

MODERN

2012-13



**Progressive Education Society's
Modern College of Arts, Science and Commerce,
Shivajinagar, Pune - 5.**

- ***"Star College Status" by Department of Biotechnology, Government of India, 2013.***
- ***"College with Potential for Excellence" - Status by U. G .C., 2011.***
- ***NAAC Re-accredited with "A" Grade, 2010.***
- ***"Best College Award", University of Pune, 2008.***

Swami Vivekananda - 150th Birth Anniversary Youth Symposium

Shri. Mahendra Sethiya



Shri. Vishwasji Lapalkar



Inaugural session
Youth inspiration : Swami Vivekananda



Group discussion



Youth express their views

Moments captured by Shri Prakash Sabale (Office Staff)

॥ ज्ञानमयो भव ॥



Dr. Rajendra Zunjarrao
Principal

Prof. Anant Gosavi
Visitor

Prof. Shamkant Deshmukh
Secretary, P.E.S., Pune 5.
Vice-Pincipal

Dr. Yashwant Waghmare
Vice-Pincipal

Dr. Nayana Kulkarni
Vice-Pincipal

Prof. Sharad Chaudhari
Vice-Pincipal

Prof. Milind Waghmare
Vice-Principal

Prof. M. M. Rane
Vice-Pincipal, Junior College

Prof. A. A. Khandagale
Supervisor, Junior College

Mr. Ravindra Kale
Registrar

Progressive Education Society's

Modern College
of
Arts, Science and Commerce

Shivajinagar, Pune - 411 005

NAAC Re-accredited with 'A' Grade
College with Potential for Excellence
STAR COLLEGE STATUS

MODERN
2012-13

Magazine Committee

In-charge - Dr. Rajendra Zunjarrao

Advisor - Vice-Principal Prof. S. R. Chