ?

आजी एकदम डाफरली

आज्यांनी घालू नयेत का गाऊन ?

मी हसलो... नेहमीसारखा... न कळून...

मग मी रत्नागिरीला आलो, मोबाईल आला. मग मी आजीशी बोलायला लागलो, आमचा संवाद बहरत गेला... मी वयात येत होतो... आहे. आजीच्या गोष्टीतली पात्रं जाणीव करत होती... आजी बोलायची अगम्य... मी हसायचो न कळून...

परवा बोलली माझ्याशी... तोच उल्हास, तोच जोश, तीच अगम्यता धुक्यासारखी... मी हसण्यावारी उडवून नेलेली... मला म्हणाली चांगला माणूस हो... माणसांच्या गोष्टी लिही... मनासारखं लिही... माणसांसाठी लिही...

मी हसलो पुन्हा एकदा न कळून...

आणि आज एकदम निनादचा मेसेज Aaji is no more !

मी फोन करतोय आजीला, आज पुन्हा एकटं वाटतंय, मी फोन करतोय आजीला... ती गोड आवाजात बाई सांगते... नंबर अस्तित्वात नाही... मी वाट बघतोय आजीच्या गोष्टीची... आजीची गोष्ट खास असते, माणसांची असते ना ती...

पण तिकडून कुणीच बोलत नाही... संध्याकाळ झालीय... रात्र होईल... दिसतोय आजीचा चेहरा... आठवताहेत आजीची वाक्यं...

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्र वास्तव पक्षनिष्ठा आता फक्त सांगण्याकरिता राहिली, ज्याच्या वाट्याला सुकाळ येतो त्याच्या चरणी जातात फूले वाहिली १ १ ज्याच्याशी आपलं जुळतं त्याच्या नावाचे नारे रोज लगावले जातात, समोरचा आपला तर शत्रू आहे विरोधात त्याच्या मग कटकारस्थाने होतात । । २। सभा झाल्या, मिरवणुकी झाल्या प्रचारही झाला कामाचा, लोकांना पुन्हा मग आश्वासनांचे डोस अन् वस्तूंची खैरात नाराजीचा ताप शांत केला जातो त्यांचा । 1 2 | 1 आपण कदाचित नसेल पुढे तर याची जेव्हा लागते त्यांना चाहूल, वाटाघाटी होतात अन् तडजोडीतही टाकलं जात पुढे सक पाऊल ।।४।। सका रात्रीमध्ये बदलतात सारी सूत्रं जी जन्म देतात नव्या पर्वाला, दुसऱ्या दिवशी समोर उथं असतं सक वेगळं चित्र जे थक्क कर्छन टाकणारं असतं सगळ्यांना ।।५।। ओंजळीत पडलं काही त्यांच्या तर सारं अलबेल आहे, आली हार वाट्याला तर आम्ही निराळ्यांची वाट पाहे । । ६ । । अपयश आतं पक्षाच्या वाट्याला तर ह्यांची फार घुसमट होते, सारं बाजूला सारत, जेत्या पक्षाशी हे मिळतात. मग ह्यांचे तेथे स्वागतच केले जाते ।।७।। निष्ठा, कर्तव्य, सारी खुंटीला यांनी टांगली चेईमान, अष्ट्यांसमोर हात मग टेकले, मावळ्यांची पाठ सोडून दुसरी वाट धरलेली चांगली पक्ष बदलत-बदलत सारे पक्षी बनून राहिले ।।८।। निष्ठेखातर जीव देणाऱ्यांचे ते दिवस वेगळे होते, स्वार्थासाठी अन् सत्तेसाठी काहीही असे म्हणत, आज कुंपण शेत खाते ।।९।। - नेहा शंकर बवले (XIII)

आकाशवाणी आणि दूरदर्शन

सिद्धार्थ नितीन नाईक (तृतीय वर्ष कला) Seccesses Second

CONCOMMENTS

विषयाची सुरुवात करत असताना भारतातील माहिती क्रांतीचे जनक 'सॅम पित्रोदा' यांची भारतीय लोकप्रसारण माध्यमांबाबतची एक प्रसिद्ध ओळ आठवली, ती म्हणजे;

"The Nation Talking to itself"

वरील वाक्याचा मतितार्थ लक्षात घेता गेली ५५ ते ६० वर्षात सार्वजनिक रेडिओ आणि टि.व्ही. प्रसारणाने याला खऱ्या अर्थाने न्याय दिलेला दिसतो. परंतु जसा जागतिकीकरणाचा रेटा सुरू झाला, तसा सार्वजनिक लोकप्रसारण माध्यमाच्या सार्वभौम सत्तेला तडा गेला (१९९२ नंतर) कारण आता व्यावसायिकतेच्या युगाने पूर्वीच्या युगावर (समाजवादी) ताबा मिळविला व परिणामी व्यावसायिक विरुद्ध सार्वजनिक अशी स्पर्धा सुरू झाली. त्यामुळे या व्यावसायिक युगातील नवमाध्यमांच्या स्पर्धेत लोकप्रसारणाला तग धरायचा असेल तर माझ्या मते आधुनिक व्यवस्थापन शास्त्रानुसार SWOT विश्लेषण करणे आवश्यक आहे. ते कसे, ते पूढील प्रमाणे पाहता येईल.

Strength (क्षमता) : आकाशवाणी किंवा दूरदर्शन यांचा इतिहास व वर्तमान पाहता त्यात नेहमीच अनन्यसाधारण अशा क्षमता जाणवत आल्या आहेत. याबाबतीत आसामच्या एका खेंडचातील गोष्टीचं उदाहरण म्हणून घेता येईल. आसाममधील एका खेड्यात राहणाऱ्या अनाथ शाळकरी मुलीला एकेदिवशी विचारण्यात आले की, तुला एकटेपणाची भीती नाही वाटत का ? तेव्हा त्या अनाथ मुलीने दिलेले उत्तर फार समर्पक आहे. ती उत्तर देते, ''मला भीती वाटण्याचं काहीच कारण नाही', कारण माझ्यासोबत आकाशवाणीवरील "अमिन सयानी'' यांचा आवाज आहे. यावरून आपल्याला सार्वजनिक प्रसारण माध्यमाच्या क्षमता लक्षात येतील. एक सांस्कृतिक शिस्तीचं मुर्तीमंत उदाहरण म्हणून आजही लोक आवर्जून दूरदर्शन-आकाशवाणीचं नाव घेतात. भारतीय संस्कृतीचे संवर्धन हा आपला परमधर्म मानून आणि आपली वस्तुनिष्ठता, स्वातंत्र्य, सचोटीपणा जपत आपली वाटचाल अविरत चालू ठेवली आहे. परंतु या व्यावसायिक युगात जर सार्वजनिक प्रसारणाला आपली शाश्वतता सिद्ध करायची असल्यास त्याने वेळीच आपले "Weaknesses" (कमतरता) व Threats (अडथळे) ओळखणे आवश्यक आहे. "Weaknesses and Threats" (कमतरता व अडथळे): व्यावसायिक प्रसारमाध्यमांच्या तुलनेत सार्वजनिक प्रसारमाध्यमे नेहमीच आशयसंपन्नता, सर्जशीलता आणि तांत्रिक सफाई यात कमी पडत आला आहे. ''भारत एक खोज पासून आणि आकाशवाणिनेही अगदी ''जयमाला'' पासून आत्ताच्या ''मन की बात'' पर्यतं जरी आशयसंपन्नता जपली असली तरी 'सर्जनशिलता' व तांत्रिक सफाई या गोष्टी अडथळा म्हणून समोर येत आहेत. त्याचबरोबर काम करणारा कर्मचारी वर्ग, त्यांची भरती प्रक्रिया, तंत्रज्ञान, विशेष पायाभूत सुविधा यातही महत्त्वपूर्ण बदल अपेक्षित आहेत.

पुढे सार्वजनिक प्रसारणासमोरचे Opportunities (संधि) आणि challenges (आव्हाने) पाहता; जो "आव्हानांचे संधित रूपांतर करतो तोच यशस्वी होतो.'' ही मार्टिन ल्युथर किंगची ओळ समर्पक ठरते.''

"Opportunities and Challenges" (संधि आणि आव्हाने) : मनोरंजनपर कार्यक्रम असो किंवा बातमी असो TRP च्या घोंगड्याखाली या गोष्टींची संवेदनशीलता लुप्त होत चालली आहे. या पार्श्वभूमीवर सार्वजनिक प्रसारणाला अधिक विश्वासार्हता वाढवत संवेदनशीलता जपण्याचे एक मोठे आव्हान आहे. २१व्या शतकात मोठ्याप्रमाणावर सांस्कृतिक, आर्थिक, सामाजिक अभिसरण झाल्याने प्रेक्षकवर्गाची अभिरूची बदलली आहे. तेव्हा या अभिरूचीला सार्वजनिक प्रसारणाला ''लघुत्तम सामाईक विभाजक' काढणे आवश्यक आहे. मग त्यासाठी feedback mechanism असेल, marketing असेल. Prime-time (प्राधान्यवेळ) असेल किंवा Community Radio असेल यात गांभीर्याने लक्ष देणे आवश्यक आहे. सध्या एक तासाचा कार्यक्रम एक मिनिट सारांशरूपाने इंटरनेटवर उपलब्ध असतो. त्यामुळे हे आव्हानही पेलणे आवश्यक आहे. याबाबतीत महत्त्वपूर्ण बदल झाल्यास नक्कीच दूरदर्शन असेल किंवा आकाशवाणी असेल, हे BBC, CNN-International, AL-Jagira सारखे आंतरराष्ट्रीय व्यासपीठावर झळकतील.

निष्कर्षांप्रत येताना मला मनापासून वाटते की लोकप्रसारण माध्यम (टि.व्ही. रेडिओ) हे क्षेपणास्त्रसारखे आहेत. त्यातून नक्कीच काहीतरी भव्य-दिव्य घडू शकते. केवळ त्यासाठी 'संशोधनरूपी इंधन', नियोजन आणि योग्य दिशादिग्दर्शन आवश्यक आहे. याची योग्य अंमलबजावणी झाल्यास या व्यावसायिक माध्यमयुगातहि ''सार्वजनिक प्रसारण एक भक्कम माध्यम'' म्हणून समोर येईल अशी खात्री वाटते. निबंधाचा समारोप करत असताना सुरेश भटांची एक कविता -

''दिले प्रत्येक वस्तीला निळे आकाश आम्ही जेथे जातो तेथे उशा हाकेच्या वाटतो आम्ही जरी कळेना या वर्तमानाला आमुची भाषा विजा घेऊन येणाऱ्या वाटेशी बोल असतो आम्ही'' गेली कित्येक वर्ष भारतीय लोकप्रसारण माध्यमांकडे पाहन

वरील पंक्ती जिवंत झाल्यासारखेच वाटत आहे ! RAR

नवलेखक कार्यशाळा

मॉडर्न नियतकालिक समिती, कलामंडळ व साहित्य संघटना यांच्या संयुक्त विद्यमाने 'नवलेखक कार्यशाळा' घेण्यात आली. कार्यशाळा संचालक मा. विनोद शिरसाट, संपादक, 'साधना' साप्ताहिक यांनी मार्गदर्शन केले. अचानक दिलेल्या विषयावर, मर्यादित वेळेत 'लिखाण' करण्याचा प्रयोग त्यांनी विद्यार्थ्यांना करायला लावला. त्यातील काही निवडक स्फुट लेख...

मला आवडलेली व्यक्ती

जान्हवी राखे (S.Y.B.A.)

मेळघाट तसा जंगलाचा, आदिवासींचा, मागासलेला भाग. आजच्या परिस्थितीत कुणा जावं ? का जावं ? आणि मुळात जायचं असेलही तरी या शहरी समाजाला काय उत्तरं द्यावी ? पण यापैकी कुठल्याच प्रश्नात न गुंतता, स्वतः डॉक्टर होऊन कुठल्याच अमिषाला बळी न पडता दिवसातले १८ तास पुर्णपणे समाजासाठी कार्य करणाऱ्या डॉ. सातवांना सलाम.



मेळघाटात अनेक जणांनी बरीच कामं केली. अख्ख आयुष्य आदिवासींच्या कल्याणासाठी घालवणारे डॉ. कोल्हे व स्मिता कोल्हे, डॉ. अविनाश सावजी अशा समाजसेवकांच्या पंक्तीतले नव्या उमेदीचे तरुण म्हणजे डॉ. सातव. महान व अशाच अनेक योजना आपल्या हॉस्पिटलद्वारे राबवून त्यांनी मेळघाटातील अनेक गावं कुपोषणमुक्त केली. लक्ष्मी हे त्यातलंच एक उदाहरण. लक्ष्मी नावाची गावातली २ वर्षांची मुलगी कुपोषणाचा बळी ठरली. घरच्या लोकांनी तिच्या जगण्याची आशा सोडली. पण डॉ. सातवांनी WHO द्वारे सांगितल्या गेलेल्या आहाराचे प्रमाण भारतीय पदार्थांमध्ये प्रमाणित केले आणि त्यांच्या या उपक्रमाने खरंच जादू केली.

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गावातल्या लोकांचा आता दवाखाना, गोळ्या या गोष्टींवरचा विश्वास त्यांनी मिळवला.

- संपादक

आम्ही भेटायला गेलो तेव्हा नुकतेच कामावरून थकून आले डॉक्टर रात्री १० वाजता जेवण करायला बसले आणि तितक्याच एका माणसाला साप चावल्याचा संदेश कानी येताच तडक घास खाली ठेऊन ते उपचाराला निषाले. गोर-गरिबांना प्लास्टिक सर्जरीपासून र्व सुविधा माफक दरात उपलब्ध करून देणाऱ्या डॉ. व त्यांच्या पत्नी यांना जेव्हा आम्ही त्यांना केलेल्या विरोधाचा आणि या लोकांसाठी सारखं राबण्याचा कंटाळा नाही का हो येत असं विचारलं तेव्हा उत्तर होतं, ''हे सगळं आम्ही दुसऱ्या कुणासाठी आमच्यासाठी करतो.'' ''वसुधैव कुटुंबकम्'' चे नारे देणाऱ्या आणि ग्लासभर पाणी न पाजणाऱ्या शहरी लोकांच्या तोंडावर हे उत्तर आणि मेळघाटातील लोकांचे माण्सकी ही एक चपराक होती.

मी पाहिलेली घटना

ईश्वर तांबे (S.Y.B.A.)

२० ऑगस्टची सकाळ होती, नेहमीप्रमाणे कॉलेजला जाण्याची घाई चालू होतो, त्या दिवशी रूम वरील पाणी थोडे उशिरा आल्याने मला कॉलेजला जाण्याला उशिर झाला. तरी घाई गडबडीत आवरासावर करून कॉलेजला जायला निघालो, माझे कॉलेज मॉडर्न कॉलेज व मी नारायण पेठेत राहत असल्यामुळे मी शॉर्ट रस्त्याने कॉलेज व मी नारायण पेठेत राहत असल्यामुळे मी शॉर्ट रस्त्याने कॉलेजला जात. त्या दिवशी मी ओंमकारेश्वर पुलावरून चाललो होतो, तेव्हा पुलावर खूप गर्दी जमली होती, आणि पोलिसांचा घेराव होता तसेच अग्निशामक दलाची गाडी तेथे होती, मनात आले एखादी गाडीने पेट घेतला असावा, पण न राहून पुढे झालो आणि त्या घोळक्यात जाऊन बघितले, तर तिथे रक्त सांडलेले होतं, थोडसं घाबरलो, पण न राहून एका पोलिस शिपायाला विचारले, ''साहेब काय झाले ?'' तेव्हा त्यांनी सांगितले ''अंघश्रद्धा निर्मुलन समितीच्या दाभोळकरांचा येथे खुन झालाय. हे शब्द ऐकताच डोळे पाणावले.



कारण फक्त दोन दिवस अगोदर मी डॉक्टरांना सुहास पळशीकरांच्या ''राजकारणाचा ताळेबंद'' या पुस्तकाच्या प्रकाशन सोहळ्यात भेटलो होतो, त्यांच्या हातात हात घेतला होता, आणि तोच क्षण माझ्या डोळ्यासमोर येत होता.

तसाच मी कॉलेजला न जाता रुमवर गेलो. राष्ट्रसेवादलाच्या मित्राला फोन लावला, तो रडत होता, त्यानंतर मी अंधश्रद्धा निर्मुलन समितीच्या सभेला तसेच आंदोलनात जाऊ लागलो. त्या एका घटनेने माझ्या मनात अंधश्रद्धेविषयी चीड निर्माण केली. पण म्हणतात माणूस मरतो पण विचार मरत नाही त्याप्रमाणे तेच विचार घेऊन अंधश्रद्धा निर्मुलनाचे व्रत हाती घेतले व माझ्या परीने मी कार्य करायला लागलो, ही घटना मी माझ्या आतापर्यंतच्या आयुष्यात खूप बदल घडवून गेली.

मला आवडलेली व्यक्ती

काटकर तुकाराम रामहारी (S.Y.B.A.)

मला सर्वप्रथम लेखनाला सुरुवात करताना मला जो व्यक्ती आवडते त्या व्यक्तीचं नाव सांगणे उचित वाटते. त्याचं नाव आहे उपेंद्र देशमुख यांच्याबददल किंवा ते का आवडतात याविषयी लिहायचं म्हटलं तर ते सामाजिक कार्यकर्ता आहेत आणि खूप श्रीमंतं असूनही तसेच खूप शिकूनही त्यांना कोकणातील आदिवासी लोकांबदद वाटणारी आत्मीयता, प्रेम आणि या सर्वांचा सर्वच गोष्टींमधून तंनी उभारलेली सामाजिक काम करणारी स्वभावाचे मृदु हृदयाचे आणि खूप चांगले विचार असणारे व्यक्तिमत्व आहेत.

कोकण सारख्या आदिवासी भागामध्ये काम करताना, त्यांच्या सहवासात असताना त्यांच्या सोबत काम करण्याचा आनंद हा वेगळाच असतो. ते कशाप्रकारे आदिवासी लोकांना समजून होतात. त्यांचे वेगवेगळे प्रश्न सोडवितात आणि त्यावर आपल्याला काही काम करता येईल या दृष्टिकोनातून काही कृती करणे. कोकणसारख्या आदिवासी भागामध्ये आम्ही जेव्हा असेल तेव्हा त्यांच्याकडून वेगवेगळ्या विषयावर मिळणारे मार्गदर्शन तसेच विविध विषयावरील त्यांचे विचार आणि या संभाषणामधून आमचे जाणून घेतलेले विचार यामुळे आम्हाला खूप आनंद मिळतो. आम्ही ज्या वेळी आलोने या गावी जतो तेव्हा जणू का एखादी लेक सासरहून माहेरला जाताना कशक्ष ओठ असते त्याप्रमाणे त्यांनी बोलावणं धाडलं की मी कोणत्याही वेळी तयार असतो.

या सर्व कारणामुळे ते मला खूप आवडतात.

सिनेमा

कुणाल जगदीश पाटील (T.Y.B.A.)

आजापसून जवळपास दीड महिन्यापूर्वी, १९ डिसेंबर रोजी PK नामक राजकुमार हिरानी दिग्दर्शित चित्रपट प्रदर्शित झाला. यातल मुख्य अभिनेता अमिर खान मिस्टर परफेक्शनिस्ट अशी

ओळख निर्माण केलेली आहे. चित्रपटाच्या बाबतीत म्हणाल तर उत्तम विषय, उत्तम कथा, उत्तम मांडणी पण तरीही चित्रफट वादाच्या भोवऱ्यात सापडला.

वादाचे पहिले कारण म्हणजे चित्रपटाच्या प्रसिद्धी करता अमीरखानेच नग्र चित्र प्रसिद्ध झाले. या नग्र पोस्टरवर अनेकांनी अनेक प्रतिक्रिया दिल्या कि चित्रपटाच्या प्रसिद्धीकरता स्टंट वगैरे...



वगैरे... तसे हे पोस्टर सुद्धा एका पोर्तुगीज रॉक बॅण्डच्या पोस्टरची नक्कल होती. असो... चित्रपटाचा महत्त्वाचा मुद्दा म्हणजे विविध धर्माच्या बाबतीत असलेली अंधश्रद्धा व त्यावर टीका.

चित्रपटाचा नायक परकीय ग्रहवासी पृथ्वीवर येतो. परत जाण्यासाठी त्याच्या रिमोट चोरला जातो. रिमोट मिळवण्यासाठी देवाकडे मदत मिळेल म्हणून असे समजणे अशा आपल्याभोवती चित्रपट फिरतो. पण महत्त्वाचे असे की यावर बज्याच हिंदूत्त्वादांचा आक्षेप आहे व यावरून बराच गोंधळही झाला. पण गोंधळामुळे चित्रपटारला आणखी प्रसिद्धी मिळाली ती गोष्ट वेगळी.

हिंदूत्ववादी लोकांचे आक्षेप असे की चित्रपटातील नायिकेचा प्रियकर पाकिस्तानीच का ? ती नेमकी एका मुस्लीम तरुणाच्याच प्रेमात का पडावी ? चित्रपटात मंदिर व चर्चमध्ये नायकाचा प्रवेश दाखवला मग मशिदीत दारुच्या बाटल्यासहित का नाही दाखवला ? चित्रपटात एका धर्माविषयी का जास्त दाखवले गेले व अप्रत्यक्षरीत्या टीका झाली ? वगैरे... वगैरे...

वाद मात्र काहीही असोत. भारतात बहुसंख्यात हिंदू धर्मीय आहेत. जवळपास १०% प्रमाण आहे. जर ७% हिंदू धर्मीय म्हणजेच ८०% भारतीय जर अंधश्रद्धा निर्मूलित झाले आहेत, तर आपला देश आज आहे त्या पेक्षा ८०% जास्त वेगाने प्रयत्न करील. असे झाले तर डॉ. दाभोळकरांना ही मोठीच श्रद्धांजली म्हणावी लागेल.

RAR

मधुमेहापासून मुक्ती...

कु. शामल सयाजी म्हस्के (T.Y.B.Sc. Zoology)

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भारतामध्ये मधुमेह हा एक राष्ट्रीय आजार झाला आहे. जगामध्ये चीननंतर भारतातच सर्वाधिक मधुमेहाचे रुग्ण आढळतात. १४ नोव्हेंबर हा जगभरात मधुमेह दिन म्हणून पाळला जातो. यावर्षी १४ नोव्हेंबर हा जागतिक मधुमेह संस्थेने 'हेल्दी ब्रेकफास्ट' म्हणजे संतुलित आहार ही 'थीम' मधुमेहासाठी वापरली आहे. याच दिवशी सुप्रसिद्ध डॉ. फ्रेडरिक बॅन्टीन यांनी इन्सुलीन या मधुमेहावरील वरदान ठरलेल्या संप्रेरकाचा शोध लावला होता. त्यामुळे जागतिक आरोग्य संघटनेने १४ नोव्हेंबरला 'जागतिक मधुमेह दिन' घोषित केला आहे. एकेकाळी श्रीमंतांचा आजार म्हणून ओळखला जाणारा मधुमेह हा आता घराघरांत फोफावला आहे.

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आपले शरीर पेशींचे बनलेले आहे. या प्रत्येक पेशीला कार्यरत असण्यासाठी ऊर्जा लागते. ही ऊर्जा शरीरातील ग्लुकोज म्हणजेच साखर देते. मात्र या साखरेला पेशीमध्ये नेण्याचे काम इन्सुलीन करीत असते. शरीरातील स्वादुपिंडामधील बीटा पेशींमध्ये इन्सुलीन तयार होते आणि हे इन्सुलीन साखरेचे वहन पेशींमध्ये करत असते. पेशींमध्ये साखरेचे प्रमाण वाढणे, कमी होणे म्हणजे मधुमेह होणे होय.

मधुमेहाचे प्रकार

मधुमेह साखरेचे प्रमाण वाढल्याने होतो. मधुमेहाचे चार प्रमुख प्रकार -

१) इन्सुलीन तयार न झाल्यामुळे होणारा मधुमेह.

 इन्सुलीन तयार असले तरी ग्लुकोजचे वहन न झाल्यामुळे झालेला मध्मेह.

३) गर्भवती स्त्रियांना गर्भधारणेदरम्यान होणारा मधुमेह.

४) शरीरातील अन्य आजारांमुळे होणारा मधुमेह.

मधुमेह होण्याची प्रमुख कारणे : मधुमेह हा १०० टक्के अनुवंशिक आजार आहे. आई-वडील यांना असल्यास ९०% या आजाराची शक्यता असते. आई किंवा वडील यांच्यापैकी एकाला जरी आजार असेल तर ही शक्यता ७०% असते. आणि शरीरात प्रमाणापेक्षा अधिक चरबी वाढल्यास किंवा पोटाचा आकार ९० सेंटीमीटरपेक्षा अधिक झाल्यास साखरेचे प्रमाण वाढून मधुमेह हमखास होतो. चरबी वाढण्यासाठीची प्रमुख कारणे म्हणजे असंतुलित आहार, बदललेली जीवनशैली, वाढता तणाव आणि व्यायामाची कमतरता होय.

मधुमेहाची लक्षणो - मधुमेह झाल्याचे शक्यतो कळत नाही. त्यामुळे वयाच्या ४०व्या वर्षानंतर प्रत्येकाने साखरेची चाचणी करणे गरजेचे आहे. साखरेच्या चाचणीशिवाय या आजाराचे अन्य दृश्य लक्षण दिसून येत नाही. बरेच वेळी शरीरातील अन्य ऑपरेशनच्या वेळी तपासणी करताना किंवा साखरेची तपासणी केल्यावरच याबाबत रुग्णाला माहिती मिळते. मात्र अडीचशे ते तीनशेपर्यंत साखरेचे प्रमाण वाढल्यावर वारंवार लघवी लागणे, भूक वाढणे, नजरेवर परिणाम होणे अशी प्रमुख लक्षणे दृश्यस्वरूपात दिसतात.

मधुमेहाचा शरीरावर परिणाम : मधुमेहामुळे संपूर्ण शरीरावरच परिणाम होतो. मुख्यत: हृदय, त्वचा, डोळे आदींवर या आजाराचा थेट परिणाम होतो. मधुमेह आणि रक्तदाब हे आजार एकमेकांना पूरक आहेत. थोडक्यात, एकमेकांचे सोबती आहेत. मधुमेह असणाऱ्यांना रक्तदाबाचा त्रास असतोच. कारण साखरेचे प्रमाण वाढले की, साखर रक्तवाहिन्यांवर चिकटते. त्यामुळे रक्तदाब वाढतो. हृदयाला रक्त पुरविणाऱ्या वाहिन्या छोट्या असतात. त्यामुळे त्यांच्यात ब्लॉकेज निर्माण होतात. त्यामुळे रक्तपुरवठा कमी होऊन हार्ट अटॅक येणे, लकवा मारणे, किडनी खराब होणे आदी प्रकार होऊ शकतात. साखरेचे प्रमाण वाढल्याने शरीराची त्वचा कोरडी होते. त्यामुळे विशेषतः पायावर अधिक परिणाम होतो. लघवीच्या जागेवरही त्वचा आजार होऊ शकतो. साखर वाढल्याने मोतीबिंदू होण्याची शक्यता असते. साखर डोळ्यांच्या दृष्टीपटलावर चिकटते, त्यामूळे नजर कमजोर होते. याशिवाय सतत लघवी आल्यामुळे त्या जागेवर देखील इन्फेक्शन होऊ शकते. थायरॉइडसारखा आजार हा मधुमेह असल्यावरच होतो.

मधुमेहाची लक्षणे : वारंवार लघवी लागणे, भूक वाढणे, दृष्टीवर परिणाम होणे, जखमा तातडीने बऱ्या न होणे.

तरुणांमध्ये मधुमेह वाढण्याची कारणे ?

अगदी तरुणवयात मधुमेह वाढत असल्याचे भारतात दिसून येते. यामागे असंतुलित आहार व बदललेली जीवनशैली प्रमुख कारणे आहेत. फास्टफूड हे तरुणांसाठी जवळ जवळ मधुमेहाचे प्रमुख कारण झाले आहे. 'फास्टफूड' किंवा 'जंकफूड' म्हणजेच अधिक 'कॅलरी' असणारा आणि तंबाखूसारखे व्यसन लावणारा आहार आहे. यामध्ये कॅलरी अधिक असल्याने शरीरातील साखरेचे प्रमाण वाढते आणि चरबी अधिक प्रमाणात तयार होते. त्यामुळेच आजच्या मुलांमध्ये पोटाचा घेर वाढणे, चरबी वाढणे आदी मधुमेहाला पूरक असे आजार वाढले आहेत. याशिवाय नियमित व्यायामाचा अभाव, खेळांकडे दुर्लक्ष, कमी झोप आणि असंतुलित आहार यामुळे तरुणांवर मधुमेहाने आपला विळखा टाकला आहे.

मधुमेहाचा प्रतिबंध कसा करावा ?

मधुमेह होऊ न देणे हा सर्वोत्तम प्रतिबंध आहे; परंतु झाला असला तरी घाबरण्याचे कारण नाही. नियंत्रित जीवनपद्धती आणि संतुलित आहाराद्वारे त्यावर उपाय करता येतो. त्यामुळे तो झाला असेल किंवा होऊ द्यायचा नसेल तर पुढील त्रिसूत्री अमलात आणणे गरजेचे आहे. ती म्हणजे 'वेळेवर जेवा... कमी जेवा... योग्य जेवा आणि मधुमेह पळवा...'

महाराष्ट्रातील लोकांचा आहार बघता आम्ही फॅट्स आणि कार्बोहायड्रेट्सचे अधिक सवेन करतो. त्यामुळे जेवताना पालेभाज्या, फळे यांचे प्रमाण वाढविणे गरजेचे आहे. ज्या फळामध्ये साखरेचे प्रमाण कमी आहे. अशी फळे घ्यावी. उदा. आंबा, केळी या फळांचे सेवन करू नये. यामध्ये साखरेचे प्रमाण अधिक असते/ आहे. आईस्क्रिम, पेढा, गोड पदार्थ टाळावे. पपईसारख्या फळाला प्राधान्य द्यावे. नॉनव्हेजमध्ये बलक काढलेले अंडे, मासे हे अधिक चांगले. अन्य मांसाहार मधुमेहासाठी टाळणे गरजेचे आहे. कारण यातून साखरेचे प्रमाण अधिक वाढते. सर्वांत महत्त्वाचे म्हणजे वेळेवर जेवणे, संतुलित आहार घेणे. रोज ३०-४५ मिनिटे व्यायाम करणे, चालणे, ६ ते ७ तास नियमित शांत झोपणे, ताण कमी करणे, जीवनशैली नियमित बनविणे हे प्रमुख उपाय आहेत. याशिवाय वर्षातून एकदा शुगर, रक्तदाब, डोळे, कोलेस्ट्रोल तपासणे आवश्यक ठरते.

पोषक आहार, नियमितपणे चालणे, वेळच्या वेळी रक्त-तपासणे, हसत जगणे जगावे जीवनगाणे...

परिणाम :

मधुमेहामुळे रक्तदाब वाढतो. हदयविकाराची शक्यता. अर्धांगवायू होणे. किडनी खराब होणे. जखमा बृऱ्या न होणे. मोतिबिंदू होणे. थाईरॉईड होणे.

इन्सुलीनच्या इंजेक्शनची आवश्यकता का ?

इन्सुलीन हे आपल्या शरीरातच स्वादुपिंडातील बीटा पेशींमध्ये तयार होते. त्याची मात्रा कमी झाल्यास किंवा ते कार्यरत नसल्यास मधुमेहाला प्रतिबंध करण्यासाठी इंजेक्शनच्या रूपाने ते अन्नद्रव्य आपल्याला घ्यावे लागते. शरीरात त्याची व्याप्ती वाढविण्यासाठी ते इंजेक्शन स्वरूपातच द्यावे लागते. आजकाल नवीन संशोधनामुळे इन्जेक्शन स्वरूपात इन्सुलीन घेणे हे अगदी सोपे झाले आहे. अशाप्रकारे आपण मधुमेहापासून मुक्ती मिळवू शकतो.

संदर्भ : लोकराज्य मासिक, वर्तमानपत्र, इंटरनेट.

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असावं कुणीतरी. Lecture's Bunk केल्यावर बाबांसारखं ओरडणारं, पण आपल्या प्रत्येक चुकीवर आईसारखं पांघरूण घालणारं आपल्याही आयुष्यात असावं कुणीतरी... जो तेरा है वो मेरा है असं म्हणून हक्क गाजवणार घेतलेल्या गोष्टी परत कधीच परत न करता उलट Har ek friend Kamina hota hai असं dialogue मारणारं आपल्याकडे ही असावं कुणीतरी... Ha toh ! Ha toh ! करून attitude दाखवणारं पण, आपण रासतीच असं कळल्यावर ज्यादा नाटकी मत कर, 'चूपचाप लाईन पे आजा' असं attitude मध्ये मनवणारं आयुष्याच्या बेरंग canvas वर आपले सर्व रंग उधकून आयुष्यात रंग भरणारं असावं कोणीतरी... प्रत्येक सुखामध्ये हक्कानी पार्टी मागणारं व प्रत्येक दुःखात 'Hum hai to kya gum hai' असं म्हणून आपण सकटं नसल्याची जाणीव करून देणार. आपलंही असावं कोणीतरी... प्रत्येक येणाऱ्या-जाणाऱ्या मूलाच्या नावाने 'तो बंघ आमचा जीजू' असं चिडवणार, पण वेळप्रसंगी आपल्यासाठी आख्या जगाशी भांडणारं, आपल्या जीवनातही असावं कृणीतरी... Boyfriend सारखं रोज नित्यनियमितपणे गरवारे कॉलेजसमीर वाट पाहाणारं FC रोडवर जाऊन आपल्याकडून Bargaining करायला शिकणारं प्रत्येक चोरीमध्ये वाटा असणारं आपलंदेखील असावं कोणीतरी... वडलांसारखं प्रत्येक क्षणी पाठीशी राहणारं, आईसारखं मायेच्या पदरानी अश्रू पुसणारं, छोट्या बहिणीसारखं भांडून फुगणारं, भावासारखं चिडवणारं, ताईसारखं चार मोलाचे शब्द सांगून कान खेचणारं, परकं असूनही खूप आपलं आपलंसं वाटणारं, माझ्याजवळही आहे कुणीतरी... माझ्याजवळही आहे कुणीतरी... - रूपाली हरपळकर (S.Y.B.Sc-B.)

लिहिण्यासारखं काहीतरी सुचलेलं...

पंकज अशोक बागड (MCA - II)

आयुष्य हे एक पुस्तक असतं आणि पुस्तक म्हटलं म्हणजे त्यात भरपूर प्रकारचे धडे. प्रत्येक धड्याचा एकमेकांशी काहीतरी संबंध. एखाद्या धड्याचा त्यांच्या मागच्या धड्याशी किंवा एखाद्या गोष्टींशी. पण काही धडे असे असतात की त्या धड्याचे पुस्तक बनते. असंच जणू काहीसं माझ्या आयुष्याबद्दल घडलं. ह्या आयुष्यात असं काही घडलं की त्याचा मला एक नवा धडाच मिळाला.

गावाकडे ग्रॅज्युएशनचं शिक्षण घेऊन म्हणजेच आयुष्यातलं एक पर्व संपवून दुसऱ्या पर्वाला म्हणजेच पुढील शिक्षणासाठी घराबाहेर, गावाबाहेर पडायचे ठरवले. तेव्हा समोर खूप काही वेगवेगळे प्रश्न निर्माण झाले. होते. २१ वर्षे गावात आई-वडिलांजवळ होते आणि आता अचानक बाहेर जायचे. एका बाजूला पुढील शिक्षणासाठी बाहेर जाण्याचा आनंद पण होता अन् दुसऱ्या बाजूला आई-वडिलांपासून दूर जाण्याचे दु:ख सुद्धा होते. कदाचित ते कधीही भरून न निघणारे होते, पण तरीही काळजावर दगड ठेवून पुढील शिक्षणासाठी बाहेर म्हणजेच पुण्याला जायचे ठरवले आणि त्याप्रमाण निघालो.

पहिल्यांदा पुण्यात येत होतो. एवढ्या मोठ्या शहरात कसे होणार असे बरेच प्रश्न पडले. त्याचवेळेस Modern Collegeमध्ये आलो. तेव्हा इकडे-तिकडे विचारून प्रवेशाची प्रक्रिया पूर्ण केली. ओळख तशी कोणाशीच नव्हती आणि तोपर्यंत वर्गात सुद्धा गेलो नव्हतो. मनात फार प्रश्न खेळत होते. आपण गावाकडचे, इकडे सर्व मुले भारी असतील. मोठ्या घरातील श्रीमंत अन् आपण मध्यमवर्ग ? आपण त्यांच्यासोबत बसू का किंवा ते आपल्यासोबत बसतील का ? असे एक ना दोन बरेच प्रश्न मनात होते आणि त्याचवेळेस एका बाहेरच्या मित्राकडून कळाले की एक मित्र ओळखीचा आहे. मग त्याच्याशी ओळख केली. त्यानंतर वर्गात कसाबसा प्रवेश केला.

वर्गातील सर्वांवर एकदा नजर फिरवली तर खूप वेगळे असे दिसत होते म्हणजे असे म्हणतो की, MH-12 पण हे फक्त माझ्या मनात चालणारे विचार होते. दुसऱ्याच दिवशी सरांनी assignment दिली होती. आधीच कॉलेजला २०-२२ दिवस उशिरा गेलो होतो. ते एक टेन्शन डोक्यावर होतं आणि त्यात assignment. जेव्हा वर्गात गेलो तेव्हा बधितले तर सर्वजण ती assignment पूर्ण करण्यात गुंतले होते आणि मी तसाच एका मुलाशेजारी जाऊन त्याला विचारले की इथे बसू का ? तेव्हा मला आलेले उत्तर वेगळेच होते. आयुष्यात आजपर्यंत मित्राला मित्र म्हटलेले ऐकले होते, पण तेव्हा तो म्हटला की, ''बस ना 'भाऊ' एवढा काय विषय आहे.'' ऐकून खरंच भारी वाटले तो ज्या पद्धतीने ती assignment पूर्ण करत होते ते बघून जास्तच भारी वाटत गेले. पाठीमागून पूर्ण झालेला कागद येत होता आणि आम्ही दोघे न बघता फक्त पूर्ण करत होतो. पुढच्या माझ्या आयुष्यात त्याने खरंच मला एक मित्र नाही तर भाऊ म्हणून महत्त्वाची भूमिका बजावली आणि त्यावेळेस मला अशाच एका मित्राची नाही तर भावाची गरज होती की जी नशिबाने पूर्ण झाली होती.

त्यानंतर त्या ओळखीच्या मित्राने माझी ओळख सर्वांशी करून दिली. नंतर college सुटल्यावर आम्ही सर्वजण नाष्टा करायला समोरच्या टपरीवर जायचो. तिथे खायचे, प्यायचे अन् नंतर घरी जायचे असा रोजचा क्रम ठरलेला. त्याच टपरीवर ओळख झालेला मित्र. रोज सकाळी मी लवकर येत असे. आणि तिथे उभा राहन इतर मित्रांची वाट पाहात. असंच रोज त्यातला एक मित्र आपल्याच ऐटीत यायचा, हेल्मेट काढत मोठी अशी गाडी घेऊन यांयचा. नंतर दोघे मिळून चहा प्यायचो अन् वर्गात जायचो, पण पुढील आयुष्यात हाच मित्र सर्वांत जास्त भांडला पण तेवढाच जीव सुद्धा त्याने लावला. त्याच्याबद्दल एवढंच सांगतो की ज्या दिवशी ह्या जगाचा निरोप घेईन त्या दिवशी हा खांदा द्यायला सर्वांत पढे असेन. असंच रोजचं कॉलेज सुरू झाले होते आणि आयुष्यात कधी न अनुभवलेली credit system आता अनुभवायला मिळणार होती. की ज्याबद्दल मला तोपर्यंत काहीच माहीत नव्हते. असेच मी कॉलेजला येऊन ४-५ दिवस झाले असतील तेव्हा सर्व मुलांनी फिरायला जायचे ठरवले. मला सर्वांनी फार मनापासून बोलावले, पण पहिल्यांदा पण्यात आलो आणि लगेच फिरायला. जर त्या trip ला गेलो असतो तर कदाचित आज हा लेख तुमच्यासमोर नसता आला असेच. त्या त्याच टपरीवर अजून बाहेर राहाणाऱ्या म्हणजेच hostel वर राहाणाऱ्या मित्रांशी ओळख झाली कदाचित नशिबाने म्हणा किंवा काय. पुढे जाऊन मीच त्यांच्याबरोबर राहायला लागलो हे असे दोन मित्र भेटले की ज्यांच्या चेहऱ्यावर बघितले तर फार वेगळे दिसते, पण आतून खरे ओळखले तर अर्ध्या रात्री कोणाच्याही मदतीला धावून जाणारी आणि असेच माझ्याही मदतीला वेळोवेळी

धावून येत. कधी घरची आठवण येऊ देत नाही. ह्यांनी एवढा जीव लावला की पुढील आयुष्यात त्यांच्यासमोर मी काही ठेवले तरी ते कमी पडावे असे हे मित्र.

ह्यानंतर पूढील काही दिवसांत ओळख झाली तो असा मित्र की ज्याच्याकडे पूर्ण वर्गाचं प्रतिनिधित्व करण्याची जबाबदारी देण्यात आली. हा सुद्धा मित्र वेगळा नव्हता. इतरांप्रमाणे खुप जीव लावणारा. आजपर्यंत मी खुप वर्गाचं प्रतिनिधित्व करणारे बधितलेत पण हा जसा करत होता. जसे केले त्याबद्दल खरंच त्याला आणि त्याच्या कामाला सलाम... असंच करत करत कॉलेजमध्ये महिना झाला. असेच वर्गात पुन्हा दोन मित्र भेटले ते पण वर्गात उशीरा आलेले, पण नंतर कळाले की ते ह्याच कॉलेजमधली होती. हे दोधे मित्र त्यांची मैत्री मला पहिल्या दिवसापासून दिसत होती. एकाच जागेवर बसलेली, एकाच वेळेस उत्तर देत आणि बरेच काही, पण जास्त बोलत नकती. एवढंच काय तर त्यांच्या दोघांमधल्या वाढदिवसांत सुद्धा ४-५ दिवसांचा फरक. एक एवढा बोलत होता की सुरू झाला तर थांबत नाही आणि दुसऱ्याला बोलणे सुरू करायला दोन जण लागतात. पण दोघांमध्येही खूप वेगळ्या अशा गोष्टी लपलेल्या होत्या; पण त्या गोष्टींचा ना कधी गर्व होता ना माज होता. असंच एकाच्या वाढदिवसाला ठरले, की दुसऱ्या दिवशी फिरायला जायचे आणि त्याप्रमाणे दुसऱ्याच दिवशी जवळच सर्वजण फिरायला मिघालो. म्हणता म्हणता २१ जण त्या ट्रिपमध्ये गेलो. त्या ट्रिपमध्ये सुटलेली ती लोकल आणि त्यामुळे झालेला उशीर अन् उशीरात झालेली ती मजा. जणू काय वेगळीच होती. कदाचित सर्व काही जुळून येत होते. त्या ट्रिपमध्ये मैत्रिणी भेटल्या. एक-दोन नाही तर सात मैत्रिणी भेटल्या.

ह्याच मैत्रीत, ह्याच सर्व भावांमध्ये ह्याच कॉलेजमध्ये असा एक मित्र त्यावेळेस भेटला. हा मित्र आहे का भाऊ हेच मला त्या वेळेस कळत नव्हते. कॉलेजच्या पहिल्या दिवसापासून माझी नजर त्याच्यावर पडली होती. त्याच्याकडे बघितले तर तो मोठ्या घरातला वाटत होता. पण जेव्हा तो माझ्याशी बोलायला आला तेव्हा मात्र काही वेगळेच जाणवले. त्याने त्या पहिल्या ट्रिपमध्ये मनापासून खूप बोलावले अन् मी प्रत्येक क्षणाला नकार देत होते. त्यानंतर रोज कॉलेज सुटल्यानंतर सर्वांना सोबत घेऊन टपरीवर चहा-नाष्टा करण्यासाठी हा सर्वांना घेऊन जात. कदाचित ह्याच्या प्रत्येक कामात मला दिसत होती ती म्हणजे एकी. कदाचित ती त्याला हवी होती अन् त्यासाठी तो प्रयत्न करत होता. एक वेळोस गावाहून पुण्याला रात्रीचे जात असताना हा मित्र पहाटे ४ वाजता फक्त ४ दिवसांच्या मैत्री बधून आला होता. कदाचित हे उपकार (उपकार हा शब्द वापरून मी आनच्या मैत्रीत दुरावा निर्माण करत आहे असे वाटत असेल, पण तसे करण्याचा माझा कुठलाही प्रयत्न नाही) कितीही केले तरी फेल जाणारे नाही असे होते अन् माझ्या पुढच्या कॉलेजच्या जीवनात ह्यने खूप-खूप जीव लावला कदाचित मैत्रीच्या पलीकडे. त्याच्याबद्दल लिहिण्यासारखे खूप काही. तो एवढा छान बोलतो अन् लिहिणं. की त्यापुढे कोणीही फिकेच पडावे.

असे सर्व मित्र भेटत गेले अन् कधी आमची सर्वांची मैत्री घट्ट झाली हे कोणाला कळाले नाही. आम्ही एकमेकांना कधी मित्र म्हणणं सोडून भाऊ म्हणायला लागते हेच कळाले नाही जिथे जाऊ, तिथे मजा, गप्पा, गोष्टी होत. सर्वजण एकमेकांना एवढा जीव लावत गेलो की, प्रत्येकजण आपल्या बाजूने ही मैत्री टिकवण्याचा प्रयत्न करीत होता. बाहेरील मित्र किंवा कोणीही आमच्या सर्वांकडे बघत, तर त्यांना वाटे की ही वेगळी जुनी मैत्री आहे. पण त्यांना सांगताना आनंद होईल की आम्ही सर्वजण ह्या मॉडर्न च्या गेटवर पहिल्यांदा भेटलो अन् कधीही न तुटण्यासाठी भेटलो. पहिलीच भेट अन् ती आयुष्याभराची भेट झाली.

आज असे वाटते की, काही दिवसांपूर्वी घरी आई-वडिलांसमोर रडून घराबाहेर निघालो होतो. पण आज मित्र-परिवार खूप मोठा आहे. मित्रमैत्रिणींचा परीघ विस्तारला आहे म्हणूनच एवढेच सांगतो, ''देवाने आजपर्यंतच्या एवढ्या कमी वयात खूप काही दिले. पण जर आजही देवाने स्वत:जळ बोलावले तरी मी जाण्यास तयार राहीन, कारण देवाने मला जो ह्या माझ्या मित्र-मैत्रिणींबरोबर राहाण्याचा आनंद दिला आहे तो खूप मोठा आहे.''

RAR

स्वप्नांची झेप

आपलेच शन्नू होतील, पाय तुझे ते खेचतील चालायचे थांबू नकोस, स्वप्न नवी पेएशील कठोर चटके देतील, काटेरी जाल बिछावतील परंतु तुझ्या यशाला पाहून, आश्चर्यचकित ते होतील. दुखावतील तुझ्या थावना, विश्वासही मोडतील, याला खपवायचे तरी कसे, हेच सतत बघतील जीवनात तुझ्या वादळ, उभे ते करतील पडला तो म्हणून, हासत ते बसतील नाना प्रकारचे प्रयत्न, तुला दुखवायला ते करतील कधी हा रडतो, हेच ते बघतील सोडू नकोस जिद्द, आत्मविश्वासही ठेव हीच असेल तुझ्या स्वप्नांची नवी झेप !! - **पल्लवी अनिल साकोरे** (११वी विज्ञान)

"महाराज तुमच्या नसण्यानं तसा काहीच फरक पडलेला नाही... फक्त...''

महाराज तुमच्या नसण्यानं तसा काहीच फरक पडला नाही फक्त...

आमच्या आया-बहिणींवर राजरोसपणे बलात्कार केले जातात... आणि ते करणाऱ्याचा ''चौरंगा'' करायला आता कुणी उरलेला नाही.

बाकी तसा काहीच फएक पडलेला नाही.... फक्त...

गड-किल्ल्यांच्या संवर्धनासाठी

लाखो रूपये लुबाडले जातायत सरकारकडून... पण संवर्धन नाही तर त्या पैश्यात त्यांच्याच

घराचं संवर्धन होऊ लागलंय...

बाकी तसा काहीच फरक पडलेला नाही.... फक्त...

तुमचे मावळे आता जन्मदिवस गोडधोड खाऊन साजरा करत नाहीत...

तर त्यांना लागतात ''बाटल्या''

कारण त्याशिवाय त्यांचा जन्मदिवसच पुरा होत नाही... बाकी तसा काहीच फरक पडलेला नाही.... फक्त...

तुमचा इतिहास आता घरी बसून शिकवावा लागतो... कारण तुमच्या महाराष्ट्रातच कुणाच्यातरी

''भावना दुखावल्या जातात''

म्हणून तो पुस्तकातून पुसून टाकला जातो... बाकी तसा काहीच फरक पडलेला नाही.... फक्त...

पण तुमचे मौवळे तुम्हाला विसरलेत असं अजिबात नाही हा... ते तुमचा उदो-उदो आजही करतातच ना, पण फक्त त्यामुळे त्यांची ''हवा'' होते म्हणून...

बाकी तसा काहीच फरक पडलेला नाही.... फक्त...

तुमची राजमुद्रा अजूनही आहेः की आमच्या लक्षात... फक्त त्याचा मान तेवढा देवायला आम्ही थोडंसं विसरलोय... हातात दारफ-सिगारेट आणि त्याच हातात राजमुद्रा... नाही हो त्यानी काही फरक नाही पडत आम्हाला... कारण तेवढा आम्ही कधी विचारच केलेला नाही.... बाकी तसा काहीच फरक पडलेला नाही.... फक्त

आम्ही भांडतीय सकमेकांशी तुमच्या जन्मतारीख आणि जन्मतिथीच्या वादावरून...

Modern 2014 - 15 + 128

आग्ही हेच विसरलोय कि महाराज तुम्ही ''तारीख, तिथी नाही तर कर्तृत्वाला महत्त्व देत होते.'' बाकी तसा काहीच फरक पडलेला नाही..... फक्त

आम्ही थांडतोय आमच्या... आमच्यातच... मी हिंदू... तु मुसलमान... मी ब्राह्यण, तु मराठा...

आम्ही तुमची फक्त तत्त्व विसरलोय महाराज... बाकी तसा काहीच फरक पडलेला नाही....

555....

- ऋषिकेश रमेश वडके (MCA II)



शिवाजी व्हायचंय !

आव्हानांचे कितीही अफझलखान आले तरी मला पुन्हा जायचंय कोण भी जे क्षेत्र निवडलंय त्यातलं मला शिवाजी व्हायचंय कारण परिस्थितीने जरी असलो तरी मनाने नाही मी दिनदुबळा! रचू दे कितीही अड्चणींनी, तरीही भी फोडणारच तो क्रूर आपल्या, कारण कोंढाणा सर करणाऱ्या तानाजीगत सिंह व्हायचंय मला,

कारण भी जे क्षेत्र निवडलंय त्यातलं शिवाजी व्हायचंय मला ।। वीरांच्या या विराट देशी काहो घडाल्या आत्महत्या । लोकशाहीचा स्तंभ ज्याच्या काहो बिघडाल्या तरुण पिढ्या म्हणून दिशाहिन त्या अर्जुनांचे संखा सारथी कृष्ण व्हायचंय मला, कारण भी जे क्षेत्र निवडलंय त्यातलं शिवाजी व्हायचंय मला ।।

गरीबांचा आशीर्वाद घेऊन श्रीमंतांचाही बॉस व्हायचंय मला, पण मिळालं नाही सगळ, म्हणून माणुसकीचाही दास व्हायचंय मला, कारण मी जे क्षेत्र निवडलंय त्यातलं शिवाजी व्हायचंय मला ।।

ध्येयवादाची ही खिंड लढवून बाजीसारखं पावन व्हायचंय मला, कारण मी जे क्षेत्र निवडलंय त्यातलं शिवाजी व्हायचंय मला ।। सिद्धार्थ नाईक

ि हिरवा आभास

चित्रकलेच्या सर्राती श्रेत-शिवाराचं हिरुवं चित्र काढायला सांगितलंय पोर्रांना आणि सर मात्र बाहेर जावून हिरुवा रंग शोधत बसलेत कुंडीतल्या पिवळ्या रोपट्यामध्ये

शहरातल्या पोरांच्या रंगपेटीतील हिरव्या रंगाचे खडू संपून चालले होते पानातल्या पानांत अन् रंगी-बेरंगी पेन गर्क झाले होते फूलांच्या नादात

गाव सोडून येताना पिट्यानं गावाची दशा पाहिली होती दुष्काळानं गावाकडची मातीसुद्धा उघडीनागडी झाली होती

पण इशं,

सगळ्यांच्याच पानांवरील डोगरांनी हिरुवी साल पांघरली होती डोंगरांमधून वाहणारी नदीसुद्धा पोरांनी हिरुवीगार दाखवली होती

गावाकडचा पिंट्या मात्र दुष्कांळ रेखाटत राहिला शेत-शिवाराचा न संपणाऱ्या सावलीसारखा फक्त काळ्या पेन्सिलीनं आणि शेवटी रंगही भरला चित्रात त्यानं त्याच काळ्या पेन्सिलीनं रंगही भरला चित्रात त्यानं त्याच काळ्या पेन्सिलीनं

सगळ्यांच्याच रंगाचा बेरंग केलाय तू असं सरांनी सांगितलं पिंट्याला टेबलावर उश्चं करून पोर्टानी वर्गात सकच हशा पिकवला गावाकडून आलेला पिंट्या गावठी असल्याचा भाव चेहऱ्यावर दाखवला

पिंट्या मात्र कोरुड्या डोळ्यांनीच रुडत राहिला आणि बघत राहिला शहरीकरणात वावरणाऱ्या पोरांच्या डोळ्यांतलं आपलं गावरानपण अन् मधाशी कुंडीतलं पिवळं रोपटं हिरवं म्हणून पाहिलेल्या आपल्या सरांचं कठोर मन

सरांनी हळुवार ते चित्र फळ्यावर टांगलं चित्रातल्या दुष्काळाची जाणीव असल्यागत आणि खडसावून जाब विचारला काळ्या पेन्सिलीनं काढलेल्या चित्राचा माणसांच्या भावनांना किंमत नसल्यागत

चार पावसाळे अधिक पाहिल्याचा अनुभव सांगत सरांनी विचारलं, काळ्या पेन्सिलीनं हिरुवं-शिवार तुह्या बापानं दाखवलं होतं का कधी ?

सर, तुमचं सगळं खरंच ! चार पावसाळ्यांचा अनुभव माझ्या उरावर कमीय पण स्काच दुष्काळत दुभत्या गाईनं आणि

राबत्या बैलानं पाण्यावाचून दावणीला मान टाकल्यावर माझ्या आई-बापाच्या डोळ्याला आलेला महापूर त्या चार पावसाळ्यात आला नव्हता कधी, अन् पावसाची वाट बघणारा चातक याआधी मेला नव्हता कधी

माफ करा सर, तुम्ही म्हणताय 'त्या' कुंडीतल्या रोपट्याला 'हिरवं' एण मलाही पिवळी कावीळ झाली नाही आणि फारतर काळीच दिसू शकते झाडांच्या सावलीमुळे वाहणारी नदी तुम्ही मघाशी मान्य केलेली हिरवी नदी अजून कथीच वाहिली नाही

काळ्या चित्राला हसणारे आता आपल्याच 'हिरव्या' चित्राकडं बघून हसायला लागले मनातल्या मनात आणि सगळ्यांनीच पाहिलं आपलं अस्सल गावरानपण रकट्या पिंट्याच्या डोळ्यांत

आधी हिंਦवा होता तुमचा आभास आता काळा झाला आहे नीट बघा सर चित्र माझं मी सगळंच चित्र रंगवलं नाही माणसं रंग बदलतात हे ठाऊक होतं म्हणून चित्रातला माणूस अजून काळासुद्धा केला नाही

गावाकडचा दुष्काळ माझ्या आजही कमी नाही तरी मनातली सल मी चित्रात दाखवली नाही धसका खवढा आहे मनात त्याचा की पाणी वाया जातं म्हणून मघापासून मी आणि बहात्तर पासून माझा बाप अजून रडला नाही

- आरेकर अंकुश रामदास (F.Y.B.A.)

Modern 2014 - 15 + 130

मन...

अंतरात्मा नसून आपती सावली आहे मन, दुःख सोसणारं मन, आनंद झेलणारंही मन

कधी गप्प तर, कधी बोलकं आहे मन, शाब्द ओठांतले असले तरी बोलणारं मात्र मन

निराशेला आशेत बदलतं, ते मन, वाईटातून सुद्धा चांगलं साध्य करणारं मन,

कधीतरी दिशाहीन, पण शेवटी दिशा दाखवणारं मन बुद्धि जेव्हा साथ सोडत असे, तेव्हा समजून घेणारं मन,

राग, द्रेष, आनंद, कुतूहल, सगळ्या भावना जपणार्र, मन आयुष्यात हरणारे-जिंकणारे आपण कोण ? तेही मन

वाईट वाटल्यावर रडणारे, डोळे नव्हे, ते देखिल मन रात्र झाल्यावर निजतं ते शरीर, पण जागं राहणारं मन,

सोबतीला कुणी असो वा नसो, कायम जवळ असतं, मन शेवटी व्यक्ति ओळखते म्हणजे काय ? तर ओळखा त्याचं मनं... फक्त मन...

मैत्री 200

- प्रतिक्षा प्रकाश विंचुरकर (T.Y.B.Com.)

मैत्रीचं नातं, जिवाश्रावंचं असतं स्कमेकांच्या मनात कायमचं घर कछन बसतं जवळ असताना खूप जिव्हाळ्याचं वाटतं पण, दूर जाताना मात्र, डोळ्यांत पाणी दाटतं मैत्री रक नातं असतं, सुख-दुख रेकणारं वाईट गोष्टी दूर कछन, चांगल्या गोष्टी शिकवणारं मैत्री असतो रक धागा संकटातही साथ देणारा आयुष्याच्या वाटेवर सदैव, सोबत राहणारा मैत्रीमध्ये कधीच नसतो हेवादावा मैत्री म्हणजे रकमेकांच्या, निखळ प्रेमाचा पुरावा मैत्री रक नातं असतं, दोन माणसं मोडणारं खऱ्या मित्रासाठी, जगाची परंपरा मोडणारं मेत्री रक नातं असतं, अंतःकरणातून जळणारं, न सांगताही रकाच्या, वेदना दुसऱ्याला कळणारं - सचिन गायकवाड (S.Y.B.A.)

व्यापार मेळा २०१५: विद्यार्थ्यांमधील उद्योजकाची बीजपेरणी !

राजश्री श्री. जाखलेकर (प्रथम वर्ग, पदव्युत्तर, वाणिज्य शाखा)

Conservation Con Conservation

वाणिज्य शाखेत प्रवेश घेताना मोठेपणी उद्योजक व्हायचे हे स्वप्न उरी घेऊनच मी या शाखेत प्रवेश घेतला. मॉडर्न महाविद्यालयात प्रवेश घेण्यामागचे प्रमुख कारण म्हणजे आमच्या घरातील दोन पिढ्या या आपल्या महाविद्यालयाच्या माजी विद्यार्थी आहेत, त्याचप्रमाणे येथे मिळणारे शिक्षण, विद्यार्थ्यांमधील कलागुणांना दिला जाणारा वाव याबद्दल खात्री असल्याने माझाही प्रवेश मॉडर्न महाविद्यालयातच झाला. पदवीच्या प्रथम वर्षी 'कॉमर्स असोसिएशन' मधील विविध स्पर्धांमध्ये भाग घेऊन बक्षिसे जिंकत आले. पण मग पुढील दोन्ही आणि पदव्युत्तर वर्गात आल्यावर स्पर्धक आणि स्वयंसेवक म्हणून भाग घेतला. स्वयंसेवक झाल्याने पडघामागे घडणाऱ्या खूप गोष्टी शिकायला मिळाल्या, त्याचबरोबर पुस्तकी शिक्षणही चालू असल्याने गाठीशी मिळालेला अनुभव बऱ्याच गोष्टी शिकवणारा होता.

'कॉमर्स असोसिएशन' कडून विविध स्पर्धा आपल्या महाविद्यालयात घेण्यात येतात, जसे कि लेटर हेड कॉम्पिटीशन, ऑडीयो व्हिजिबल कॉम्पिटीशन, ट्रेजर हंट वगैरे. सर्वच स्पर्धांना विद्यार्थ्यांचा मोठ्या प्रमाणात सहभाग असतो. यासवांमध्ये मागच्यावर्षी अजून एका स्पर्धेची भर घालण्यात आली 'बिझनेस टॅलेंट सर्च कॉम्पिटीशन'. खरंतर ही स्पर्धा प्राथमिक तत्वावर महाविद्यालयाच्या प्रशासकीय इमारतीखाली घेण्यात आली होती, याही स्पर्धेला भरघोस प्रतिसाद दिला गेला. विद्यार्थ्यांनी येथे काही तासांसाठी चक्क 'बिझनेस' करायचा होता. एकूण पस्तीस स्टॉल्स मांडण्यात आले होते. स्पर्धेला मिळालेला प्रतिसाद पाहून प्राचार्य डॉ. राजेंद्र झुंजारराव सरांनी अशा प्रकारची स्पर्धा पुढीलवर्षी मोठ्या प्रमाणावर घेण्याचे वचन विद्यार्थ्यांना दिले, आणि ते पाळलेही.

यावर्षी डिसेंबर महिना संपताच आम्हाला सर्वांना 'बिझनेस टॅलेंट सर्च कॉम्पिटीशन'चे वेध लागले. नोटीस बोर्डवर नोटीस लागल्यालागल्या आम्ही मैत्रिणींनी नाव नोंदणी केली, परंतु यावर्षी स्पर्धेच नाव होते 'व्यापार मेळा २०१५'. मुळातच विद्यार्थ्यांमधील उद्योजकतेला महाविद्यालयीन शिक्षणाबरोबरच वाव मिळावा हा या स्पर्धा आयोजित करण्यामागचा मुख्य हेतू होता. इथे आम्ही विद्यार्थी चुकलो तरी सांभाळून घ्यायला आणि आमची चूक सुधारायला आमचे सर्व प्राध्यापक सज्ज होते. 'बिझनेस टॅलेंट सर्च कॉम्पिटीशन' हि फक्त वाणिज्य विभागातील मुलांसाठी धेण्यात आलेली स्पर्धा होती परंतु यावर्षी 'व्यापार मेळा'चे स्वरूप मोठे असल्याने ती महाविद्यालयात शिकणाऱ्या सर्व शाखांमधील विद्यार्थ्यांना सहभागी करून धेणारी होती. फक्त वाणिज्य शाखेतच शिकणारे नाही तर

शास्त्र, कला, मानसशास्त्र, संगणक शास्त्र, भूगोल, प्राणिशास्त्र अशा विविध विभागातून विद्यार्थ्यांनी उत्साहाने नावनोंदणी केली होती. याशिवाय यावर्षी हि स्पर्धा मैदानात मांडव घाऌून सायसंगीतरित्या घेण्यात येणार होती त्यामुळे साहजिकच आमचे कृतुहल वाढले होते. 'कॉमर्स असोसिएशन'च्या शिस्तबद्ध कारभारात सर्व मिटींग्स पार पडत होत्या, प्राचार्य डॉ. राजेंद्र झुंजारराव, प्रा. डॉ. विजय गायकवाड, प्रा. श्रद्धा हिरवे, प्रा. संध्या वर्तक सर्वच शिक्षकांकडून वेळोवेळी मोलाचे मार्गदर्शन व शिस्तपालनाचे धडे दिले जात होते त्याचप्रमाणे एक पालक म्हणूनही आमची काळजी घेतली जात होती. स्पर्धेसाठी निवडलेले स्वयंसेवकही सहकार्य करण्यात हात आखडता घेत नव्हते. शिक्षकेतर कर्मचारी देखील तितक्याच उत्साहाने आमच्या मदतीला धावत होते. या मिटींग्स दरम्यान आम्हाला सर्वात भावलेली गोष्ट म्हणजे संपूर्ण कारभारात पारदर्शकता होती, सर्व सूचना या प्रत्येक विद्यार्थ्यांपर्यंत पोहोचत होत्या आणि त्यांनी मांडलेली मते विचारात घेतली जात होती, कोठेही आडपडदा ठेवला जात नव्हता त्यामुळेच स्पर्धा सुरळीत पार पडेल हा विश्वास वाटला. खरंतर स्पर्धा दोन दिवसच होती पण मिळणारा अनुभव खूप मोठा होता. आत्तापर्यंत फक्त पुस्तकी शिक्षण मिळालेल होत जे या दोन दिवसांत आम्हाला प्रत्यक्षात अंमलात आणायचं होत, थोडक्यात एक प्रकारची 'प्रॅक्टीकल परीक्षा'च होती.

आम्हा सर्व मैत्रिणींच्या मतानुसार 'कॉसमॅटिक्स ॲण्ड ज्वेलरी'चा स्टॉल मांडावा अस ठरलं. महाविद्यालयात या वस्तुंना असलेली मागणी लक्षात घेता 'बिझनेस' नक्की चालणार यात शंकाच नव्हती. पण या वस्तू खरंतर प्रत्येकजण आपापल्या आवडीनिवडीनुसार घेणार होता त्यामुळे मोठ्या प्रमाणावर आम्हाला खरेदी करावी लागली. पण सर्व खरेदीचा श्रीगणेशा हा 'मार्केट रिसर्च' करून झाल्यावर मगच करण्यात आला कारण घेतलेल्या वस्तु अंगावर पडून चालणार नव्हत्या व कुशलतेने विकायच्या होत्या यासाठी उपप्राचार्य डॉ. यशवंत वाघमारे सरांनी वर्गात शिकविलेल्या थिअरी प्रमाणे 'कॅलक्यूलेटेड रिस्क' आम्ही घेतली आणि ओळखीच्या दुकानदारांशी चर्चा करून 'बिझनेस' करण्याचे बाळकडू घेऊन आत्मविश्वासाने मैदानात उतरलो. वस्तूंच्या किमती, विशेष सवलती, प्रतिस्पर्ध्यांच्या हालचाली, मोक्याची जागा मिळवणे अशा बऱ्याच कामगिऱ्या आम्ही सगळ्या जणींनी वाटून घेतल्या. त्याचबरोबर महाविद्यालयाचे आणि स्पर्धेचे नियम पाळून खिलाडुवृत्ती टिकवृन ठेवणे हेहि एक मोठे आवाहनच आमच्यासमोर होते. स्पर्धा जसजशी

जवळ येत होती तसतशी आमची कल्पनाशक्ती भराऱ्या घ्यायला लागली, स्पर्धेचे दोन दिवस तर साऱ्याजणी तहानभुक हरपुन कामाला लागलो होतो. सर्वांचे भाग्य म्हणजे स्पर्धेचे उद्घाटन हे कॉसमॉस कॉ. ऑप. बँकेचे अध्यक्ष मा. श्री. कृष्णकुमार गोयल यांच्या शुभहस्ते होणार होते व त्यांचे अमूल्य मार्गदर्शन आम्हाला लाभणार होते. सुरेख सजवलेल्या आणि 'रेड कार्पेट' अंथरलेल्या मांडवात पाउल टाकताच सर्व स्पर्धकांनी प्रसन्न मनाने आणि जोमात स्टॉल्स मांडायला सुरुवात केली. सजवलेला मांडव आणि 'रेड कार्पेट' पाहून येणारा प्रत्येक जण आनंदित होत होता. उद्घाटन समारंभाच्या भाषणात मा. श्री. गोयल सरांनी, तरुणपणी पाहिलेल्या स्वप्नांना त्यांनी कशाप्रकारे कष्टाची आणि मेहेनतीची जोड दिल्यावर चांगले फळ मिळाले याची गोष्ट सांगितली, सध्या कॉसमॉस बँकेत नवीन उद्योजकांसाठी तयार करण्यात आलेल्या विविध सोयी सुविधांची माहिती दिली. एका इतक्या मोठ्या व्यक्तीकडून थेट भाषण ऐकायला मिळाले हे खरच आमचे मोठे भाग्य होते. सर्व स्टॉल्सना भेट देताना मा. श्री. गोयल सरांनी आमच्या स्टॉलवर काही मासिके खरेदी केली, त्यांनी दिलेली नोट देखील आम्ही आठवण म्हणून जपून ठेवली आहे.

स्पर्धेचा उद्घाटन समारंभ पार पडल्यानंतर गर्दी वाढायला लागली, स्टॉलचे नाव वाचूनच मुलींचे पाय आपसूक आमच्याकडे वळले, 'मॉडर्नची तुळशीबाग'. 'बिझनेस टॅलेंट सर्च कॉम्पिटीशन' मधील पूर्वानुभव गाठीशी असल्याने सर्वांना एकावेळी सांभाळणे आम्हाला फारसे कठीण गेले नाही. खरेदी झाल्यावर प्रत्येकीच्या चेहऱ्यावर समाधान आणि आनंद दिसत होता, सर्व प्राध्यापकांनीही स्टॉलला भेट दिली व पाठीवर कौतुकाची थाप हि. दुसऱ्या दिवशी पण बरीच गर्दी झाली, आदल्यादिवशी आलेल्या बऱ्याचजणी दुसऱ्या दिवशीही आवर्जुन खरेदीसाठी आल्या व तेवढ्याच समाधानाने आणि आनंदाने परत गेल्या तेव्हाच खरी आम्हाला आमच्या कष्टांची पोचपावती मिळाली., 'टार्गेट कस्टमर' म्हणून मूलींना डोळ्यासमोर ठेऊन आम्ही वस्तू खरेदी केल्या होत्या पण मुलींची गर्दी ओसरल्यावर मुले देखील आमच्या स्टॉलवर बहिणींसाठी, मैत्रिणींसाठी खरेदीला आवर्जुन येत होती. स्पर्धेच्या पहिल्याच दिवशी 'बेस्ट बिझनेस ड्रेस' अशीही एक स्पर्धा होती, प्रत्येक स्टॉलच्या गटप्रमुखाने स्टॉलला व विकणाऱ्या वस्तूला साजेसा पेहेराव करून एका मिनिटात आपल्या स्टॉलबद्दल जास्तीत जास्त माहिती सांगायची होती.

'व्यापार मेळा २०१५' मध्ये यावर्षी तब्बल पंच्याहत्तर स्टॉल्स मांडण्यात आले होते, उद्घाटनाप्रसंगी प्राचार्य डॉ. झुंजारराव सरांनी पुढील वर्षी शंभर स्टॉल्स मांडण्यात येतील असे वचन दिले आहे आणि आमची खात्री आहे सरांकडून ते नक्की पूर्ण होईल. दर्शनी, नित्या, नीलिमा, विनायक, शुभम 'कॉमर्स असोसिएशन' साठी काम करणाऱ्या सर्वच स्वयंसेवकांनी झोकून देऊन काम केल्याने स्पर्धा यशस्वी होण्यात त्यांचा देखील मोठा वाटा आहे म्हणाल तर अतिशयोक्ती ठरणार नाही. स्पर्धेच्या सांगता समारंभाला प्रा. पद्माकर चिरपुटकर सरांची प्रमुख उपस्थिती होती त्याचप्रमाणे प्रोग्नेसिव्ह एज्युकेशन सोसायटीचे कार्यवाह प्रा. शामकांत देशमुख सर देखील आवर्जुन उपस्थित होते. महाविद्यालयाकडून विविध संस्थाना आमंत्रणे देण्यात आली होती, त्यासर्वानीही स्पर्धेचे भरभरून कौतुक केले. स्पर्धेच्या दोन दिवसांच्या कालावधीत जवळजवळ सात हजार लोकांनी उपस्थिती लावली जी लक्षणीय होती. पहिल्या दिवशी मांडव रचनेत बारीक त्रुटी राहिल्याने काही विद्यार्थ्यांच्या स्टॉल्सवर त्याचा परिणाम झाला परंतू दुसऱ्या दिवशी प्रा. डॉ. गायकवाड सरांनी त्या त्रुटी दूर केल्याने त्याचा आम्हा सर्वच स्टॉल धारकांना मोठा फायदा झाला. एकूणातच आम्ही विद्यार्थ्यांनी जे पैसे गुंतवले होते ते आम्हाला घत्त्वशीत नफ्यासकट परत मिळाले आहेत त्यामुळे आमचा स्वत:वरील आत्मविश्वास खुप उंचावला आहे.

'व्यापार मेळा' हि स्पर्धा जो उद्देश डोळ्यासमोर ठेऊन आखण्यात आली होती, आम्हा सर्वजणींच्या मते तो उद्देश पूर्णत: सफल झालेला आहे. आमच्यातल्या उद्योजकाला वाव तर मिळालाच पण त्याचप्रमाणे कॅलक्युलेटेड रिस्क घेणे, परिस्थितीनुसार झटपट निर्णय घेणे, टिमवर्क ते आकर्षकरीत्या स्टॉलची मांडणी करणे, आलेल्या प्राहकांना कौशल्याने हाताळण्यापर्यंत बरेच काही आम्ही स्वानुभवातून शिकलो.

तरी दरवर्षी यापद्धतीच्या स्पर्धा व्हाव्यात अशी मागणी व 'व्यापार मेळा' आयोजित केल्याबद्दल महाविद्यालयाचे मनापासून आभार !

	(विडंबन काव्य)
विकणे हाचि पर	
वेकणे हेचि पर	म कर्म,
विकणे हेचि मान	नावे मर्म
संस्कृतीचे.	
विकणे ही	व असे युक्ती,
विकणे ही	व असे शक्ती,
विकणे ही	व मानावी भक्ती
अर्थदेवाची	
नाना रंगांचा मा	ल हवा ः
कोणी हिरवा, ल	नाल, धवा,
कोणी नारिंगी व	होणी भगवा
विकिती सत्तेसात	डी.
- मंगेश	पाडगावकर (उदासबोध)

ई-कचरा व्यवस्थापन

(अनिकेत प्रमोद फडतरे (T.Y.B.Sc.- Zoology)

"तंत्रज्ञान विकासावर भर देताना तंत्रज्ञान सामग्रीचा होणारा मोठ्या प्रमाणावरील वापर आणि त्यातून निर्मित झालेला ई-कचरा यांची सांगड घालणे कठीण झाले आहे. यामध्ये सामाजिक जागरूकता नसणे हे प्रमुख कारण आहे. ई-कचऱ्यामुळे केवळ पर्यावरण समस्या निर्माण होतात असे नाही, तर ई-कचऱ्याचा दुष्परिणाम मानवी व प्राणी आरोग्यावर होतो. यासाठी जैव-तंत्रज्ञानाची अत्यंत गरज आहे. याद्वारे ई-कचरा व्यवस्थापन व्यवस्थित होऊ शकेल.

प्रस्तावना -

कचरा व्यवस्थापनाचा प्रश्न हा दिवसेंदिवस अतिशय गंभीर बनत चालला आहे. कोणत्याही आधुनिक समाजाच्या निरंतर विकासाची प्रक्रिया सुव्यवस्थित चालण्यासाठी आजच्या काळात मोठ्या प्रमाणावर निर्माण होणाऱ्या electronics अर्थात ई-कचऱ्याची विल्हेवाट कशी लावायची या प्रश्नाचे पर्यावरणाला पोषक असे उत्तर शोधण्याची अत्यावश्यकता आहे. संवाद साधण्याची प्रक्रिया फार जलद, अतिशय सोप्या पद्धतीने होत असल्याने, गेल्या काही वर्षांत electronics वस्तूंचा वापर फार मोठ्या प्रमाणावर होत आहे आणि तो सातत्याने वाढतच आहे. संप्रेषणाच्या नवीन ई-साधनांमुळे व्यवसायवृद्धीच्या प्रक्रियेला चालना मिळत आहे. तसेच रोजगाराच्या संधीमध्ये वाढत होत आहे; परंतु फायद्यावरोबर काही नुकसानही होत आहे. वाढत्या ई-कचऱ्याचे कराचये काय हा प्रश्न आता समाजापुढे आज ज्वलंत बनला आहे. आता लवकरच हा प्रश्न योग्य रीतीने सोडवला गेला नाही तर पर्यावरणाला प्रचंड धोका निर्माण होण्याची

शक्यता तीव्र बनली आहे. ई-कचऱ्याच्या समस्येला काही वरवरचा तोडगा उपयोगी ठरणार नाही. कारण आगामी काळात ई-कचरा वाढतच जाणार आहे. त्यामुळे या समस्येवर पर्यावरणीय दृष्टिकोणातून विचार करून कायमच्या कृतिशील उपायांची आवश्यकता आहे.

पर्यावरणीय प्रशासनाविषयी भारत किती सजग आहे, दक्ष आहे. याची पाहणी २००५ मध्ये करण्यात आली. पर्यावरण निर्देशांकांनुसार भारत क्रमांक १०१ वर होता या अहवालानुसार भारताचा score ०.१० इतका होता. आता ज्या पद्धतीने ई-कचऱ्याचे व्यवस्थापन देशात केले जाते, त्यावरून भारतात पर्यावरणाच्या नियमाअंतर्गत फक्त काही प्रमाणात काम केले जाते, असे या पाहणीत लक्षात आले आहे. याचाच अर्थ ई-कचऱ्याचे व्यवस्थापन देशात नियमानुसार शंभर टक्के असे अजिबात नाही.

ई-कचऱ्यातील घटक -

वेगवेगळ्या इलेक्ट्रॉनिक साधनांमध्ये किंवा वस्तूंमध्ये वेगवेगळे घटक असतात. साधनांच्या प्रकारानुसार त्यामध्ये घटकांचा समावेश असतो. माहिती तंत्रज्ञान क्षेत्रात दिवसेंदिवस बदल होत आहे. त्याचबरोबर नवनवीन software प्रकारांतही बाजारात येत आहेत. electronics कचऱ्यामध्ये सर्वसाधारणपणे धातू, प्लॅस्टिक आणि रसायने याचे ४०:३०::३० असे प्रमाण असते. १९९१ च्या पाहणीनुसार धातूच्या कचऱ्यामध्ये तांबे (२०%), लोखंड (८%), टिन (४%), निकेल (२%)

ज्या electronics वस्तूंचा वापर केलेला असतो, त्यांचाच ई-कचरा तयार होतो. यामध्ये घरगुती उपकरणे यांचाही समावेश होतो. फेकून दिलेल्या वस्तूंमधील काही घटक वापरण्योग्य असतात, त्यामुळे या घटकांचा फेरवापर केला जात असतो. computer, cellular phone, त्याचबरोबर रेफ्रिजरेटरसारख्या मोठ्या घरगुती वापराच्या वस्तू, वातानुकुलित संयंत्रे यामध्ये वापरले जाणारे

> अनेक घटक ई-कचऱ्यात असतात. साधारणपणे ई-कचरा हा भंगार तसेच फेरवापरासाठी एकत्रित केलेल्या ठिकाणी असतो. बऱ्याच वस्तू त्टलेल्या, मोडलेल्या असतात. वापरण्यायोग्य नसल्यामुळे त्या टाकून दिलेल्या असतात. अशा वस्तूंमधील धातूचा भाग भंगारवाले काढून घेतात. कारण त्यातील धातूला थोडीफार किंमत मिळते. मात्र electronic वस्तुंमध्ये मोठ्या प्रमाणावर रासायनिक द्रव्येही वापरली

जातात. उदाहरणार्थ cellphone मध्ये वेगवेगळी ४० रसायने असतात. ई-कचऱ्यामध्ये सर्वांत जास्त प्रमाण स्टील, तांबे, ॲल्युमिनियम, टिन, शिसे, निकेल इ. असते.

ई-कचरा कशा पद्धतीने तयार होतो त्याची वर्गवारी W-EEE नेही आकडेवारी सन २०१२ मधे जाहीर केली आहे.

१) घरगुती उपकरणे, २) माहिती आणि दूरसंचार तंत्रज्ञानासाठी वापरणारी उपकरणे. ३) इलेक्ट्रॉनिक्सचे ग्राहक.

भारतातील ई-कचऱ्याची निर्मिती -

संपूर्ण जगाचा विचार केला तर वाढते. computer आणि T.V. यांच्यामुळे ई-कचरा सातत्याने वाढत आहे. हे प्रमाण आता गंभीर होत आहे. इंटरनॅशनल असोसिशन ऑफ इलेक्ट्रॉनिक्स रिसायकलर्स याची सन २००६ मध्ये पाहणी आणि अभ्यास करून एक अंदाज व्यक्त केला होता. त्यानुसार जगामध्ये २०१६ पर्यंत ३ अब्ज इलेक्ट्रॉनिक्स उपकरणांचे रूपांतर ई-कचऱ्यात होईल. म्हणजे २०२० पर्यंत सरासरी ४०० दशलक्ष उपकरणे ई-कचरा बनतील.

संदर्भ - योजना मासिक, इंटरनेट

RRR

कसं सांगू तुला, हेच कळत नाही मला...

कसं सांगू तुला, हेच कळत नाही मला... तू दुसऱ्यांसाठी नसशीलं गं छान... पण तुला पाहिल्यावर मी तर विसरतो माझेच भान कसं सांगू तुला, हेच कळत नाही मला... दिसण्यावर नसतं रे, खरंच... काही... म्हणूनच तुझा स्वभाव हाच माझ्यासाठी सर्व काही.... भाऊ म्हणू नकोस, मी भाऊ तुझा नाही... Please समझ ना, As a Friend सारखं काही... कसं सांगू तुला, हेच कळत नाही मला... प्रेम खूप आहे तुझ्यावर, पण सांगता येत नाही... कसं सांगू तुला, हेच कळत नाही... मित्र म्हणतात, राहूल हे काहीच चांगलं नाही... पण प्रत्यक्षात प्रत्येकाचे काही ना काही मॅटर (matter) कोणीच सज्जन नाही, कोणीच सज्जन नाही... कसं सांगू तुला, हेच कळत नाही मला... Chemistry च्या Reaction पेक्षा जास्त प्रेम देईन गं तुला... फक्त सकदाच 'हो' म्हण मला, फक्त रकदाच 'हो' म्हण मला...

- राहूल विजय काळे (S.Y.B.Sc.)

स्रीपाळा म्हणे मन भेटूनि ये आकाशाला पण विसरू नको धरती मातेला मोठ्या उमेदीने गेला झोपाळा आकाशातल्या देवांनी घातल्या असंख्य माळा संदेश रकच... मिळव कीर्ती गगन स्पर्शाची असू दे जाणीव मातीच्या ऋणानुबंधाची जाताना सत्कीर्तीच्या विशेला लक्षात ठेव परतीच्या वाटेला होलताना चढ-उतार जीवनातले घट्ट असू दे झोपाळ्याचे धाने आशेने वाट पाहतंय 'आपलं' कुणीतरी मागे - ज्योत्मा हुलबट्टे (S.Y.B.Com.)

मन त्या ग्रंथात मखमली मन माझे गूंतते या यंथांत कितीही करता प्रयत्न न परते या जगात यंथांत जणू त्याला सारे विश्वची सापडते र्यथांत जाऊन डुंबून मन त्यातील सक पान होते यंथांतील आशयाने मन कधी दुःखी तर कधी उल्हासित होते त्या यंथरूपी देवाला पाहन ते नम्र अभिवादन करते ग्रंथाला पाहून मन साऱ्या विश्वाला भूलते ते ग्रंथांत, ग्रंथांतील ज्ञानात विलीन होऊन जाते. - चोरघे शेखर दिलीप (F.Y.B.A.)

एक था मालिण...

सनेहलता विराघवन (T.Y.B.A. Hindi Special)

annannannan <u>COC</u> maannannannannan

३० जुलै २०१४ यह दिन मालिण गाँव का आखरी दिन हो जाएगा । ऐसा किसीने कभी सोचा भी नहीं था । लेकिन इस दिन की दुर्घटना ने कई लोगों की जाने ली । यह दुर्घटना सुबह ८:३० बजे हुई । इस दौरान पूरा पहाड़ नीचे गिर गया । यह घटना कुछ ही सेकंद की हो जाने से लोगों को घरों से बाहर जाने का भी समय नहीं मिला । इस घटना के अगले दिन बहुत बारिश हो गयी थी और जब यह घटना घटी उस समय भी बहुत बारिश हो रही थी । ज्यादा बारीश की वजह से नदीं में भी बाढ़ आ गयी थी । ज्यादा बारिश आने की वजह से लोगों के खेतों में भी पानी घस गया था ।

इस गाँव में करीब ७० से ८० तक घर थे। पूरा पहाड़ इस गाँव के ऊपर आ के करीब-करीब १५ से २० फुट तक सभी घरों को नीचे दबा दिया। लोगों की जाने भी भारी मात्रा में ली। ज्यादा बारिश के कारण वहाँ मलबा बन गया जिसके कारण जो भी यंत्रणा लायी गयी थी उन्हें काम करने में बहुत दिक्कत आ रही थी। वहाँ कुछ ही सेकंदों में बहुत सी लोगों की जाने गई। शायद दूसरे दिन काफी जाने बचती अगर बारिश नहीं होती। नदी की बाढ़ देखने करीब २५ लडके गए थे और वे बाढ़ देखने के बाद वहाँ के मंदिर में जाके रुके वह मंदिर हनुमानजी का था और उस घटना में वे सभी लड़के वही मंदिर में दब गए।

इस घटना ने ज्यादा तर स्त्रियों और बच्चों की जाने ली। इस गाँव की लोकसंख्या करीब २०० से २५० तक थी। लेकिन उसमें १५१ लोग मारे गए। बहुत कोशिश करने के बाद भी यंत्रणा ज्यादा लोगों की जाने बचा नहीं पायी। फिर भी उस यंत्रणा से बहुत-से लोगों को बाहर निकालने में सरकार को सफलता मिली। यह काम बिना रुके एक हफ्ते तक चलता रहा। कुदरत का



करिश्मा यह है कि उस घटना में एक घर में एक औरत अपने बच्चे . को पास लेकर ८ घंटो तक उस बंद घर में बैठी रही । उस बच्चे की आवाज से लोगों ने उस औरत और बच्चे को सही सलामत बाहर निकाला वह बच्चा ३ महिने का था ।

इस गाँव में झांजरे, दांगट, लेंभे, पोटे इस नाम के लोग रहते थे। हम सोच भी नहीं सकते लेकिन एक एक घर में दस से ज्यादा लोग मारे गए। कुछ-कुछ लोगों के घर में तो एक भी आदमी नहीं बचा। किसी आदमी का शव पूरा निकल रहा था तो किसी आदमी के हाथ, पाँव और सर अलग-अलग हो कर मिल रहे थे। इस वजह से आदमी की पहचान करना, ज्यादा मुश्किल हो गया था। ज्यादा से ज्यादा शव इतने खराब हो गए थे कि घरवालों को पहचान करने में दिक्कत आ रही थी। शव बाहर निकालने का काम बिना रुके चल रहा था।

सरकार ने परिवार वालों के साथ-साथ वहाँ पर जितने भी लोग थे सबके खाने, पीने और कपड़ों की व्यवस्था की । शवों की हालत ज्यादा खराब होने से सरकार ने शवों की पहचान होते ही उन्हें जलाने का निर्णय ले किया । शवों को जलाने का इंतजाम, जैसे लकड़ियाँ और मिट्टी का तेल मँगवाया । कुछ दिन बाद शवों की पहचान भी नहीं हो पा रही थी । जितने भी लोग बच चुके थे उनकी रहने की व्यवस्था आसाणे गाँव की आश्रम पाठशाला में की गयी थी । वहाँ उन लोगों का पुरा ध्यान रखा गया था ।

आपत्तियस्तों को पाँच-पाँच लाख रुपये एक इन्सान के पीछे मंजूर किए गए हैं सरकार की तरफ से और इस घटना की खबर जैसे ही दूसरे गाँव में या शहरों में पता चली वैसे ही काफी लोगो ने अपनी ओर से मदत की । पूरे देश में जैसे ही इस घटना की खबर मिली मानो लोगों के पाँव तले की जमीन खिसक गई । सरकार ने आपत्तियस्तों का पुनर्वसन करने का वादा किया है । जहाँ वह लोग चाहते हैं वहाँ सरकार उनका पुनर्वसन करेगी क्योंकि इस जबरदस्त हादसे के बाद लोगों का वहाँ रहने का मन

नहीं है ।

लेकिन बहुत दु:ख की बात यह हैं कि हमारे भारत देश के महाराष्ट्र राज्य में आंबेगाव तालुका के मालिण गांव का नाम हमारे नक्शे में आज से नहीं रहेगा। उस गाँव में अब किसी बच्चे की आवाज नहीं सुनाई देगी। लोग दिखाई नहीं देंगे। वह गाँव एक शमशान घाट जैसे बन गया है। लोग कहते हैं कि हम अगर यहाँ रहेंगे तो अपनों

की यादे हमेशा आती रहेंगी। जहाँ हमारे अपने हमारी आँखों के सामने गए। यह बात भूलने जैसी भी नहीं लेकिन जिससे यहाँ पुनर्वसन नहीं चाहिए।

इस घटना के बारे में सुनकर आज भी हमारी आँखों में पानी और बदन पर रोंगटे खड़े हो जाते हैं क्योंकि ऐसी घटना दुनिया में पहली बार हुई जिसके कारण लोगों को अपनी और बच्चों की जान बचाने का जरा भी समय नहीं मिला । इस घटना की खबर पूरे देश में ही नहीं बल्कि देश के बाहर भी पहुँच चुकी है । और वहाँ से भी इसके लिए मदद मिली है ।

उस घटना के दस वे दिन पूरे गाँव का दशक्रिया विधी संपन्न हुआ । उस गाँव में उसी जगहपर स्मारक बनाने का फैसला किया गया है और उसके लिए १ करोड ९० लाख रुपये मंजूर हुए है । वह गाँव देखने के लिए अभी बहुत भीड़ होती है । सरकार ने बहुत मात्रा में उन लोगों की मदद की है ।

RER

Ser.	
	सुन लो बात ये
All and a second	
Total In	खोलो राज ये, सुन लो बात ये
御日本	अब तुम ही अभी
and a star	दे दो रहसास ये
aller a	ना कोई ख्वाईश मेरी
ting the second	ना कोई मंज़िल अभी
and a second	अकेला में अब और अकेली तुम ही सही
tin a	तेरी पनाह में डूबा दिल ये मेरा
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-	हूँ अधूरा तेरे बिना
And And	तेरा ही सहसास मुझे होता है सदा
And a	आ जाओ अब मेरे सजन,
and a start	राह देखते थकते हैं नयन
and	अब ना और जी पार्सेंगे
and a	मर्जी रुब की या तेरी
Carlan -	इस आहट में रोसा
Change and	कुछ कर जासँगे
A.	तुम ढुँढती रह जाओगी, हम दूर चले जासँगे ।
and a	खोलों राज ये, सुन लो चात ये
And and	अच तुम ही अभी
A.	दे दो सहसास ये !
and	- रियाज शौकत मकांनदार (S.Y.B.A.)
Alex	



छोड़कर तुझे जाते वक्त
तुझे छोड़कर जाने का दुःख
हमेशा मुझे सताता चहेगा
बहुत कछ दिया और
बहुत कुछ लेकर जाऊँगा ।
यादों का बोझ साथ लेकर
सुख के मोती देकर जाऊँगा
आँसू अनज़ाने में तेरे बहते वक्त
में लंबों पे स्मितहास्य छोड़कर जाऊँगा ।
भविष्य के संपने देखते वक्त
में भूतकाल को याद कर्फेंगा
जाते - जाते सक बार तुझे
आँखे भरकर देखता जाऊँगा ।
अकेले में तेरे ही लष्ज
में बार बार लिखता रहूँगा ।
सताया है मैंने तुझे
बहुत-बहुत दूर चला जाऊँगा ।
कद्र नहीं थी मेरी मुझे
भूलना मुझसे नहीं होगा
जंब भी अकेला रहुँगा ।
तेरी यादों में रोता रहूँगा ।
आँखे भर आसगी जब तेरी
मेरी बातें तुझे याद आरगी
में पास नहीं हूँगा तेरे, पर
मेरा रहसास तुझे सताता रहेगा ।
- उदय चिमा बेंढारी (S.Y.B.A.)

नए तकनीक से लाभ तथा हानि

(सोनिया संजय भाट (F.Y.B.A.)

जिस प्रकार हम आत्मा से शरीर को जीते जी अलग नहीं कर सकते । उसी प्रकार हम नए तकनीकों से याने की नए इलेक्ट्रॉनिक उपकरणों से खुद को जुदा नहीं कर सकते ।

पुराने जमाने में सबसे पहले रेडिओ का आगमन हुआ। तब रेडिओ यह चीज लोगों के लिए इतनी नयी थी कि जब सुबह या शाम सात बजे लोगों के कानों पर समाचार सुनाई देते तब लोग बहुत ही आश्चर्यचकित होते थे। उन्हे लगता था की इतने से छोटे डिब्बे में वो समाचार सुनानेवाले कैसे बैठते होंगे ? उनके मन में ये सारे विचार तब आते थे जब कि उस समय किसी भी शिक्षा का प्रचार नही हुआ था इसलिए उन्हें भी नहीं पता था कि वह समाचार सुनानेवाले कही और दूर बैठकर समाचार प्रस्तुत कर रहे हैं और सिर्फ उनकी आवाज रेडिओ के माध्यम से हमें सुनाई देती है।

उसके बाद शिक्षा का प्रसार बड़ी तेजी से दुनिया में हो रहा था। इस नई तकनीकों के बारे में लोगों की रुचि बढ़ने लगी। जैसे-जैसे नए उपकरण आने लगे वैसे-वैसे रॉकेट, हवाई जहाज, हेलिकॉप्टर जैसी सभी चिजों का इस्तेमाल मानव बड़ी आसानी से करने लगा। हमारी धरती से बड़े-बड़े रॉकेट, ऊपर आकाशमंडल में छोड़कर यह पता लगता है कि हमारी धरती जैसी एक ग्रह है, उसी प्रकार चाँद, सूरज, मंगल ये सब ग्रह दूर होते हुंए भी वहाँ चल रही हलचल हमें कॅमेरे के माध्यम से झट से पता लगती है।

हमारी दुनिया १००% में से ९०% विज्ञान (Science) से बन चुकी है और १००% ही अन्य माध्यमों के लिए बची हुई है। इसी विज्ञान के नए तकनीकों की वजह से लोग एक ग्रह से दूसरे ग्रह पर जा सकते हैं। आज की दुनिया में तो हर एक बात के पीछे कहीं ना कहीं विज्ञान जुड़ा होता दिखाई देता है। वैसे भी ये सभी तो बहुत बड़ी चीज़े है, कि उन्हे लोग हर रोज के व्यवहार में इस्तमाल नहीं करते।

लेकिन टेलिफोन, मोबाईल, गाड़ियाँ, कम्प्युटर, टेलिव्हिजन, लॅपटॉप ये सभी ऐसी चीजे है कि लोग इन सभी चीजों के बिना पलभर भी नहीं जी सकते । हमारे देश में जितना कि टेलिफोन का प्रसार हुआ नहीं था उतना मोबाईल का प्रसार पिछले दशक में हुआ हमें दिखाई देता है । मोबाईल भारतवासियों की बहुत अत्यावश्यक चीज बन चुकी है । मोबाईल यह चीज वायरलेस है इसलिए उसका इस्तेमाल हम बडी आसानी से कर सकते हैं ।

मोबाईल के जितने भी लाभ है उतना ही हानि का परिमाण भी

बहुत ज़्यादा है । आजकल महिलाओं पर होनेवाले अत्याचार बड़े भयानक लगने लगे हैं । ये सभी मामलें न हो इसलिए कई मोबाईल कंपनियों ने, बड़ी-बड़ी संस्थाओं ने नए Application का निर्माण किया है । उसका इस्तेमाल करते हुए साबित हुआ कि इस नयी तकनीक का इस्तेमाल करने के बाद, शहरों में होनेवाले अत्याचार कम होते हुए दिखाई देते हैं और उसकी वजह से चारों ओर फैले भयानक दरिंदे बड़ी आसानी से पकड़े जाते हैं । मोबाईल से कभी भी, कही भी, जल्द बातें हो सकती है । लेकिन कई बड़े-बड़े शहरों में ऐसा दिखाई देता है कि जिस प्रकार फूल से मधुमख्खी एकदम से चिपकी है, उसीप्रकार आज का मानव इन नई तकनीकों को चिपका दिखाई देता है जब कि यह गलत बात है ।

CONNENSION

यहाँ तक की खुद का सुंदर अनमोल सा जीवन भी मोबाईल की वजह से दुर्घटना के माध्यम से गँवा देना पड़ता है। ऐसा चित्र हमें रास्ते पर चलते हुए हमेशा दिखाई देता है।

पुराने जमाने में घरों में माँ अपने बच्चे को सुंदर सी लोरी सुनाकर सुलाती थी। अच्छी-अच्छी कहानियाँ सुनाती थी। परंतु आज तो बच्चे भी कोई नयी फिल्म का गाना मोबाईल या टेलिक्ठिजन पर ना सुनो तो वो आसानी से सोता नहीं। कॉलेज में पढ़नेवाले छात्र मोबाईल का सरे आम इस्तेमाल करते हुए दिखाई देते हैं। घंटों-घंटों तक छात्र मोबाईल पर बाते करते हैं। क्लास मे, ग्राऊंड में संभाषण करते दिखाई देते हैं। कुछ सेवाभावी संस्थाएँ और यातायात विभाग, शासन इनकी तरफ से मोबाईल का उपयोग किस तरह करना चाहिए इसके लिए जनजागृति जनता में करते रहते हैं।

आमतौर पर सुबह जल्दी उठकर ऑफिस, स्कूल या कॉलेज जाना, वहाँपर भी कम्प्युटर पर काम करना और मोबाईल का इस्तमाल करना । वहाँ से भी घर वापस आते वक्त खुद के वाहन पर आना और फिर घरसे वापस आने के बाद मोबाईल के ''मेसेज चेक'' करना या ''चॅटिंग'' करना अथवा दोस्तों के साथ गप्पे लडाना या फिर टेलिव्हिजन देखना यही दिनक्रम सामान्य लोगों का होता है । फिर इसी बर्ताव के कारण मानव अपना आत्मिक संतुलन खो बैठता है । वह खुद के दिमाग पर जोर देकर कोई विचार नहीं करना चाहता । हमेशा दूसरोंपर भरोसा करता है । फिर वह गलत भी क्यों ना हो !

अब टेलिक्हिजन को ही देखा जाए तो, टेलिक्हिजन सबसे जादा घरेलु औरतें देखती है। हर आधे घंटे में नया धारावाहिक लगा



रहता है। मालिका लगी रहती है। घर के कामों का बोझ हलका करने के लिए मनोरंजन के रूप में धारावाहिक देखती है। अब टेलिव्हिजन यह उपयुक्त भी है, और इससे हानि भी है।

आमतौरपर फिल्में या धारावाहिकाओं में ज्यादातर संघर्ष की प्रतिमाएँ दिखाई देती है । कई चैनलों पर बॉक्सिंग जैसे मारने-पीढने के धारावाहिक दिखाई पड़ते हैं । लेकिन इन्हें सिर्फ मनोरंजन के हेतु देखना चाहिए । कई ऐसे चैनल होते हैं कि उनसे हममें श्रद्धाभाव, प्रेरणा, उत्साह मिलता । आजकल तो अस्पतालों में भी ऐसी कुछ नई तकनीके आ गयी है कि उनका इस्तेमाल बड़ी तेजी से हो रहा है । लेकिन ऐसी कई चीजे हैं कि उनका इस्तेमाल बुरे तरीके से हो रहा है । जैसे की गर्भालंग को बतानेवाले नई मशीन का उगम हुआ था । लेकिन उसका इस्तेमाल अगर लड़की हुई है तो उसकी गर्भपात कर देते हैं । इस तरह का बुरा असर भी लोगोंपर पड़ता हमें दिखाई देता है ।

लोग इतनी जल्दी नई तकनीकों से जुड़ गये है कि वे अपना काम अपने हाथ से करना ही नहीं चाहते । इन सभी करतूतों की वजह से आदमी अपना मानसिक संतुलन खो बैठता है । वह कभी-कभी बेचैन हो जाता है । हम यह बात मान चुके हैं कि हमारी दुनिया विज्ञान की दुनिया बन चुकी है । हर एक चीज विज्ञान से जुड़ी हमें दिखाई देती है । लेकिन यह बात अच्छी भी है, और बुरी भी । अच्छी इसलिए क्योंकि कई देशों में नए विद्युत साधन या कोई नई तकनीके साधन बनती हैं बनाई जाती हैं, और हम उसका इस्तेमाल बड़ी-बड़ी कठिन चीजों को आसान बनाने के लिए करते हैं । बुरी बात इसलिए ये सब हम से देखते है कि इनका इस्तेमाल करने बाद हमारी धरती कुरूप बनती जा रही है । इसलिए हमें इस बात का हमेशा ध्यान रखना चाहिए की ऐसी कोई चीजें इस्तेमाल करने के बाद इधर-उधर ना डाली जाएँ ।

• क्योंकि.....

हमारी धरती बड़ी दयालू है, और वो इन सभी चीजों से तंग आ चुकी है । वह यह सब नहीं सहन कर पाएगी क्योंकि वह माँ है हम उसके बच्चे हैं ।

RRR

दुष्कर्म

वो काली हैवानियत भरी रात कुछ मर्दी की हैवानियत भरी बात मासुमियत भरी निगाहें लिस साथ संपूर्ण तन ढका, गोरा, मुखड़ा और गोरे दोंनो हाथ चुपचाप गुजरी वो गलियों से उसे क्या पता था कि होनेवाली है दुष्कर्म की शुरूआत उसी के साथ

आगे और भयानक व हुई रात पाँच परछाईवाँ भी चलने लगी उस रक परछाई के साथ कदमों की गती होती गई तेज साथ-साथ उसे निहारने लगी पाँचों जोड़ी आँख सहमी हुई सी थी वो समझ गई अब होगी दुष्कर्म की शुरुआत

चीख सुनकर भी किसीने न सुनी उसकी बात पाँचों परछाईयों में ही लिपट गई उसकी रात किसी ने भी न बढ़ाया मदद के लिस हाथ आखिर दुपट्टे ने भी छोड़ दिया बदन का साथ टुकडे - टुकडे उसकी इज्जत के रक्त में बहा दिस तब हुई पाँचों आत्मार्स शांत रेसे हुई दुष्कर्म की शुरुआत

अस्तित्व खत्म हुआ उसका आखिरी आँसू के साथ स्त्री की इज्जत पर लगा काला लॉछन उसी काली रात रेसे हुई दुष्कर्म की शुरूआत रेसे हुई दुष्कर्म की शुरूआत...

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आज आप कहाँ है, कितने पढ़े-लिखे है यह महत्त्वपूर्ण नहीं है । महत्त्वपूर्ण यह है कि हमें जाना कहाँ है । यानें हमारा सपना कितना बड़ा है और हम उसके लिए क्या करतें हैं । सपने देखना बुरी बात नहीं है । सपना पूरा ना होना भी बुरी बात नहीं हैं । बुरी बात तो तब है जब सपना ही ना हो । सपने देखना और सपना सच करना ही सबसे बडी ताकद होती है। लेकिन वे सपने तब तक अधूरे हैं जब तक हम उनतक पहुँचने का सहीं रास्ता नहीं चुन पाते । आज आप क्या है यह महत्त्वपूर्ण नहीं है। महत्त्वपूर्ण तो यह है कि हमारे सपनों तक पहुँचने का मार्ग हमने ढुँढ लिया है या नहीं। अगर सपनों को पूरा करने की हम कोशिश ही ना करे उन्हें आधा-अधुरा ही छोड़ दे तो क्या फायदा । एअरपोर्ट पर हवाई जहाज सुरक्षित होता है, लेकिन वह एअरपोर्ट पर खड़ा करने के लिए नहीं बनाया जाता। वैसे ही सपना देखना ही हमारा काम नहीं है, उसे पुरा करना भी हमारा फर्ज है। चाहे कितनी भी मुश्किल क्यों ना आए, हमें फिर भी कोशिश करते रहना चाहिए। कोई भी काम तब तक कठिन है, जब-तक उसकी शुरुआत नहीं की जाती । इसलिए हमें पहले शुरुआत करनी चाहिए । शुरुआत करने के बाद हर काम आसान है। मतलब जो काम करने से हम डरते हैं वह काम करना हम शुरू करे तो डर अपने आप भाग जाएगा। इसलिए हमें पहले काम के बारे में सोचना चाहिए उसके परिणामों के बारे में नहीं । हम पहले परिणाम के बारे में सोचते हैं इसलिए काम को पुरा नहीं कर पाते। हम कोई धोखा ही नहीं लेना चाहते । धोखा न लेना ही सबसे बडा धोखा होता है।

कोई भी आदमी परिपूर्ण नहीं होता हर किसी में कुछ ना कुछ कमजोरी होती है । साधारण लोगों की वह कमजोरी होती है कि वे किसी काम को महत्ता देना कभी समझ नहीं पाते । जब जो करना है सो उसी वक्त करना है, इसे वे नहीं जानते है और वक्त निकल जाने के बाद फिर रोते बैठते है। ज्यादा तर आम लोग एक दिशा में सोचते हैं, बल्कि कुछ खास लोग वही बात पर अलग तरह से सोचते हैं और अपने काम में बहुत आगे निकल जाते हैं । इसलिए अपने काम को पूरा करने के लिए हमें खाली नहीं बैठना चाहिए । उल्टे जितना भी वक्त खाली मिलें उस वक्त को उपयोग में लाना चाहिए । यह बात जिनकी समझ में आती है उनकी जिंदगी अच्छी गुजरती है और जो इस बात को नहीं समझते वे बूढ़े होने के बाद पछताते हैं । वक्त गया सो गया । जो वक्त की कदर नहीं करता, वक्त भी उनकी कदर नहीं करता । इसलिए हमें अपने विचारों की दिशा बदलकर, कमज़ोर को प्रेरणा देकर, किसी भी एक काम को प्राधान्य देना चाहिए और वक्त पर उसे पूरा करना चाहिए ।

नजर बदल जाती है तो नजारे बदल जाते हैं, कश्ती का रुख बदला तो किनारे बदल जाते हैं।

इसलिए सिर्फ सोचने की दिशा बदलों तो दशा बदल जाएगी।

लेकिन कुछ लोग होते ही आधे-अधूरे, वे हर काम आधा-अध्रा करकें रखतें हैं । हर काम बीच में छोड़ देते हैं । किसी भी काम को पुरा नहीं करतें। अगर कोई काम हाथ में लिया है तो उसे पुरा करने की कोशिश तो करनी चाहिए। पर वो हमारे बस का नहीं है, कहकर छोड़ देते हैं और बाद में लगता है कि हम कर सकते थे और पछताते रहते हैं। लेकिन हारने या जमीन पर गिरने के बाद हम क्या कर सकते हैं । या तो हार मानकर या गिरकर पड़े रह सकतें हैं या फिर से उठकर खडें हो सकते हैं। यह हम पर निर्भर होता है । मतलब हम कितनी बार गिरते हैं यह महत्त्वपूर्ण नहीं है, महत्त्वपूर्ण तो यह है कि हम गिरकर उठते है या नहीं । परिस्थितियो को वैसे ही आगे जाते हुए देखे या परिस्थिति का डटकर मुकाबला करे । परिस्थिति हाथ से बाहर जाने की सबसे बडी वज़ह होती है मानसिकता । जो भी इस बात को नहीं जानते वे छोटी-छोटी समस्याओं से डरकर पीछे हटते जाते हैं और असफल हो जाते हैं। हमें पहले अपने आप को बदलना चाहिए बाद में परिस्थिति अपने आप बदल जाएगी। वैसे ही किसी के लिए एक माहौल संजीवनी होती है, तो किसी के लिए जहर समान । मतलब कोई इन्सान माहौल से बन जाता है, तो कोई बना हआ भी बिगड़ जाता है। यह बात जिसकी समझ में आयी वह अच्छा माहौल बनाकर आगे बढ़ जाता है, और अनजान इन्सान बुरे माहौल के अनुसार बिगड़कर बरबाद हो जाता है । इसलिए हमें किसी माहौल में रहकर किस तरह काम करना चाहिए यह अपने आप पर निर्भर होता है । कोई भी काम करने के लिए हमें खुद पर भरोसा होना चाहिए । कोई भी काम करने लगे और हमें लगे कि यह मुझसे नहीं होगा, बिगड़ जाएगा तो वैसा ही होगा। गलती तो हर किसी से होती है सिर्फ उसी से नहीं होती या तो वह काम नहीं करता या फिर काम करने का नाटक करता है। अगर हमें यकिन है कि हम वो काम कर सकते हैं तो वह जरुर होगा। अगर हमें विश्वास है कि कोई भी काम हम कर सकते है तो दुनिया की कोई भी ताकद हमे वह काम करने से रोक नहीं

सकती जितनी बार हमारी हार होती है उतनी ही बड़ी जीत मिलती है और उतना ही ज्यादा उस काम को पूर्ण करने का समाधान । उस काम को करने के लिए संयम होना चाहिए । हमारे पास

संयम नहीं होता । हमारे पास संयम होना चाहिए । संयम न होने के कारण वे जीतते-जीतते हार जाते हैं । अगर हमें किसी भी क्षेत्र में बहुत आगे जाना है, कुछ अच्छा काम करना है तो संयम रखने की बहुत ज्यादा आवश्यकता है । लेकिन संयम वहीं रख पाते हैं जो असल में कुछ करना चाहते हैं । जिसमे कुछ कर दिखाने की ताकद है । इसलिए वे अंत तक संयम रखकर जीत जाते हैं । हमारा उदिष्ट बड़ा होना चाहिए । चाहे कुछ भी हो जाए हमें पीछे नहीं हटना चाहिए । सोते-जागते उसका ही ध्यान होना चाहिए । रास्ते में कितनी भी मुश्किलें क्यों ना आएँ हमें उनका सामना करके हमारे उदिष्ट तक पहुँचना चाहिए । हम अगर थोड़े पीछे भी रह गए तो चार कदम पीछे जाकर फिर आगे की ओर छलाँग लगानी चाहिए । हमारा उदिष्ट कैसा भी हो उसमें अहंकार नहीं होना चाहिए । अगर हममें अहंकार हो तो हमारा उद्दिष्ट कभी भी साकार नहीं हो सकता । इसलिए हमें अंत तक संयम और काम के प्रति लगाव होना चाहिए ।

अपने विचार बीज के समान होते हैं,

जिस तरह जो बीज हम बोते हैं,

वहीं फल हमें मिलता है ।

उसी तरह जो सोच हमारे दिमाग में आती है ,

वहीं फल स्वरूप हमें मिलता है।

लेकिन सब काम वक्त पर होना चाहिए। वक्त में उसे पूरा-ना कर पाए तो उस काम का क्या फायदा। समय ना किसी के लिए रुकता है ना किसी के सामने झुकता है। जो समय की कद्र करतें हैं, समय की महिमा को जानते हैं वे आगे बढ़ते हैं और जो समय के साथ नहीं बदलते हैं वे पीछे रह जाते हैं। अगर सही मौका मिला तो हर कोई अमीर बन सकता है। लेकिन बड़ी मुश्किल की बात हैं कि, यह मौका भी बड़ी मुश्किल से मिलता हैं। और मौके को पकड़कर वक्त का सदुपयोग करके जो अपना काम करते हैं वे सफल हो जाते हैं और बाकी समय के पीछे रह जाते हैं। कुछ लोग बहुत अमीर होते हैं वे नसीबवालें नहीं होते बल्कि उन्हें पता होता है कि सही वक्त पर सही काम करना चाहिए। ऐसा कहा जाता है कि लोग पैसा आने के बाद बदल जाते हैं लेकिन यह सच नहीं है, सच तो यह है कि लोग पहले बदलते हैं और बाद में उनके पास पैसा आता है। जिस दिन गरीब को अपने गरिबी पर गुस्सा आता है उस दिन से वो अमीर बनने लगता है।

समझदार होते हैं वे लोग जो प्यास लगने से पहले कुआँ खोदकर रखते हैं । क्योंकि वे जानते है, प्यास लगने के बाद कुआँ खोदने के लिए ना वक्त होता है ना ताकद ।

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जिस काम को हम करना चाहते हैं उस काम से हमें आशा बहुत होती है। आशावादी होना अच्छी बात है क्योंकी आशा पर ही तो जिंदगी चलती है। लेकीन ऐसी आशा किस काम की जो निराशा में बदल जाए या फिर पूरी जिंदगी बीत जाने पर भी आशा, आशा ही रह जाए। किसी ने कहा है कि ''सब्र का फल मीठा होता है' लेकीन कब्र में मिले तो क्या फायदा। और जिसके अंदर स्वाभिमान, अहंकार है वों कभी भी अपने सपने साकार नहीं कर पातें।

आशा के बजाए सपनों पर विश्वास कीजिए, क्योंकि आशा दूसरों से की जाती हैं बल्कि सपने खुद के होते हैं।

जो सपने देखते हैं, जिनके सपने बुलंद होते हैं, उन्हें पूरा करने की ताकद जिनमें होती है, उनकी कभी हार नहीं होती । जिनके सपने बड़े होते हैं या जिनकी सफल होने की मानसिकता होती है वो ना तो रुकते हैं या ना थकते हैं । परिस्थिति कितनी भी मुश्किल क्यों ना हो वह उसपर मात करके आगे जाते हैं । उनकी हमेशा जीत होती है । इसलिए सपनों को आवाज दो और उन्हें पूरा करने की ताकद रखो ।



जिनके सपनों में जान होती है, उन्हीं के पंखो में उड़ान होती है। राह चाहे कितनी भी मुश्किल, हौसले से आसान होती है।

अगर हम पूरी तरह से अपने सपनों को साकार करने की कोशिश में जुटे रहें तो हर रास्ता आसान है। हर समस्या का हल है और अगर हम उससे ड़रकर पीछे मुड़ जाए तो वह बहुत कठिन लगती है। बाद में कठिनाई कभी भी हमारा पीछा नहीं छोड़ेगी। पर हम पूरे दिल, दिमाग से उस काम को करें तो हर मुश्किल आसान होगी। और उसे पूरा करने से कोई भी हमें नहीं रोक सकेगा। परिस्थिति का डटकर सामना करें तो, हर मुश्किल है आसान !

नए तकनीक से लाभ तथा हानि

पल्लवी साहेबराव सुर्यवंशी (F.Y.B.A.)

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''कभी-कभी मेरे दिल में ख्याल आता है... के जैसे तुझको बनाया गया है मेरे लिए...'' 'संगणक !'... आज २१ वी सदी में तकनिक का महत्त्व इतना बढ़ गया है कि, मानव की हर जरुरतों में उसका स्थान है । मोबाईल से तो हम कभी भी किसी से संपर्क कर सकते है । पत्रव्यवहार में भी इसके कारण प्रगति हो रही है । इसका सब श्रेय मानव को ही जाता है । क्योंकि वही उसका निर्माता है । गुगल से हर विषय पर सूचनाएँ उपलब्ध होती है । बल्कि उसे 'असंभव' यह शब्द पता ही नहीं है । उस से मानव की हर मुश्किल हल हो जाती है । मानव या दो मित्र हर रोज एक दूसरे से इंटरनेट के माध्यम से मिल सकते हैं । तो इस नयी तकनीक का महत्त्व मानव के जीवन में अपरंपार है, यही कहना उचित रहेगा ।

चिकित्सा क्षेत्र में भी आज बहुत प्रगति हो रही है। चिकित्सा तथा तकनिकी ज्ञान के अभाव से मृत्यूदर की संख्या अधिक थी। पर अभी नए तकनीक, मशीनों की वजह से हर रोग को चिकित्सा हो रहा है और नए तकनीक की खोज शुरु है।

'कमी श्रमाचे तंत्र

हाच जीवन युगाचा मंत्र...'

इसके अनुसार नए तंत्रज्ञान से समय की बचत भी होती है। और श्रम भी कम लगते हैं। कलयुग में इसी की आवश्यकता है। क्योंकि इन्सान के पास समय की कमी होती है। वह जल्दी-जल्दी में हर काम पूरा करना चाहता है। इसके अलावा इस स्पर्धा के युग में बने रहने के लिए समय का सदुपयोग अत्यावश्यक है। यह सब तंत्रज्ञान से ही मुमकिन है।



जैसे कहा जाता है, जिस चीज के जितने लाभ होते हैं, उतनी ही उनसे हानि होती है। हम कहते है, इंटरनेट से सब आसान हैं, पर एक गलती से उसकी सारी जिंदगी बरबाद हो सकती है। सोशल मीडिया से तो ऐसी खबरें हररोज मिलती हैं। बच्चों को स्कूल की किताबों से पहले कॉम्प्युटर का इस्तेमाल सिखाया जाता है। वह २ साल का होने पर ही उसे मोबाईल दिया जाता है। मोबाईल और संगणक के दुरुपयोग भी बहुत हैं। उससे दिमाग का संतुलन खराब होता है। छात्रों में एकाग्रता का अभाव निर्माण होता है। कुछ लोग तो घंटों तक फेसबुक पर 'गप्पे' लगाए बैठते हैं। पर अंतिमत: उससे कुछ हासिल नहीं होता सिवाय पछतावे के।

चिकित्सा क्षेत्र में सोनोग्राफी का तंत्र बहुत प्रगति कर चुका है । पर उससे फायदे तो है और दुरुपयोग अथवा हानि भी संभव है । आजकल हर जगह सोनोग्राफी से लिंगपरीक्षण किया जाता है । उससे लड़की के जन्म पर बाधा तो आती है, पर



माता का भविष्य भी धोके में आ-सकता है । स्त्री-भ्रूणहत्या की वजह से महाराष्ट्र और भारत में भी लड़कियों की संख्या कम हो रही है । तकनिक तो बहुत सारे है । पर उससे होनेवाली हानि भी बहुत ज्यादा है । स्त्री-भ्रूणहत्या से लोगों की ऐसी मानसिकता दृढ हो रही है कि वह लड़कियों को बढ़ाना ही नहीं चाहते ।

मानव पर निर्भर करता है कि, वह किस तंत्रज्ञान अथवा तकनीक का कैसे और कब तक उपयोग करे। इस सबका निर्माता मानव ही है। तो इस पर अंकुश भी उसी को बनाए रखना होगा। मोबाईल की हानि, इंटरनेट से होनेवाली दुर्घटना को रोकना चाहिए । स्त्री-भ्रूणहत्या जैसे गैरकृत्योंको बंद करना मानव के ही हाथ में हैं। अंतिमत: यही कहना चाहती हूँ

''एक-एक कळी जपूया लेक वाचवू या...''

क्योंकि वही संसार की निर्माणकर्ता है । वह नहीं होगी तो दुनिया का बढ़ना या उभरना संभव नहीं है ।

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हमारे देश में लगभग हर जगह जैसे सरकारी दफ्तरों, पाठशालाओं, महाविद्यालयों, न्यायालयों, ग्रंथालयों में लिखा रहता है 'सत्यमेव जयते' अर्थात, सत्य की हमेशा जीत होती है। पर क्या आज के इस कलयुग में हम सत्य की राह पर चलते हैं ? वह कहते है ना, जो इन्सान पहले अपने-आप से प्यार करना सीखता है वही इन्सान दूसरों से भी प्यार कर सकता है। उसी प्रकार जो इन्सान स्वयं के प्रति सत्यनिष्ठ रहें वही इन्सान दूसरों के प्रति और समाज के प्रति सत्यनिष्ठ रह सकता हैं । सत्यनिष्ठ रहने का मतलब सिर्फ सच बोलना ही नहीं होता, बल्कि जिंदगी के हर पहल में नेकी और सत्य की राह पर चलना है।

सोचिए कि हम परीक्षा केंद्र में बैठे हुए हैं और सामने बैठे छात्र का परचा हमें दिख जाए तो हम क्या करेंगे ? हम उसके परचे में से जो कुछ भी दिख जाए उसे अपने परचे में उतार लेंगे यह सोचकर कि चलो मेरे दो-तीन मार्क्स तो एँसे ही बढ़ जाएँगे। कभी बस से सफर कर रहे हों और बस में बहुत भीड़ हो और कंडक्टर महोदय चिल्ला-चिल्लाकर टिकट-टिकट कह रहे हो तो हम उसे बहुत बार अनसुना कर देंगे। अरे भाई, कंडक्टर का तो ध्यान नहीं है ना, चलो आज अगर टिकट के पैसे बच गए तो उससे आईस्क्रिम खा लेंगे और अगर पकड़े गए तो पैसे घर भूल गए यह कह देंगे। सिग्नल पर खड़े हो और पुलिस अफसर का ध्यान न हो तो फट से गाड़ी भगाके आगे निकल जाएँ । हमें कौन रोकेगा ? पर क्या ये सब करना सही है ? मित्रों, एक बात अवश्य याद रखिए झुठ और फरेब से पाई गई चीज आपको कभी भी सुख और सफलता नहीं दिला सकेगी । इसके विपरित आप सफलता और सुख के कई कदम दुर हो जाएँगे ।

रहीम जी ने बड़े ही सुंदर शब्दों में कहा है कि -'रहिमन धागा प्रेम का , मत तोड़ो चटकाय । टूटे से फिर ना मिले, मिले गाँठ परि जाय ।'

अर्थात, एक बार अगर हम किसी धागे को किसी कारण से तोड़ दे तो वह फिर से जुड़ नहीं सकता और अगर जुड़ भी गया तो उसमें गाँठ पड़ जाती है। हमारे रिश्तें और संबंध भी इसी नाजुक धागे जैसे होते हैं। अगर हम एक बार झुठ बोलकर, धोखा देकर या विश्वास तोड़कर उसे तोड़ दें तो फिर से ये नहीं जुड़ सकतें और अगर जुड़ भी गए तो वह बात हमेशा के लिए हमारे दिल में रह जाती है। क्योंकि सच कभी छुपता नहीं है उसे तो सामने आना ही

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होता है। आप एक झूठ बोलिए और उसे छुपाने के लिए आपको सौ और झुठ बोलने पड़ सकते हैं।

आज हमारे समाज में चापलूसी, घुसखोरी, भ्रष्टाचार, चोरी, मार-पीट जैसी कई वारदातें होती रहती हैं । हम इन्हें रोक तो नहीं सकते लेकिन कम करने का प्रयास जरुर कर सकते हैं। ये हमारी और हमारे बड़ों की भी जिम्मेदारी है कि वे हमें अच्छी बातों को आचरण में लाना सिखाएँ और हमारे सामने अच्छा आदर्श रखें और हम यही काम अपनी आनेवाली पीढ़ी के लिए करें।

चलिए एक छोटे २-३ साल के बच्चे का ही उदाहरण लेते हैं । एक बच्चा जब खाना न खाने के लिए बहुत रोता और जिद करता है तो हम उससे कहते हैं कि तुम पहले खाना खाओ और मैं तुम्हें मिठाई या खिलौना दूँगा। उसे फिर एक चीज़ देकर दूसरी पाने की आदत पड़ जाती है और बड़ा होकर वह यही सब पैसों के सहारे करने लगता है और भ्रष्टाचारी बन जाता है। इसलिए हर जिद को पूरा न करते हुए बच्चों को प्यार से समझाना और जरुरत पड़ने पर डाँट लगाना काम आ सकता है।

जो बच्चे अपने माता-पिता से बड़ों का आदर करना, अपने व्यवसाय के प्रति इमानदार रहना, सही और गलत का फर्क करना और कठिन परिस्थिति में भी न्याय और सत्य की राह पर चलना सीखते हैं वे हमेशा ही इन बातों को आचरण में लाते हैं और अवश्य ही सफल होते हैं । हाँ, यह बात भी सही है कि आज के आधुनिक और दौड़ते जीवन को मद्देनजर रखते हुए 'Social Status' के अधीन होकर हमसे गलतियाँ हो सकती हैं लेकिन हमारे संस्कार और बड़ों का मार्गदर्शन हमें सही राह दिखा सकता हैं।

सत्य की राह पर चलना बिल्कुल भी आसाँ नहीं होता । हो सकता है कि आपको बहुत बार असफलता को चखना पड़े, लोग आपको नीचा दिखाए, आपको कई कठिनाईयों का सामना करना पड़े लेकिन सत्य हमेशा अजय रहता है। और जैसे न्यूटन महोदय कहते हैं 'Every action has a equal reaction' उसी तरह आप ईमानदारी और सत्य के साथ अपना कर्म करते रहिए और उसका फल आपको तो जरुर मिलेगा और वह अवश्य ही मीठा होगा। और फिर आप सर ऊँचा कर गर्व से कह सकते हैं - 'हमको मिटा सके जमाने में वो दम नहीं, जमाना हमसे है हम जमाने से नहीं।'

RRR
Not So Funny Anymore!

Advait N. Lohokare (S.Y. B.Com - C)

"Bass Papa ko khush karo, woh tumhe bahot khush kar sakte hai".

No No! These are certainly not my words! This is the way a certain series of advertisements have hit our TV screens, a "comedy at par" being the motive, this advertisement of a certain telecom company is promoting and inculcating in the youth "Values of Life".

As every one of us would have seen the much obviously quoted ad and for those who haven't yet seen it, these series of ad shows adolescents doing one thing or the other (like cleaning their father's spectacles for instance), who don't quite know the motive and are pleasantly surprised by the gesture!

Little did those poor fathers know that their young ones have an ulterior motive behind their act of "service"! Take this one for example, where a boy in his teens brings his father a cup of coffee with "WORLD'S GREATEST DAD" written on the mug, the father who is unsuspecting, is overwhelmed with joy and praises his son! When the son turns back, he gives a slight smirk to his mother who returns the favour with a sly smile!

Now, the shocking thing is not the unsuspecting father but, the sly mother! Is this really the way a mother would encourage her child to behave, to take advantage of our dear ones?!

There's another intriguing ad regarding a child aged merely five or six, who is supposedly saving all the money she can in to her "CHILDRENS' ACCOUNT" in a particular bank. While she appears to be savings oriented and innocent looking little one, there's a certain mischievous side to her wherein she also kind of steals money kept near the pooja ghar, under the pretext of asking God for it! She then turns to her father and asks for more money than what she had received earlier by giving her father an expression of pleading nature.

Another ad of a certain Smartphone application which helps us to recharge our phone balance by giving us discounts depict their ad in such a way that one should feel that their father is a "Hitler" type of dictator. In this ad a boy in his late teens and his girlfriend are travelling by a taxi and the boy says that his father scolds him saying that 'he ' travels by bus where he has to stand but, the boy takes his girlfriend for a ride in a cab'.

There are many such ads making rounds on our media and the list of it would be having quite a number! The reason I am saying all this is because I keep on thinking, questions pose in my mind for which the answer certainly does not go with the "heart" of the directors directing these ads! For an instance, is this the way our mothers would support us in literally fooling our fathers? Would they not at least reprimand us for behaving in such a way?

We do say that WE are the FUTURE OF INDIA, WE WILL CHANGE OUR NATION and become a progressive society! If we really want to change our great nation, would this be the way we would be doing it? By fooling, blackmailing, and stealing and so on! Are we going to lead our nation to be the greatest country in the world in these ways? I certainly don't think so.

Research has shown that once you hammer in our brain anything via a media, it certainly does get imprinted on our brain! It is a kind of reinforcement technique! I personally think that advertisements such as these do reinforce our brain but, with negativity! Why can't these companies, these MNC's invest their money in ads which are positively reinforcing?

Certain companies are surely doing their part in doing so; take Pidilite's Fevikwik, their recent ad shows the union of certain two countries with a tagline, "todo nahi...jodon". Another fantastic ad would be Amul's 1999 ad "doodh is wonderful pi sakte hai roj glass full".

This fabulous list of ads is so pleasant, I will just list a few of them down, do watch them, you will definitely FEEL the difference.

Hamara Bajaj ad

Dhara oil's Jalebi ad

Asian paint's Army jawan's ad and so on...

My point is these companies should seriously think of the consequences these ads are having on the minds of people, though they seem to be

humorous at first they definitely seem to be ridiculous after a while!

These companies spend unthinkable amount of rupees on CSR (Corporate Social Responsibility). If they stop making such disgraceful ads; they certainly could utilize the CSR money in a different field than on 'Foundations that takes care of college dropout people'.

The reason I have mentioned the companies making positive ads is because I want people to see

Think Positive Don't Get Upset I love Economics. In the whole world, everyone has a Problem. Therefore. I say, 'I love Economics' No one can say with 100% confidence that But it never loves me back .. 'I don't have any problem.' I try to get those stats Therefore, Don't Get Upset. still it doesn't fit my sack You also have at least one problem. Yeah! I love all those theories. Compare your problem with problems of And also I do love the sources .. other. Still they appear as good as mysteries. You will find your problem is so small. Even when I draw all my forces .. Therefore.Don't Get Upset. I get stuck in some points though, Problems will come in our life but somehow I manage to go.. Like guests, I know it's quite tough for my li'l brain.. And will automatically go back But success never comes without strain.. Like guests, Therefore, Don't Get Upset. 'learning for exams' means nothing. 'learning for life' is something worth doing. Don't care for problem, Life is not a game though, but we play.. Instead care, try to find out a solution, And try to do all things, our way... Because. REMEMBER every problem has a solution. Even then, I will try, try and try.. Therefore, Don't Get Upset. till it would make the Economics cry. I would strive, all day, all night. Considering above all the facts, Without any joy or pleasuring sight .. Don't take any kind of tension, If problems will come in your life Hey 'Eco'!! you know what .. BECAUSE one day you'll love me God puts you in problems, it means and thats for sure .. You are the right person chosen by Him. on that day, sweety you'd see Who is capable to solve those problems that I love you more ... even more Therefore, Don't Get upset. - Dipak P. Bodade (M.com-I) - Akshay Dambhare (F.Y.B.A.)

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these ads and feel proud, feel those positive emotions that take place in your heart after watching those! These companies should sure be proud of themselves for portraying a harmonious side!

This is the 'media age', media has the 'power to make you or break you', and it depends on us on how WE look at it and use it! Do think on it!

RAR

The Guy with the Crooked Smile

Geetanjali Deshpande (F.Y.B.A. Div. AE)

"Hi!" he smiled at her. It was a lopsided boyish smile which lit up his crooked eyes. She gave him a weird look and turned away, continuing chatting with her friends at the "Paani Puri" stall; ignoring the guy.

The guy looked hurt at being ignored. He seemed to muster up his courage and said "Hi", again, only to be ignored. He took a deep breath, muttered something to himself; and decided to try again. This time, he tapped her elbow. "Hi" he said.

"Ugh! Get away you creep; I have a boyfriend." snorted the girl; with a frown on her pretty face. To her girlfriends she said, "Let's get out of here!"

By now he was desperate. He held her hand as they got up to leave. "Eeew! How dare you touch me!" she screamed, snatching her hand and raising her bag to hit the guy.

"Wait!" he pleaded and held out his palm. On it was a long silver chain, with a simple light green heart shaped pendant.

"Oh the nerve..!" began one of her friends in an angry tone; but the Girl with the pretty face, let's call her Aishaa, stopped her; and picked it up, observing it keenly. "It's mine!" she said finally.

"I know" said the Guy. "It's been with me since the day you collided with me at the Mall that day and I lost my contact lenses. I was temporarily blinded, but I could see the glittering green so I picked it up. I hadn't seen you properly but I smelled the perfume you used: Silver Doe by Coco Chanel, the same one my sister uses. I didn't even know your name, so I requested the Security at the mall for the CCTV footage where I finally found you. You had bought that perfume the same day, as you were seen exiting the Coco Chanel shop. In the Coco Chanel shop, I asked for the list of all the people who had bought that Perfume that day.

Then, I checked out the names on Facebook and then I knew your name. Natasha Joglekar. I searched for your details and found out where you lived. My Computer Science class is nearby; and hence I remembered seeing you somewhere. Since the past five days I have been roaming here, hoping to run into you; and right now I finally found you. Here's your pendant. Have a nice day" He gave another crooked smile and left.

Devils in Disguise

RAR

Everyone there. Sophisticated. The odor of flowers, trapped in their dresses.

And that rich silence, all over the place. the lavish air, filling in the grace.

Those fake plastic smiles. stuck on their face. glow on their cheeks, as a painted glaze.

There it lies, the ugly truth. Reality is history. Just take a look.

Where money is blood, flowing in their veins. ruling over the weak, and shrinking narrow brains.

Happiness is no more. but jealousy is in plenty. Loads of expressions, but minds are running on empty.

Don't trust those faces. Just look into their eyes. They are devils inside, Devils in disguise.

- Nitesh Aher F.Y.B.A (A.E)

Why the world is not ready to end yet.

Reeti Banerjee (F.Y.B.A.) AE

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Norman: We're given the greatest gift in the history of mankind. We're given this magic ball. And it says "Imagine what you will and you can have it." That's an extraordinary gift, but we're so primitive we... we manifested the worst in us, because what we have inside us... is what we have inside of us, instead of the best of us. What does that say about us?

Harry: We weren't ready, Norman.

-Sphere

There are many views on this specific talk, obviously. Why else would it become something people loathe/anticipate/be interested in and willingly waste time on. Let's try thinking on three of the many views: a) The Conspiratorial view, b) The Inquisitorial view and c) The Factual view (more or less.)

Let's talk about the first one. Yes, the good old folks over the internet believe that the end of the world is a "Perennial excuse used by leaders of the world altering secret subcultures and people with secret identities alike". Apparently, it ensures "Plausible Deniability" and prevents everyone from knowing the "good stuff".

Some believe that there are evidences to support this theory all over the pages of fiction and comic books. In Marvel Comics, billions of years ago, the Watchers tried an experiment. They gave a primitive race the secrets of atomic power, which was an elementary science to the Watchers, but would allow the aliens to make huge advances to their society. The first advance they made was to build an interplanetary fleet with atomic warheads and go invade other planets. This resulted in other aliens killing the first aliens off in self-defense. The Watchers' reaction was to go "oops" and put their Alien Non -interference Clause into effect.

Used in the Transformers Film Series: After the President of Obstructive Bureaucrat demands to know why the Autobots have not shared their technology with the world, Optimus reasons that humanity would abuse it. Funny enough, in the sequel, Sam has a sizable chunk of Cybertronian science uploaded into his brain. Besides being laughed at for saying that Einstein was wrong, he can't even seem to find words for what he knows, lapsing into what sounds like a fax machine having a seizure, just when he's about to correct something.

So much for the Global Warming and the environmental downfall. Oh well.

Moving on to the second one, when asked why the world is not ready to end, someone with a great amount of poise and divine put it elegantly as, "It's just not time yet." If asked to the Armageddon enthusiasts, they would probably say, "Michael and Lucifer are getting along just fine for now. Thank you very much." The horsemen might say something along the lines of, "Instead of thinking about how it might turn out to be when it happens, we are too busy waiting for the big day." Well, who blames them?

An answer from the Potterheads would sound something like, "The end can wait. We have a movie series due 2016." Ask a nerd. Just ask. The nerd won't interest you with any answer in particular. On the other hand, if you ask a geek, the response will start as, "The detailed rebuttals of separate apocalyptic scenarios include a meteor strike, a solar flare and polar shifts whereby the Earth's magnetic and rotational poles woul-- Hey, where are you guys going?"

The hipsters would say that a Zombie Apocalypse sounds much more poetic than being wiped out by a self-righteous battle between good and evil.

Well, you can always use the end of the world as an excuse to apologize for everything that went haywire under your hands over the year (An acceptance of your apology is not guaranteed in this venture.)

Now, the third view. According to the Bible, the Earth is eternal. It won't be destroyed. However, throughout the ages, it's nature has changed and will change again in the near future. Apparently, the whole scenario of the world's oldest civilization was just the "Largest and the grand cycle of 1,872,000 days or 512,537 years overturning and marking the beginning of a new cycle." December 21rst 2012 was just a "Calendar milestone". In the end, the Mayan theories were ever so gracefully termed as poppycock by the NASA. Wonder what the Mayans feel about that.

In all sensibility, the world cannot truly end. The mobile phone company having the name of a fruit has yet to release an infinite amount of new models. News flash: It will have the same features as the previous many models and will more or less start looking like a remote control in the future. Let's not forget that it will stop working randomly just because it wants to. (A lesson I learnt from my father.)

On the basis of moral principles, the world cannot end. Because, Marvel has already planned movies for the next fourteen years. Duh !

Here we are then. As someone writing an article about the end of the world and exhausting all possible reasons as to why this particular topic was selected, I came up with only one reason. And that is, I have no reason. I just wanted to sound witty.

In case the world ends in the imminent future, go read a book. Go ice-skating, at least once. Doesn't matter if you break your bones. It will be fun. Do apologize if you made mistakes. And, no matter what you do, don't bother waiting for the movie adaptation of your favorite book. Those things never show up on . time.

So basically, the world cannot end yet. After all, Baskin Robbins is not done making new ice cream flavours yet.

Post Script: All the conspiracies and facts have been taken from the ever so infinite Internet. The feeble attempts of humour and sarcasm are all me.

RRR

Merry Christmas", They Said

The shells outside the door, just like shoes we remove before. And the bullets reached their places, left the sofa, couch ignored.

Three in the head, A body with holes like a shower. It could have learned table manners, but the guests spilled it over.

Yet so beautiful, the innocent's color on the floor, and the pleasing pattern, on the walls of the gore.

Yes beautiful, if it wasn't blood, from the human palettes, not with strokes but with a thud.

None of the shrapnel, was wasted though. As if each knew, where exactly to go.

Some in the chest, some in the limbs, more shower holes, on poor shaking fins. The fountain didn't last for long. 5 liters out of a hundred holes. But the artists enjoyed the shower, till the curtains of breath had to close.

And the show was over. as the palettes dried. In the last week of December, the silence loudly cried.

The door didn't need to shut. The blind never mind the light. The eyes were left wide open, but had no power of sight.

The art work got famous. on the news, faster and faster. The artists were never found, though, although they were sought after.

In another house, far away from the bloodshed. unwrapped their gifts, and "Merry Christmas" they said.

- Nitesh Aher F.Y.B.A (A.E)

Positive Vibes

Darshini Dave (T.Y.B.Com. 'C')

'Nothing changes Until you change. Everything changes When you change ! ' -Anonymous.

We humans change ourselves as per the situations around us, we fall, we rise, we laugh, we cry. Life is a journey, wherein all these emotions keep changing.

When I turn behind and look at the flashback, I realize that I have grown as a person. I have grown as a student. 'College Life' is the most beautiful and interesting phase of life. After clearing my H.S.C Board with 74%, I had a mindset to pursue the course of Company Secretary(C.S). My start to the course was excellent, by clearing the Foundation level at the very first attempt securing a score of 264 marks out of 400. But while achieving this success, I was lagging behind in my college attendance, lectures and other curricular activities. Though I was preparing for a professional course, I was not mature or responsible enough to cope up with C.S as well as college simultaneously. My First Year of college just went by with me trying to struggle and manage withboth C.S and college.

I had negativity in me. In my Second Year I thought, I would be able to cope with my college life and C.S. But unfortunately, I kept struggling. I could not understand my teachers' point of view and nor was I able to convince my professors on why I was unable to attend college. I had a very 'rude' and 'arrogant' attitude towards College Authorities. I unfortunately could not even clear my C.S. Executive even after giving 2 attempts. My health was not supporting me at all due to which I was losing focus on my college and career. I had lost my way, I did not know who I was, what I was doing in my life. I had become completely blank.

One fine day, I just decided to take a break from C.S and focus on my health and college life. Finally, I started with my Last Year in college with lots of positive energy after fighting with all my health issues. Today I am a much more confident and polite person. Finally, I started enjoying my college life. I started to improve my overall performance in all aspects. Today at the end of my last and final year I have such a personality which was just not possible without the opportunities given to me by my professors. My arrogance, my rudeness is no longer with me. These positive changes began with my active participation in college. I started making friends, started living the real 'College Life'.

This Last year was the most special year for me, because finally I had made my name and earned so much in this one year of college life. I organized an Industrial trip for my class T.Y.BCom 'C' and that trip was just outstanding because I got such amazing friends with me. We all finally bonded so well that today we all are inseparable. Later, I took an active part as the Volunteer of 'Vyapar Mela'. 'Vyapar Mela' changed my life forever. It taught me to be patient, polite and kind. It made me responsible. The experience that I gained from all these events can't be expressed in words. The appreciation that I have got from my mentors is the most valuable blessing in life.

This year became more special because of compliments like 'Best Report' and 'Very Good' in my practicals. Professor Waghmare giving a compliment like 'Very Good' for the project that I prepared was just like an extra blessing to me which was never expected by me. These compliments motivate me each day to just keep going. I could organize and manage events because my mentors, family and friends believed in me. The hard work of one year has paid me in a very grand way. There are friends who appreciate me for each of my achievement and say that 'I have earned it'. It makes me feel proud. It inspires me to work harder.

My year finally has come to an end, and today I take along with me a 'Best Volunteer' Trophy, Certificates of active participation, Blessings and Appreciations from teachers and so many amazing friends with the best and sweetest memories with them. Today whatever I am is just because of all my Mentors throughout these seventeen years of student life.

Finally I would say 'Expect the Unexpected.Believe in yourself and Trust your capabilities. Keep working Hard because if I can find my way and earn so much, even you can.' I shall miss these college days.

RER

Indeed Inspiring

Nupur S. Puranik (XI)

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We the students of Std. XI were indeed inspired by the 'INSPIRE CAMP-2014' which was organised by the Shobhaben Prataphai Patel School of Pharmacy and Technology from 6th-10th, 11th November 2014. The Science Camp which was sponsored by the Govt. of India had selected 200 students from varied colleges across Maharashtra having students of std. 11 as well as std. 12. We, the students of Modern College of Arts, Science and Commerce, Shivajinagar, Pune were guided by Prof. R. N. Ingole throughout the camp.

TO assess some some some

The camp gave us students a varied exposure to the outer world and had organised lectures and demonstrations of renowed professors from the 117, BARC, TIFR had many more.

The 5-day camp began on 6th of November by the lighting of the lamp at the hands of the honourable Prof. Mohan Apte who also emphasized on the fact that 'India' has made 'Geniuses'. We have had Aryabhatt, Ramanujan, Bhaskar and many more. The secret to the Western countries progress is India's discovery. Prof. Apte inspired us by telling us the if 'We believed, we could.'

After Prof. Apte's lecture was the most awestriking talk by Prof. Vidhita Vaidya who gave us a journey though the compartments of 'BRAIN.' She told us about the neurons and its association. What fascinated us the most were the incredible examples she used to demonstrate her talk. We then had Prof. Honour who talked about "Happiness in Science." He gave us a complete new way to look at Science. He made us realize that Science is for understanding !. He indeed inspired us to LEARN found the subject rather than taking it as a burden. Prof. Maji then astonished us by giving us information about PRIONS. He told us that these PRIONS cannot be cured by any medicines. He also told us about recent discoveries in the field. We had talks by Prof. B. J. Rao of TIFR. Prof. M. H. Antia and Prof. Bhalchandra Bange who gave lectures on Life-Sciences. The secrets of the Sun and Green Chemistry respectively. Dr. Sanjeev gave a talk about Genome to Proteome. The most fantastic talk about 'Chemistry Fun. He gave us many practical experiments. He astonished us by giving examples about the subject. He also emphasized on the chemistry which we can learn at home.

It was indeed "INSPIRING." We got a lot of · knowledge of various fields and for this I really am thankful to our respected Principal Rajendra Zunzarrao for giving us this opportunity. I am also thankful to Prof. R. N. Ingole for helping us whenever needed.

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The Sis Bro Relationship
I hate the days when we were together
and hate the time we have spent bro
cause now you hardly do even bother
and that time is all that I miss.
Those moments
were of smiling days
the sis bro chats
the morning prayers
but I still waited from the beginning till the e
thought you would came back
and catch my hand
I love you bro
from the core of my heart
for you oh ! Bro the world is apar
I love you bro and will love you forever
but those days won't came evernever
The long distance drives
that we enjoyed
the hunger that cried
was something to rejoice
I never did think
that you'll leave and go
I seriously would not have come
if I had a hint to know
I won't surely cry
But tears do flow
And also pass by
like the smooth winds blow
But I Still Love You Bro
- Ashwini Manoharan (F.Y.B.A

Global warming biggest threat for Human Survival

Vaibhav Bhumkar (S.Y.B.Sc.)

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We know that the Sun's rays heat up the earth's surface. A part of the radiation that falls on the earth is absorbed by it and a part of is reflected back into space. A part of the reflected radiation is trapped by the atmosphere. The trapped radiations, further heat the earth. If you have seen a greenhouse in a nursery or elsewhere, recall that the sun's heat is allowed to get in but is not allowed to go out. The trapped heat warms the green house. The trapping of radiations by the earth atmosphere is similar that is why is called the green house effect. Without this process life would not have been possible on the earth. But now it threatens life. Carbon dioxide (CO₂) is one of the gases responsible for this effect.

Carbon dioxide (CO_2) is one of the components of air and is essential for plants. But if there is excess of Carbon dioxide (CO_2) in the air, it act as a pollutant.

On the one hand Carbon dioxide (CO_2) is continuously being released because of human activities and on the other hand area under the forest is decreasing, Plants utilize CO_2 from the atmosphere for photosynthesis thereby decreasing the amount of CO_2 in the air. Deforestation leads to an increase in the amount of CO_2 in the air because the number of trees which consume CO_2 is reduced. Human activities thus contribute to the accumulation of CO_2 in the atmosphere. CO_2 traps heat and does not allow it to escape into space, As a result, the average temperature of the earth's atmosphere is gradually increasing, this is called global warming.



Other gases like methane nitrous oxide and water vapour also contribute towards this effect like Carbon dioxide (CO₂), they are also called greenhouse gases.

G l o b a l warming can cause sea levels to rise dramatically in many places .Coastal areas have already been flooded. Global warming could result in wide ranging effects on rainfall patterns, agriculture. forest plants and animals. Majority of people living in regions which are threatened by global warming are in Asia. A recent climate change report gives us only a limited time to keep the greenhouse gases at the present level otherwise the temperature may rise by more than 2 degree Celsius by the end of the country a level considered dangerous.

Global warming has become a major concern for government worldwide. Many countries have the Emmission reduce agreement the Kyoto Protocol.

RAR

School Days	0140
	1000
I miss my school days,	二日の
In "n"different number of ways	100
Life was so easy there,	- Ale
With a whole lot of day to spare	and
A tiny tot who had nothing to say,	A Solution
But carry that huge bag, all the way.	-
Again I want to carry that load,	
For my desire to live it again is very broad	「日日の日日の日日の日日の日日の日日の日日の日日の日日の日日の日日の日日の日日の
I miss those short pants, belt and a tie,	1. L.
When Mom used to kiss my cheeks and say 'good bye'	C. C. C.
I miss the roar of those birthday claps,	the state
Also , can't forget those tight slaps!!!!	t, t, t
If those days are back again,	Aprelia a
I promise - won't let a single second go vain	100
Why does the school ends, at times, I wonder,	C. C. L.
They say it has nothing more to render	Station of
I wish there was a rewind button,	Carle Carle
Pressing it would give back all my session	C. J.
But, this can't happen, I fear	1200
I miss my school days, Oh Dear !!!	to to
Akshay Dambhare (F.Y.B.A.)	L L L

UNION BUDGET - 2015-16

Sayali Sane (T.Y.B.Com)

Union budget is essentially a statement of accounts of Public Finance. It has historically become a significant opportunity to indicate the direction and base of India's economic policy. In the union budget 2015-16 the Finance Minister Arun Jaitley has presented this budget in five ways as compared to the part. This budget is a dream budget for corporators.

C management

Budget spoke about the following points.

1) Fiscal Policy -Fiscal deficit seen at 3-9 % of GDP in the year 2015-16. (As per this budget we will meet the challenging Fiscal target of 4.1% of GDP) Before this budget the fiscal deficit was of 1.3% of GDP.

2) Growth - This

budget can achieve the growth rate between 8%-8.5% in 2015-16. We can also achieve the growth rate of double digits.

3) Inflation - Monetary policy framework with the RBI state that the objective inflation below 6%.

4) Revenues In the later state revenue definite seen at 2.8% of GDP. In the revenue agri income is under stress.

5) Direct Investment - Total state race in this F.Y. seen at Rs. 695 limit.

6) Reforms - The budget proposes to merge commodities regulator with SEBF The budget says that the govt. set up public and magmt, agency. The govt. also established a autonomous bank board bureau to improve mgmt. of sub. sector banks.

7) Policy Reforms - The govt. evolved a comprehensive new law on black money. The budget incl. that the govt. raised rise-on arrival facility to 150 countries from 43. Govt. also propose to create a universal social security for all Indians.

8) Borrowings - From the budget net market borrowing seen at Rs. 4.56 trillion.

9) General Ann. : Avoidance Rules (GAAR) -GAAR will be apply from April 1, 2017 and the retrospective tax provisions will be avoided by govt.

10) Taxation - Wealth tax replaces with additional 2% surcharge on super rich. Corporate tax will be

get for doubled to 20% govt. proposes to increase her. tax rate and education cess to 14% from 12.36% Exemptions for indi. tax payers will be continue. 11) Infrastructure -Infrastructure -Infrastructure -Infrastructure -

Invt. in infrastructure will go up by Rs. 700 billion in this F.Y. the govt. plans to set up national invt. infrastructure fund. this budget proposes tax free infrastructure bonds for projects in roads, rail and

25% over next four years. Net gain from tax proposals

seen at R. 150.68 billion. The govt. proposes to

rationalise capital gains tax regime for real estate

invt. trusts. The implmentaion of good and service

tax (GST) by April 2016. Custom duty reduce on 22

items. Custom duty on commercial vehicle will be

irrigation projects. the budget proposes ultramega as per projects for 4,000 MW each the budget says that we have a need of additional 1,00,000 km. of road.

12) Expenditure - From this budget plan total expenditure for yr. Rs. 4.65 trillion.

13) Investment - The budget propose to do away with differentation types of foreign invt. caps and replace them with composite caps. the govt. allow foreign invt. in alternative invt. funds.

14) Gold - The govt. introduced gold monetary scheme to allow depositors to earning.

15) Subsidies - In the budget food subsidy seen at Rs. 1.24 tribillon. Fertilizer subsidy Rs. 729.67 billion and fuel subsidy seen at 300 billion.

16) Education - AIIMS in Jammu and Kashmir, Punjab, Tamilnadu, Himachal Pradesh, Bihar and Assam. IIT will established in Karnataka. Amritsar will be gifted by PG institute of Horticulture. Arunachal Pradesh will be the centre of Film Production, animation IIM for Jammu and Kashmir and Andhra Pradesh.

From this point it is concluded that the budget will prove to be a big boost for economic growth of India in every aspect.

RRR



The Bringer of Hope... Yet Again!

Priya N. Thathachariar (FYJC)

Service Contraction (1980)

The Narmada, which is also known by various other names, such as Shankari, Rewa, or Purvaganga, is one of the oldest and greatest rivers of the Indian peninsula, older than various Himalayan rivers like Ganga, Brahmaputra and Yamuna. The river, which has seen the rise and fall of several splendid Indian dynasties, is today known all over the world for its impressive flora and fauna,

locations of religious importance and the large dams that are to be built on it.

Since ancient times, Indian people consider and acknowledge rivers as female gods, and worship them. Many mythological stories revolve around them about their birth and their purity. One such legend states that Lord Shiva, engrossed in meditation on the Amarkanthak peak, began to

heat up and sweated profusely. This sweating flowed down like a river down his back through the hill making deep valleys below. Looking at it, Lord Shiva blessed the stream to flow forever and named her Narmada, the giver of pleasure and hope.

The source of Narmada is a small bowl-shaped region known as Narmada kund atop the highest peak of Maikal range, Amarkanthak. From the Shahdol region of eastern Madhya Pradesh, the river undertakes a long journey of about 1,312 kilometers between the Vindhya and the Satpuda ranges, through Madhya Pradesh, Maharashtra and Gujarat, forming a physical boundary between northern and southern India, to flow westward through the Gulf of Khambat in Gujarat to pour its waters and become a part of the Arabian sea.

The Narmada is one of the seven sacred rivers in India, the other six being Ganga, Yamuna, Godavari, Sarasvati, Sindhu and Kaveri. According to an age-old tale, when river Ganga is polluted, she takes the form of a black cow and bathes in Narmada for her purification. Thus, Narmada is well known for her holiness.

This river is commonly known as Rewa meaning agile or lively. The Bhils (adivasi tribes) were the first settlers at its banks. Then came the Farmers,



dependent on its water for agriculture, Often known as a calm river and moving, dancing and leaping; mostly active and energetic according to the changes its emotions, sometimes it becomes angry,

The teeming forests by the banks of Narmada are a treasure of several species of wild animals such as tigers, wolves, leopards, hyenas, cheetahs, blackbucks and pangolins. The Kanha National

> Park, which lies in Madhya Pradesh, plays a vital role in reclaiming the wildlife in this region. The 'Project Tiger' scheme, which was implemented at the reserve in 1974, is currently maintaining a good pace, and the reserve contains 87 tigers which freely roam the forests without being attacked. Due to this Project, the vegetation of this area has also improved a great deal,

helping the agricultural produce to increase indirectly.

The river, which has been quenching the thirst of thousands of villages on its path for centuries, is now being called further for the deed. The Narmada Valley Development Association is an agency set for this sole purpose. The Narmada Valley Project, which began in 1990, aims to change the route of river Narmada, so that it flows into the remote regions of Gujarat and Rajasthan which experience a dearth of water. They plan to achieve this huge project's success by building 29 major, 135 medium and over 3000 smaller dam units to alter the course of the river, so that the parched regions of the Rajasthan Desert and Rann of Kutch are revived with the pure water of Narmada.

The Narmada Valley project will not only help the people of Gujarat and Rajasthan with supply of abundant water, it will also help these areas to brighten up with hydro electricity, and development of agriculture, helping these underdeveloped areas to make contribution in the progress of India.

Thus Devi Narmada, a gift of Lord Shiva to India is not only a river but a giver of life, who is economically helping our nation in its path of development.

Modern 2014 - 15 + 152

That Craziest One Hour!

Reeti Banerjee F.Y.B.A. (Div-AE)

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One Sunday morning, I woke up listening to my mum yelling to inform me that my aunty was coming with her nine month old son in our apartment.

My aunty arrived around 10 am with my sweetest brother. Well, the most amazing and weird fact about our relationship is the fourteen year old difference between us. So now you can guess for yourselves the consequences of being a sister to a tiny brother who causes mischief every second minute. But the point where your imagination ends is the beginning of real hell for me with my brother.

Let us get back to that Sunday morning. The beginning, as usual was a sweet one. My brother, Tintin, who looked like the sweetest in the world at that moment, suited the quote: Don't judge a book by its cover! His sweetness lay in his eyes; big round eyes with long eyelashes. He still hadn't been blessed with any teeth.

My mum and aunty, who needed to go out in for a shopping spree, left my not-to-be under-estimated brother in my custody, as my responsibility. *

Lost in the intoxication of Facebook, I readily said "YES!" to be a babysitter for an hour. At that age, Tintin only knew to crawl and he couldn't sit properly.

After my mum and aunty went away, I jumped in front of my laptop and Tintin was on the bed; playing with his teddy bear. I was busy updating my status and commenting on others' when I heard a 'Bang!' What was that? I spun around towards Tintin and... "TTIIINNTTIINN...NOOOOOO!"

My naughty brother had thrown my smartphone on the floor. The view was horrifying. So many pieces. I could estimate the pieces being ten to twelve in number. Can you imagine a teenager without a mobile phone? Oh yeah, I'm the living example.

I took him in my arms and then my brother paid me back a tit for tat; he pinched my nose hard and left a scratch mark! Then he smiled at me.

Still half an hour for mum and aunty to arrive. I peeped into my room. It was all normal. Thank goodness! I rushed in kitchen and began filling his bottle with milk.

A giggling sound- he might be playing. I entered my room; eyes wide and then I screamed, "Noooo". My little brother was using my laptop! Well, actually hitting the keys resulting in an increased weirdness on my Facebook page.

"Fdjkqfjnkvc9dhshjwghwuwnwk" was posted on my wall and in turn, the homepages of my 675 friends.

I ran and picked him up from the bed and pushed the bottle in his mouth and tried to get him to sleep. I switched off my laptop and sat beside him. Only fifteen minutes to go.

"Mum, come back soon, please", I said a silent prayer. I stood up and went to the bathroom. When I came back, oh wow, he was asleep.

Mum and aunty came home after more twenty minutes and went, "Oh, what a sweetheart he is! So innocent. I wish all mothers get a son like him".

Yeah, right, what an 'innocent' baby he is! I thought and smiled at my best brother in the world.

The consequences after a few minutes were worse than that. First, Tintin peed on my cozy bed which stopped me from sleeping there and second, my notso-funny status received a list of comments declaring me 'stupid'.

But, at the end of the day, all was forgotten and forgiven.

RAR

A Problem is never solved by succumbing ourselves to it. In fact problems grow, fattened and nourished by the number of victims that come under its onslaught. This is equally true both in the communal life as well as in the individual life.

Problems of a nation are to be faced boldly by the people themselves. That indeed is a successful and thriving community which is competent and courageous enough to fac its own problems.

Swami Chinmayananda - As I think

Women's Life : Past and Present

Bhagyashree Gawade (M.C.A-I)

It is said that behind every successful man there is a woman. Woman is the most mysterious thing that God has created on the earth. She is the figure of kindness, patience, love and care.

Today we see that in all fields women are at the top, whichever field it may be. In education, politics, business, sports even in creative fields like paintings, literature. They even drive taxies, rickshaws.... they are also doing conductor duties. In the police force Mira Borvanker,

Kiran Bedi are well known personalities. Women have also joined military, Air Forces, in servitude to the nation. All these women are working with their male colleagues. These working women are fulfilling responsibilities at home as well as in office, more efficiently and sincerely. They are playing many roles in their social and private life with dignity. Government policies like 'Mahila Bachat Gat' have made house wives financially independent in some ways. They taking higher education and not only doing jobs in higher posts in companies, but have also reached India's greatest post, the post President of India, Mrs. Pratibhatia Patil was the first woman president of India. Women like Serena Willams, Kalpana Chavala proved that the sky is the limit.

Now she is independent, free, confident, can take her own decisions.

But in old days this was not the situation. At that time women didn't have rights to take any decisions. All they did was cook Food and raise their children well. They were things which were just for use. They were just treated as a factory to give birth to children to keep the bloodline alive. There were no rights for them to even learn. Adding to their misery they were not even allowed to put forth their views in the families. They didn't have rights to choose their life partner as well. They had to marry whoever their parents used to select. Then he might be an elderly person, she could not say a word against it as if she has no authority. A Widow, must also sacrifice her life as practice of sati tradition, no one really felt a need to ask her wish And when this frightening custom was banned, people found new ways of torturing her. When her husband dies, she must cut



her hair, she must not wear colourful clothes, jewellery. She just can't look pretty. Her right of looking beautiful was taken away form her, so that not other man could take advantage. All these things had made her life a living hell.

Now, as women became independent and free still the situation has not changed much. Her problems still seem to be the same. Now also she is not so safe. We see numerous news and cases about rape and murder everyday.

The rate is increasing day-by-day instead of decreasing. And to my surprise people blame women for wearing indecent clothes. But do you really think that it is a matter of just clothes ? Then how do these animals in the garb of humans rape a 2-3 years old innocent child, who is even unaware of what has done to her. Ofcouse it is not a case that fully dressed girls are not being raped. So I think this is just a matter of mentality. In democracy everybody has right to do whatever they feels as long as the law permits. So women can wear whatever they like to wear. Why she should change for some orthodox mentality in people? Men should change the way of looking at women. If she is wearing western outfits then it is just her dressing sense, not necessarily her character. So respect each and every women. And when a women is raped then it must be boy or man who should be ashamed and the not the girl.

In politics there is 50% reservations for women. But we see many of them as dolls in the hands of their husbands. Even if she wins the election, her husband is doing all work on her name. Do you think, his kind of reservations will help us ?

There is one more serious question which is the female ratio. There are people surrounding us, who don't want a girl child, everybody wants a boy Why so? You need mother, sister, wife then why there is a big No for daughters? They want a boy, who can take care of them in their old days. But many times these good boys get settled abroad and don't even ask after their parents; sends them to old age house and send money. But at this stage of life humans need love and care and not money !!! At this juncture, a child, who was always hated, underestimated not because they didn't have qualities, but just because that child is a girl, stands behind her parents with all her love, care and affection. Still people don't want girls ??

It is shocking that many girls are kidnapped and transported to many states of India, where they are sold. People literally buy them for their sins. It is high time we woke up before the situation becomes worse.

The dowry system is again another question for many women. Everyday, somewhere women are tortured, burnt for dowry. The practice of dowry is just like trading a women. But I am sorry, we are not things which can be sold or bought.

In our culture women have a place of God, but is this the reality?? So sad... because the answer is No !! This situation must change. This is the time to show the world what is the women power. Girls, we must not depend upon men for protection. We must learn to protect ourselves. Why we are forgetting that, the great Maratha King Shivaji Maharaj was moulded by woman itself, his mother Jijabai. Ahilyabai Holkar, Jhansi Ki Rani fought for their nation. Ramabai Ranade, Savitrbai Phule have taken great efforts, efforts just to give rights of education to girls. We must take some courage from all these great women and stand against injustice. I really think, "A women is like a tea bag, you can't tell how strong she is until you put her in hot water." So girls, if a man whistles at you do not respond. You are a lady not a dog.

And my only expectation from society is to change their mentality. Just because she is a girl don't underestimate her and don't bind her in restrictions of culture and tradition which themselves are ancient to understand, set her free and see what she can do. She can wear jeans, shirt, cut her hair short and this does not mean she is out of line. Let her live her life following her heart and doing whatever she want's to do. She is not a rebel. Don't judge her by the way she dresses-up. She has her own style. It is time when parents should not tell daughter to come home early but to tell their son to behave properly. When a girl is alone it's not an opportunity it's a responsibility. Travelling alone at night is not safe for girls. Protect her - This is what real men do. Just because you are male does not mean you are superior to any female.

Really, we are not beggars, we don't need your reservations of any kind, we don't expect your sympathy. We just expect you to treat us like human being and not as slaves. We have all rights that a common human being has. We just want to live our life as a confident.....independent and proud woman and not as a prisoner who is jailed by social restrictions. Boys can only brighten one house, but it is a girl who can brighten two houses at a time. So girls don't think you are less than any boys...

Just Be Proud To Be a Woman !!!

RRR

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E E	I think you'r at the store,	1
	Working late hours	24
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A Step Ahead....an unforgettable experience

(Akshay Dambhare (F.Y.B.A.)

We see a lot a lot of people, begging and leading a miserable life around. Most of us dont care, some of us also abuse them but very few try to reach the roots of their miseries. Yes.. there are people who gives a penny or two but the matter of fact is, does that really counts? Can it have a little impact on their lives? The most probable answer is "NO".

Life was going on with ease, until one of my friends came

towards me and shared his experience which changed my perspective of looking at these people. An old beggar used to live in front of his hostel. Every day he used to see him shivering in those winter days.But from past few days, he observedhim lying idle.When things were checked, it was found that he was dead. I was terrified hearing this, and thought for a while that the value of a human life has gone so low in the nation of ours. This was discussed with some of my other friends and a decision was taken to help them at our level, voluntarily by providing them warm clothes in the bitter cold.

We started surveying in Shivajinagar and the areas around. None of us were in a business like this before but we were really determined to help those who were brutally neglected by the society. After our survey was, done, we met our Vice-Principal and urged her to provide further guidelines. She showed the way and we led. Meanwhile, our Principal came to know about this initiative, appreciated and assured to provide any kind of help we would need. Hence, an organised touch was given now, to our simple, raw idea.

But, the tougher task was awaiting ahead, we needed old woolen clothes from students and for that, it was to be ensured that, everyone knows what exactly we were up to. So we ran to every possible classroom, put up notices everywhere and tried every means of publicizing it.

All our efforts bore fruit when tons of students helped us by donating their old woolen clothes. This shows that the students here at the Modern College of Arts, Science and Commerce are deeply concerned



about the society as well as consider themselves as an integral part of it.

Later, we distributed these clothes to the poor and needy ones. All this was possible because of the support provided by our beloved Principal, Mr. Zunjarrao Sir, Vice-Principal, Dr.Mrs. Kulkarni, Prof. Mrs.Vartak, ACP Mr. Swapnil Hadpe and many others. We were only a

mere medium for this to happen.

This really helped in evaluation of our strengths, weaknesses and their respective limits. We got to learn that our miseries are negligible in front of theirs. Also, at times there were minor disputes among ourselves while executing certain things, but we managed and moved on.

At the end of the day, what matters the most is the smile which they had on their faces and the satisfaction which we possessed, undefined....

BBB

I want... I am a part of the world, but I want to live in my own world... I am a dream for someone, but I want to live my dream once ... I want to take risks, I want to take my own decisions ... I want to choose a different way. I want to live in my way... Let me do what my heart says, Let me do what my brain suggests... The country is independent, but still my thoughts are dependent ... I don't want to hide under someone's shadow, I want to live under the wings of freedom... Don't know when the things will change, but I want to become the change !! - Nabhraj B. Pachorkar (T.Y.B.Sc.)

Vypar Mela-2015

Darshini Dave (T.Y.Bcom 'C')

"Create the highest, Grandest Vision Possible for your life Because you become What you believe"

-Oprah Winfrey.

'Vyapar Mela-2015' the event that created history was organized by the Department of Commerce on 20th and 21st January,2015. Commerce Association initiated the idea of this event with a mission of developing the leadership and marketing skills of each and every student. The vision behind 'Vyapar Mela' was to get to know the hidden talents of entrepreneurial skills in the youth of our college.

'Vyapar Mela-2015' was an event wherein 70 stalls were put up and around 250 students had participated. The mela was held under three categories : Self Made,Trade and Exhibition category.Under the Self Made category,the students prepared their products using all their innovativion and creativity and later had to sell their products in the mela.Under the Trade category,the students traded their products from outside and then sold them.Under the Exhibition category,the students had been asked to display their collection of their various hobbies.

It gives me a very proud feeling to be a part of the Management Committee by being the volunteer of such a grand and historic event. Initially, when we started with the registration, we expected around '50 stalls', but as days passed by we had registrations for '70 stalls'. We had put few registrations in the waiting list too. This was the spontaneous response that this mela had received. It got a huge response from all the teachers, non-teaching staff and also the students. Such enthusiam among the students motivated me each day to work more harder and make the vision and mission of my team come true.

The experience of being a volunteer of this event was just amazing. I as a student, have learnt so much from this one event. I learnt to co-ordinate with all the members of my team. I learnt to take the suggestions of my team-mates and respect their opinions. I learnt to organize and manage several things simultaneously. I learnt to inculcate the decision making quality in me. It has been an education process to me.Without the constant support of my mentors it would have been difficult for my team and me to walk together and organize this event.

The unconditional support support our Principal Dr.Zunjarao Sir,kept us motivating each time to give our best as the management team. The participants too have had a great experience through this event. They learnt teamwork qualities. They also learnt marketing and business skills. Not only the participants, but also the visitors thouroughly enjoyed the event.

I'm thankful to my college,for giving me the opportunity to be a part of this history created event 'Vyapar Mela-2015'.Vypar Mela has changed the life of so many students forever. It is an inspiration to the youth of our college.One of the toughest things about managing large events is the time required to schedule everyone.Surprisingly,I got an opportunity to inculcate this quality in me.

Finally this event which seemed like a dream, had come true and was a successful and hit show. The youth of our college have learnt lessons for life.

I would hereby end by saying 'there are no mistakes, no coincidences, all events are blessings given to us to learn from'.

RAR

Could We Be Friends ?

I wonder what your name is I wonder who you are Kid making faces From the back seat of a Bike When you stick your tongue out. I stick mine out, too... When you smile and wave to me, I wave back at you ! I wonder where your house is What games you like to play But when the traffic light turns green My father drives away...

- Ashwini Manoharan (F.Y.B.A.)

Sri Lanka Youth Camp

Simranjit Singh (XI)

Management C.C.C. Management

The exam time was on. I for one did not have much tension because it was my favourite German paper. As I was about to finish it, the German teacher came and asked for me. A chill ran down my spine, I kept wondering why she was asking for me as I had not done anything wrong. Madam came to me and said that PASCH will be organising a youth camp in Sri Lanka and she had recommended my name for it. It was, a dream come true. I was proud to hear that I was amongst the 8 students that were representing Pune, India in the International Youth Camp held in Sri Lanka. I said yes, Why not? It's an opportunity of a lifetime. I called home and confirmed and everything seemed to be okay. Preparations began from renewing my passport to collecting things mentioned in the letter from the organizers of the camp. Thanks to Ms. Nanina Pawar, from Max Muller Bhavan who guided and helped us with our preparations and made arrangements to give us time to arrange for our passports and stuff. I was so happy I couldn't wait for the day.

Finally the big day arrived, 2nd of January. I had butterflies in my stomach. I had to leave for Mumbai airport. The airport was beautiful but, it was just the starting. This was my first trip without my family and that too an international trip. The flight was at 2:30 in the morning and we had checked in by 12:30 already So we had another hour for boarding the flight. Because of the excitement of the trip, I had begun to feel hungry, but as everything there was expensive, I didn't eat. Ultimately, we boarded the flight and that too before time. After the flight took of I had only two choices, either to watch TV or to look out of the window. Looking out of the window was a very exciting thing to do. I was going for an international camp and so I was already on

cloud 9 and at that particular time, I was actually above the clouds. When we finally reached Sri Lanka, it hardly felt that I was in foreign land, the Airport, the people, the country, was not very different from India. It didn't take much time collecting our luggage, exchanging money and buying a sim card and as we walked



our way out of the airport, our guide (volunteer) joined us and showed us the way to the hotel in Colombo. This was the place where we could rest for the day. Here we met some fantastic people from many other countries, which included Sri Lanka. How silly I was worrying about meeting people from our neighbouring countries, especially after the recent terrorist attacks. Well, thinking about how our perspectives get coloured due to a handful of people and events, we miss the bigger picture. Here I was interacting with Pakistanis and Bangladeshis and even Afghanis; I couldn't make out the difference. Our countries were different of course but our cultures and languages were hardly different.

From Colombo we then shifted to Kandy, a wonderful place in the hilly region of Sri Lanka. While in the air conditioned bus as we went uphill towards Kandy I couldn't wait to feel the cool breeze and the pleasant climate, like we have here in Mahabaleshwar but much to our surprise as we got off the bus we realised that though it was a hill station as we were informed, it was humid out there, and by humid I mean HUMID! I was a little disappointed seeing the camp, and also my dormitory, but it actually got better. I was going to stay with 2 members from Bangladesh, 3 from Afghanistan, 3 from Pakistan and 1 from Sri Lanka. Throughout the day we would attend classes which were a whole lot of fun, later we would so sight-seeing and shopping and in the evening would sing and dance along with the DJ's and then sleep late, chatting away to glory, trying to get to know each other and even gossip . We all chatted a lot. We used to sleep very late and wake up early morning to play sports and exercise and each day would begin with more enthusiasm and fervour. Even though we had to get up early

> every day, which was a very hard job because of the earlier nights full of gossip, each day, was something new. We had to go for trekking, sports, etc. We visited the Kandy City Centre, Sigiriya (plateau on the other end of Sri Lanka), Tea Factory, Elephant Orphanage, Street Markets, etc. well, I must comment that Sri lanka is a very beautiful country, where

mother nature's blessing have been well cared for by the people there and we ought to, may be, take a lesson or two on cleanliness from the Sri Lankans. All in all, though we partied almost every night the days and people were like one big party for all the days we were together.

We had a lot of fun and the days passed by very soon and before we even knew, it was time for all of us to part. On the last day we had a cultural day and we all had to perform there. The Pune group was doing a dance and had practised well for it. As l was the only boy amongst the eight of us from Pune, the girls danced and I helped with the back stage preparations. All the groups performed well and it was a beautiful sight to see them perform, but our performance on the famous number 'Bappa Morva' was an instant hit. After the Cultural Day Performances we had the last party of the camp. There was a wonderful bonfire and also an awesome barbeque spread, which we all enjoyed to our hearts content. It was a blast, we all had a good time together but then came the time to bid farewell to our Bangladeshi friends. They left at midnight and

I want to fly high But my wings are taken away ... I want to run fast , But my legs are chained in a way... I want to write new chapters In my life But they have taken my book away ... I want to laugh till I cry, But they find my tears easy in a way ... I want to sing loudly and tell I'm happy, But they like me more when I'm dumb. Is what I can say I want to explore this world I want to make mistakes I want to learn I want to try everything I want to act stupid I want to live I want to conquer the world I want u to have faith in me Coz I want to reach the top But I want to do it all In a way of my own ! - Sanika Autade, M.A. Part I

(Psychology)

we were crying bitterly and couldn't stop, knowing that we may never be able to meet them again. We didn't sleep that night as it was the last night we could be with our friends. That was an epic night we had. And as they say, don't cry because it's over, but smile because it happened. With heavy hearts we packed and prepared for our trip back to our own countries.

Next day, half of us were separated again. The Delhites and Pakistanis bid farewell to us and we left a couple of hours later with some of the other people from the camp. Thinking about the wonderful times we had, we left the camp. Coming back to India took so long and was very boring. Nothing seemed to interest us; all I did was to think about the days gone by and wonder if we will ever be able to meet again. It felt like the journey would never end. Finally we reached our homes safe and sound, happy to be back, meet our families and friends and sad too with some never ending friendships and unforgettable memories. Funny, how life goes on but leaves those marks on our lives. This time of reflection certainly brings the happiest memories with a dash of sadness.

RRR

Will Miss Her Now I have everything in the world; Two parents who love and take care of me, One brother with whom I can share my secrets, A couple of friends to hang out, But in my soul I am still alone; Something is incomplete and which can never be complete; My Grandma's love! I will never see her in my life, I will never feel her touch again, ever in my life. I will never feel her hand putting on my head to give her blessings; Confidence to fight the world. ale and the second of the seco Energy to live life. Will never see her again, Will never feel her touch, Never in my life; I will never get the love like hers, will always just miss her. Miss her in my entire life, Will just love her always: Same as she loved me always. Jui Pimple, M.A.I (Psychology Dept.)

Managing non-biodegradable waste

Mrunalini Chaturvedi (T.Y.B.Com)

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Our mother Earth-God's most exquisite and perfect gift, is getting polluted due to the intervention of Man. Since pre-historic times pollution in various forms has been caused by Man, after the discovery of fire. But the rate of pollution was slow. Mother Earth was able to deal with it But now, with changing times, rapid progress in technology and

increase in demand for Earth's natural resources, the problem of pollution is reaching in-managable proportions. Now dumping of non-biodegradable waste has made matters worse.

ummmmmmmmmmmm

The most polluting nonbiodegradable waste found today is PLASTIC. Plastic waste is found in all forms bags, bottles, spare parts of refrigerators and computers, etc. Not only the

citizens, but also the government is finding it difficult to dispose off plastic waste. Burning it, pollutes the air and disposing it with normal garbage, pollutes the land and water bodies. Studies have linked the improper disposal of plastic to problems such as breast cancer, congenital abnormalities, etc. Thus, the biggest question today is-How to dispose plastic?

Everyone is aware of Aamir Khan's famous chat show 'Satyameva Jayate'. In this show he featured an episode on disposing garbage where Professor Vasudevan, from down south, had put forth his idea on managing plastic waste. It was a surprise for the audience as he unfolded the process and benefits of using plastic waste to make 'Roads.'

Plastic roads mainly use plastic carrybags, PET bottles and disposable cups when mixed with hot bitumen, (a black sticky substance obtained naturally or from petroleum, used for surfacing roads), plastics melt to form an oily coat and this mixtures is laid on the road surface. Plastics help to increase the melting point of bitumen, thus saving energy and bitumen.

The use of plastic in road making is based on technical, economic and ecological criteria several million metric tons of plastic wastes are produced every year in India. If plastic waste is suitably utilized in road construction, the pollution and disposal



problems may be partly reduced such roads are twice as strong as normal roads and resistant towards water stagnation, i.e., no potholes are formed. Burning of plastic to dispose it, can also be avoided. These roads don't involve any extra machinery and it helps to reduce cost.

Several experimental stretches have been laid

in TamilNadu, Kerala, Andhra Pradesh and Karnataka. And, the result is, that the roads withstand higher traffic, heavy rains and high temperature variations. While a normal 'highway quality' road lasts for 4-5 years, it is claimed that plastic bitumen roads can last upto 10 years. This technology also results into lesser road repairs.

Plastic roads would be a boon for India's hot and extremely humid climate, where temperature frequently crosses 50°c and torrential rains create havoc, leaving most roads with big potholes.

Further, manufacturing bio-degradable plastic should be encourage instead of our normal plastic. In 1970's chemists had introduced plastics which break down as micro-organisms consume starches or cellulose that are used to separate the polymer chains scientists also created photodegradable plastics made from plant resources is also a possibility. More research in such areas should be encouraged, so that degradable plastic can be manufactured a used.

We take so much from the environment and give nothing in return. It is time to overcome our selfishness and put forth a step towards conserving the environment and create a liveable home for our future generations. We have inherited our mother Earth from our ancestors and our future generations will inherit it from us. Not only the government, but also the citizens should come together now a community effort is required in talking this problem Our acts should be such that the coming generations would bless us and not curse us.

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"Make Your Own Quick Response (QR) Codes".

Pranav P. Shivangikar, M.Sc.(Botany)-II,

Quick Response (QR) codes are 2dimensional barcodes invented in 1994 by Denso Wave. In the previous decade QR codes have gained recognition as an effective tool for advertising, marketing, product information and logistics etc. QR codes enable a fast, flexible, suitable, and user-friendly mode for students to access content and learning materials online. At present QR codes are used in the education sector only to access web sites with course information and study materials, directions to locations and business cards. There is need to explore possibilities of usage of QR codes efficiently in teaching learning process. The QR codes can be effectively used in day to day teaching learning process. The purpose of this article is to explore and study the teaching methods and processes that incorporate QR codes and mobile devices in education. In this study, how QR codes can be used in education is demonstrated. Creating and reading QR codes allows teachers to include them into their educational activities. The processes to retrieve or store QR codes are very simple and rapid.

and with mobile devices, they are ideal educational tools for teaching and learning.

PREPARING AND READING A DOCUMENT WITH QR CODES:

To make a document embedded with QR codes, the easiest mode to do is to generate the specific codes by means of some of the software's freely available from the internet. These images can then be embedded into the document at the appropriate places. If the mobile device does not build in any QR code reader, the user needs to download the right decoder from google play store and installs it on to the device.

The following steps demonstrate processes :

Step 1: To encode the required text/SMS/URL/ Contact into a QR code, we can make use of some offline freeware's or websites available online that can generate the QR code. These include:

oQR-Code Studio oFree QR Creator



Step 2: Insert the proposed information into the QR Code Generator.

For example,.

QR Code: a smart teaching learning tool.

Step 3: The QR code generator or creator will generate the QR code for you as shown below.

Step 4: Save the generated image file (QR code) and label it (in .png format).

Step 5: Embed the saved image file into any presentation deliverables (power point presentation, worksheets, word documents, workbooks etc.).

Step 6: The android user need to install an application to decode QR code from google play store into the mobile device. E.g. Barcode Scanner

Step 7: To decode the QR code the user can just slide the decoder over the QR code area and the text will automatically be displayed.

The Dream

- Aditi Bodas M.A.-I (Psychology)

It was a nice sunny afternoon. She was sitting on a doorstep of the daycare centre. Her dad was going to pick her up today. He was not well for a few days. But he was operated and doctor uncle had told her that he was going to be all okay. She was very happy thinking about all the things she was going to tell him, all the things that she had learned that day in school, new friends she made while he was in a hospital. She was very happy and waiting eagerly to go home and sit on his lap and play with him. She heard the familiar noise of the scooter that her dad rode, coming down the road. She got up, picked up her bag, put on her shoes, all ready to go. But her dad was nowhere to be seen. Instead his friend Pratap uncle came to pick her up. She asked him where her dad was, and he just looked at her but he couldn't hold her innocent, childish gaze. He quickly went inside to talk to the owner of the daycare centre, Sujata didi. She could hear them talking something about her dad. Sujata didi came up to her picked her up and gave her a small peck on the cheek. She looked at her for a few moments and put her down and went back to her work. This was very unusual for the Sujata didi to behave like that as she always kept shouting at the kids. The girl got confused but soon she forgot about it. She was too happy to think about that. She just wanted to meet her dad.

Pratap uncle parked the scooter in front of the gate and took her hand and started walking towards the bungalow. There were lots of bikes parked in front of the gate. She didn't understand why so many people were there. As they came closer to the house she started getting this weird feeling in her stomach. Something was wrong! When she entered the house she saw her uncle, her father's brother. His eyes were red..he was crying. She didn't understand as she had never seen him cry before. There were many people, family friends. neighbors. acquaintances...everyone seemed sad and crving silently. Her mom and little sister were nowhere around. She was scared thinking of what might have happened that everyone was crying. She went looking for her mom and dad in the next room. And there she saw her mother crying, eyes red and all messed up. The girl was too dumbfounded to notice that her dad was in the room too! He was there on the floor, lying on big ice blocks, covered with his favorite shawl, cotton buds in his nose and ears, eyes closed and very very still! She didn't understand the meaning of all this at first. That weird feeling in her stomach started increasing. Her eyes started welling. Then it slowly dawned on her. She knew what was wrong. With a cry she jumped on her father's body and started crying. Her uncle took her away from the body and sat in the garden with her. He also started crying with her he told her that her father was no more, that he had left us all, that he had died..

All the while she kept thinking that how could he die? He was supposed be all okay. She had so many things that she wanted to tell him. She wanted to show him a new toda that she had learned in the dance class the other day. She wanted to go to the beach with him and make sand castles with him. How can he leave her when they had so much to do? She cried till she was tired. She didn't have the energy to think of the reasons as to why he was gone. She was drained. Slowly she fell asleep in her uncle's lap...

A few years later...the same girl was sitting on a sofa...doing her homework. She was 10 years old and her school teacher had given her a lot of homework to do. Her younger sister who was now 6 years old was sitting on the floor painting. Her mom was making pack lunch for them to take to school. Only one hour was left before the school bell rang and she was still not done with the math homework. She was busy calculating on the fingers. Suddenly she heard the familiar noise of the scooter. She started having that weird feeling in her stomach as she heard the footsteps coming up the staircase. She stared at the open door of their apartment. She just kept staring. The weird feeling was growing moment by moment. A man came to the door and stood there. He was wearing a raincoat even though it was not raining. He removed his raincoat and cap and smiled brightly at her. She couldn't believe her eyes. It was her dad. He was there standing in front of her. Her younger sister didn't seem to notice him. Even if she did notice him she was too busy with her drawings to look up. He took out a big bar of Five-star from his pocket and offered it to her. But she just kept

staring at him. How this could be? He was gone. He had left us. How can he be here? She couldn't understand. She must have looked funny with that expression on her face as he was laughing, 'what happened?' he asked her, 'don't you want a five star? I have got a box full of it. Just brush your teeth afterwards.' He was so real standing in front of her with her favorite chocolate in his hand, smiling brightly. Slowly she came back to her senses. She could feel a teardrop on her cheek. She threw the books aside and ran to him. 'Where were you? I thought you were gone. Uncle told me that you left us all. Where were you all these years?' she kept asking him..

His face had a puzzled expression. 'What are you talking about dear?' he asked her, 'I was here the whole time. I was away for two days for some office work.'

'But your office is in Ratnagiri. We are in Pune right now.' Her childish brain couldn't come up with a better argument.

'You must be dreaming, dear. I didn't go anywhere. I was here with you the whole time. silly girl!!' he picked her up lovingly, put her on his lap and gave her the chocolate bar.

'Yeah, I must have dreamed it all. He was here all the time. Just went away for a few days for office work.' she believed him.

It was easier to believe that he was away for office work than to believe that he was dead. It was easier to believe that all those years that she tried to find a reason for his death were just a part of some bad dream. It was easier to believe that he didn't leave her, he was still there. It was easier to believe that all those nights that she and her mother cried themselves to sleep were just a bad dream. it made her extremely happy that she was wrong all these years and that he had always loved and cared for her and was always there with her. She felt like the happiest kid in the world while she ate the chocolate and told him about her new school, new friends, new teachers..

Although she was so happy that weird feeling in her stomach was not going away. She couldn't understand why. But she ignored it. She was too happy to care about anything else.

Ting-tong, ting-tong!! The door bell rang loudly. She ignored it. It rang again. The girl wondered where her mom was. Why she wasn't opening the door. Couldn't her mom understand that she was busy talking with her dad? Suddenly the bell stopped ringing. She looked up...her mother was looking at her, shaking her, trying to wake her. She looked at her mom and told her that dad was back. It was just a bad dream. He was away for office work!

Mom looked at her with confusion. 'What are you talking about? You are dreaming beta. Wake up, its time for school.'

'No, no mom. It is true. He came home some time ago. I guess you were not home. Look mom heis here.' She tried arguing with her mom.

She looked on her side where her dad was sitting. He was not there. She ran through the rooms. He was not in any of them. She noticed that her younger sister was not painting anything; she was sleeping next to her. The girl herself was not doing her homework; she had just gotten up from the bed. She had this weird feeling in her stomach again. She felt sick and totally confused. She couldn't understand anything. Her dad was right there sitting next to her and she was eating Five-star and telling him all about her new life. She couldn't tell the difference between reality and a dream.

She looked up and saw a big painting of her dad on the wall staring at her. It was done by a very good friend of her dad after a few months of his death. Realization crept on her like a dark shadow. She felt a sudden pang of pain in her stomach. She felt claustrophobic, sudden feeling of loss covered her.

She was so happy a few years back, when she thought that she was going to meet her dad that day. She was daydreaming of all the fun things she had to tell him. But in reality he had died that day. And now in her dream she thought that his death was a dream. She felt so happy, relieved. She felt so secure and safe. But in reality it was just a dream. She felt deceived and cheated. This was not how it was supposed to be. She cried to herself silently as she didn't want her mom to know about her dream. She didn't want to disturb her mom. She cried and cried but the stubborn reality was not changing...

It was very sad for a little girl of 10 years to go through all this. But again you never know what nature has planned for you. Even though you feel that it's not how it was supposed to be you still have to deal with it. There is something to learn from every experience of your life. Some experiences are real good while some experiences are real sad. Everyone has a different way of dealing with it. How you deal with it does not matter as long as you come out of that experience as a more mature and wise person!

Light... Light... Light.....!

Jithin P (S.Y.B.Sc.A)

As we all know, United Nations declared 2015 as the "International Year of Light". The International Year of Light is a global initiative meant to raise awareness of how optical technologies promote sustainable development and provide solutions to worldwide challenges in energy, education, agriculture, communications and health. Naturally, the question among people must be "WHY 2015?" Well, the answer is simple- We were not realizing the importance of light in our lives. Light is almost like air - It's a given, and we don't worry about it much. But still it is different from air. Thus a human would no more linger over the concept of light than a fish would ponder the notion of water.

Whole life forms on earth owes light for survival, as the sun, the major source of energy for us provides energy in the form of 'small packets of energy, called photons'. For humans, his domination on Earth is the result of his observations. Usually, though, we don't see light, we merely see with it. You can't appreciate the beauty of a rose if you ponder that the colour red is just the brain's interpretation of a specific wavelength of light with crests that are roughly 700 nanometers apart. To 'observe' anything, we require light to 'touch' our eve that is reflected from the object or system. (No disrespect for sensors of various kinds used in advanced experimental setups like LHC). IYL 2015 programs will promote improved public and political understanding of the central role of light in the modern world while also celebrating noteworthy anniversaries in 2015-from the first studies of optics 1,000 years ago to discoveries in optical communications that power the Internet today. IYL will bring together many different stakeholders including scientific societies and unions, educational institutions, technology platforms, non-profit organizations and private sector partners.

Photonics: Photonics is the science of light. It is systematic study of generating, controlling and detecting of the light waves (or photons). The characteristics of light waves and photons (particle behavior of light) are used to explore the universe and for other purposes like usages in day to day life, for example eye lenses. Electromagnetic spectrum represents entire range of light in which only visible region of a few hundred nanometers are sensed bye eye. But using sensors, advanced technology with the strong support of Mathematics, we are now trying to conquer the entire spectrum. Nowadays, Photonics is not only a science branch but the growth business in this field is also fascinating one. Light-based technologies work on solving challenges like energy efficiency, ageing, climate change, security and even in information exchange. Lighting represents almost 20% of global electricity consumption (International Energy Agency). The whole world is after the technologies and designs that can fulfill the requirements of a good light source.

History of Light

There has been light from the beginning. There will be light, feebly, at the end. In all its forms it saturates the universe. Modern physics has sliced the stuff of nature into ever smaller and more exotic constituents, but light won't reduce. Light is light, pure, but not simple. No one is exactly sure how to describe it. Is it wave? Is it particle? Yes, the scientists say - "Both". Here we come to one face the miracle of light. It has no volume. And photons have no charge, so if we concentrate large beam (or large number of photons) into a very small space, they don't repulse each other as negatively charged electrons do. Thus how many angels of light can dance on the head of a pin? Answer is - an infinite number in theory.

From early attempts to understand the motion of stars and planets to the appreciation of the importance of light in photosynthesis, efforts to understand the nature and the characteristics of light have revolutionized nearly every field of science. An important stage of the evolution of the Universe occurred around 300,000 years after the Big Bang, when the temperature was cool enough (around 4000 degrees) for neutral atoms to form. Before that time, there were too many charged particles to allow light to travel more than a very short distance. After atoms were formed, light could travel immense distances. In fact, we can receive today 'light' (in the form of microwaves) that has been traveling for over 13 billion years. Perhaps of more importance to us was the formation of the Sun and the solar system including our planet - about 4.5 billion years ago. Earth has been bathed with light from the Sun ever since; it is our most important source of energy. Sunlight warms us, causes weather patterns, allows plants to manufacture oxygen and our food from carbon dioxide and water, and it allows us to find our way around in the daytime!

Some Early Approaches towards Light

As hard as it is to understand light, the ancients had it that much harder. Lacking scientific instruments, they could probe the nature of light only with their inventive minds. "Light is the activity of what is transparent," was one of Aristotle's rather opaque declarations. This transparency was an essential property of various substances; when activated by sun or fire, it produced light and color. The fifth-century B.C. philosopher and poet Empedocles had the brilliant intuition that light is a streaming substance emitted by the sun and that we are not conscious of its movement because it moves too fast. But he also subscribed to the notion of the "fire within the eye," comparing the eyes to lanterns. Many Greeks, including Plato and Euclid, shared this belief that the eyes produce some kind of visual ray. It explained the curious fact that sometimes we look in the direction of an object but fail to notice it immediately. The ray, it was surmised, must strike the object directly before it can be seen. Aristotle was among those to point out that if this were true, we'd be able to see in the dark.

A thousand years ago the Arab scientist Alhazen argued that the pain we feel when we look at the sun is evidence that the light is entering the eye and not the other way around. Centuries later Leonardo da Vinci realized that the eye is akin to the camera obscura, pioneered by Alhazen, in which light passes through a pinhole into a darkened room and casts an inverted image of the exterior world onto a wall. Descartes later did a rather dramatic examination of the eyeball of an ox, scraping away the back of the eye and peering through it. He saw that the eye captures an inverted, upside-down image of the world. Why doesn't the world look upside down? Because our minds correct the image. Sight has both a physical and psychological element.

Modern Era

Light soon passed through the laboratory of Isaac Newton and never looked the same again. In the 1660s Newton demonstrated that white light is composed of all the colors of the spectrum. Using a prism, he broke sunlight into a rainbow, and then later used a second prism to cohere the colors back into white light.Newton believed that light was particulate-"multitudes of unimaginable small and swift Corpuscles of various Sizes, springing from Shining bodies at great distances one after another." Newton was such a giant on the scientific landscape that his rivals had little luck pushing the theory that light is a wave. The wave theory did not begin to rebound until the titans of 19th-century science joined the battle to understand light and overwhelmingly came down on the side of waves. It was James Clerk Maxwell, a Scot, who in the 1860s made one of the most essential breakthroughs. His studies revealed, light is an "electromagnetic" wave.

The particle versus wave debate wound up with a kind of truce, governed by quantum mechanics: Light is produced by changes in the energy levels of electrons. Light moves through space as a wave, but when it encounters matter it behaves like a particle. It simply doesn't fit into one of our neat little categories. The era of permanent uncertainty began in 1900, when Max Planck's experiments with heat



United Nations Educational, Scientific and Cultural Organization



International Year of Light 2015

radiation implied that light pounded against matter in discrete packets-quanta, he called them-like bullets from a machine gun. This seemed contrary to Maxwell's equations, and Planck was reluctant to believe it. But someone else was not SO. It's common knowledge that Einstein, in promulgating the special theory of relativity, destroyed the

mechanical, deterministic Newtonian universe. He achieved this theoretical breakthrough by thinking about ... yes, light. Einstein did "thought experiments," and in one he asked what would happen if you could ride a beam of light and look at an adjacent beam. Wouldn't the adjacent beam of light appear motionless? Maxwell's equations didn't seem to allow light to slow down or stop when moving through space. Einstein's answer-that light's speed is constant for all observers regardless of their own velocity-obliterated the classical conception of space and time. The groundwork was laid for Einstein by a famous experiment in 1887 by American scientists Albert Michelson and Edward Morley. The Earth, according to the orthodoxy of the time, moved through fixed ether that filled space. No one had ever detected this ether, but common sense required its existence. Michelson and Morley set out to detect it by measuring the speed of light when light beams traveled with, and perpendicular to, the motion of the Earth. They expected light to show the effects of the "current" of this ether as Earth hurtled along. It didn't. The speed

of light was the same no matter its direction. Scientists, including Michelson and Morley, hoped that the results were simply wrong. Einstein accepted them. There is no ether, he said. There's no absolute location in space. There isn't even any absolute time.

Einstein's relativity presents all manner of h e a d - s c r a t c h i n g

implications. It reveals that as objects approach the speed of light, time slows down. At the speed of light itself, time stops. This fact can help us think about the journeys made by starlight and galaxy light and quasar light across cosmic distances. If you were the light itself-if you could be the photon-you'd experience no time. That long journey would be instantaneous. Light offers high-resolution information across great distances (you can't hear or smell the moons of Jupiter or the Crab Nebula).

Light Sources

Mankind has found sources of light other than celestial object over the course of history. Fire is obviously the earliest of these: from the camp fires of our cave-dwelling ancestors to the spirit lamps still used where there is no electricity. But electricity is the source of artificial light today, starting with the invention of the incandescent light by Joseph Swan

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and Thomas Edison and progressing via fluorescent lighting to modern light emitting diode (LED) lights. Mankind has also learned to control light. The use of mirrors and lenses to divert light, or to magnify images, dates from pre-history. Microscopes and telescopes, using multiple mirrors and/or lenses are two closely related inventions from just a few hundred years ago. They allow us to study objects smaller than our naked eyes can see, and objects at large distances, whether ships at sea, or astronomical bodies at enormous distances. We can also send light from one place to another using optical fibres or 'light guides'. These allow us to use light to transmit large amounts of information, and to explore regions where we cannot go, such as in medical probes or endoscopes.

Future

The potential military applications of light are straight out of science fiction, and within a decade light may be the preferred weapon for zapping hostile missiles out of the sky. Light could even become the preeminent power source for long-distance space

> travel. The spaceship would have an ultrathin sail to catch the "wind" of light beamed from an Earth-based laser. In theory such a craft could accelerate to a sizable fraction of the speed of light-without carrying fuel. The more you look at the topic, the more you realize that our lives are built around light that our daily existence is

continuously shaped by that ambiguous stuff that dates from the beginning of time. From our technology to our spiritually, we are creatures of light.

Summary

Light being a powerful tool in the hands of humanity can make our lives better as time progresses. Evolution of human beings and that of knowledge about light has same roots with a parallel history. Light acts as an information carrier from past in the sector of Astronomy. In future as we evolve our friendship with light, world will become a better place to live.

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'Adolescence'

- Sanika Autade, M.A. Part I (Psychology)

'Adolescence' a word which will automatically gives goosebumps to each and every parent. It can be confirmed and said to be the most difficult challenge and the most crucial time-span in parenting. To which most of the parents would agree. In that case, I would like to differ a bit in this matter. Before a 'Why?' comes up in your mind you need to ask yourselves whether we really have full acknowledgement of what this word means. Even if your answer is a yes there might be some areas left untouched. Lets start a small incident.

Nisha, an 11 year old who is currently studying in 6th class at St.Sebastians secondary school was sitting in her room alone thinking over the fight which she just had with her parents. According to her, bunking school for one day and going to the mall with friends would have been really cool but her parents thought otherwise. The growing disinterest in studies along with a lot of distractions accompanying her age and the different changes in her body were making her do things which she wouldn't have thought of doing a year ago. The rebel in Nisha arose when her parents simply asked her. to get back to her room without explaining the drawbacks of bunking school. The following week the same situation repeated itself.

Nisha was accompanied by Aria in bunking school and visiting the mall. The picture in Aria's house was completely different. Her parents sat her down explained the importance of studies while having fun. Her Every parent wants Aria to be their son or daughter. It is easy as it looks yet difficult to practice. It wasn't just Aria who made the picture turn out so good but the explanation her parents provided her made her look objectively over the situation and let her take the decision. Aria's parents were aware of what she was going through and the changes which were taking place made their understanding towards her better.

The changes we are speaking about are due to the attainment of puberty. Initially the adolescence age range extended from 10-18yrs, but now it has changed to 8-20yrs. Puberty is said to be the onset of adolescence. Adolescence comes from the Latin verb 'adolescere' meaning to grow up or grow into maturity. During puberty the brain cells send signals to the gonads which stimulate the secretion of sex hormones. Menstruation defines the onset of puberty in girls while ejaculation of semen defines the onset in boys. Pubic hair, facial hair, developing breasts, change in voice and other changes follow puberty. The change is not restricted to just physical change, but in this stage the individual is simultaneously going through psychological, emotional, social, intellectual, cultural change and more. Changes on these levels confuse these teenagers and for a certain while they are unable to make difference between right and wrong. It's really hard to understand these brilliant minds wearing the hood of adolescence!

The protagonist of this stage is characterized

parents even agreed to take her and her friends to the mall whenever they wanted while focusing on going to school. Even after Nisha portrayed a perfect picture of the mall and the fun they could have. Aria preferred going to the school remembering her parent's advice.



by mood swings. Mood fluctuations are very common. Sometimes they crave for privacy, while sometimes they want attention. They love to mingle with peers and at times are influenced by them. There is a p r o m i n e n t communication gap between parents and teenagers.

A noticeable difference is observed in the relationship between parents and teenagers. An increase in arguments and communication disturbances occur due to differences in view points and perspectives and role expectations. These differences if left unresolved can create a negative impact on the future of both, the parents and the adolescent. Parenting styles play an important role in molding the behavior of teenagers.

How do you think we can improve this sensitive relation between the parent and their teenager? Try to recall that phase of your adolescence when you used to react the same way as your teenager is behaving today. So the question arises is that have you really accepted the fact that your child is passing through this change of transformation from a child to an adult in his/her life. These teenagers should be given freedom to explore and experiment themselves and lead their own way.

Adolescents are in a long quest of self-identity. In search of self, likes and dislikes, perspectives and while striving hard to give their life a meaning they lose themselves in a different world where parents feel left out. What the parents need to believe is that they are not going to be in this different world forever and that this quest would end someday, but until that day patience is to be observed. The acceptance of the fact that our kid is now an adolescent can change quite a few things. It's hard to accept this sudden change in them but they themselves are hard in shock because of the changes.

Teenagers crave for independence and privacy. but as parents we don't agree their wants and instead introduce more bonds to them and add more demands to the list like handcuffs. Teenagers ask for explanations and reasons for things they are asked to do and they appreciate the truth. If we as parents are clear as to why we demand certain things and why we put boundaries in certain areas we are able to explain them better and they are like to agree. They need to trust you and also need you to trust them. They need to know that you are not imposing certain things on them just because you feel they are right but if they are exposed of the benefits they would be getting they would likely agree with you. Teenagers like better when they are made a part of certain discussions and important decisions. We as parents should not consider them as kids at our convenience and adults at other. This will just confuse and frustrate them more.

Acceptance of certain behavior can help the bonding between the parent and the teenager. We need to consider that during this age the hormones do most of the decision making for them and that the mood swings which again are due to the hormones bring great turmoil's to their life and increase the confusion. Many a times we are unable to recognize the mood swings which creates a great tension between the two. Conflicts might even arise when perspectives clash, as the teenagers are forming new views and perspectives and many a times they are cut down by our own rigid beliefs.

The age long disputes between a teenager and his/her parents might actually reduce if we as parents, look back at our adolescence which might be shocking to realize that we were exactly the same and by taking a long look in the mirror we will see their future. And it definitely does not look bad to me, and with the help of a little guidance and trust the scenario might change completely. And unlike other adolescent-parenting stories, yours might turn out to be a really good memory!

Bridge yourself to your teenagers life with understanding!

RRR

Form IV

Statement about ownership and other particulars about

Modern College Magazine

Place of Publication : Pune

Periodicity of its Publication : Annual

Publisher's Name :

Principal Dr. Rajendra S. Zunjarrao

Modern College of Arts, Science

and Commerce, Pune - 411 005 (India).

Name of the editor : Narendra M. Naidu

Place of Printing : Shree Mudran Mandir, Pune - 411 030.

Name and address of individuals who own the paper and partners or shareholders holding more than one percent of total capital : Not applicable.

I, Dr. R.S. Zunjarrao, hereby declare that the particulars given above are true to the best of my knowledge and belief.

Principal Dr. Rajendra S. Zunjarrao

National Conference on "Dynamic Microbes: Role in Human Welfare" , $20^{\text{th}}\text{-}21^{\text{st}}$ February 2015



Prof. Dr. G. R. Ekbote, Chairman, Business Council, P.E.S., felicitating Padmashri Dr. Sharad Kale, Scientist, BARC.



Experts at Panel Discussion Session.

State level Seminar on "Freshwater Ecosystems of Maharashtra: Their Biota, Ecology and Health", 6th-7th February 2015



Dr. Rajendra Singh (Waterman of India) at Inaugural session.



Dr. R.M.Sharma, Ex. Director ZSI, Akurdi at Valedictory session.





Mr. Atul Kahate , Software Engineer and Writer -Invited talk.



Architect Prashant Deshmukh, Owner of PDA Associate, Pune - Concluding session.







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'College with Potential for Excellence' Status by UGC (2011)
NAAC Accredited with 'A' Grade (2010)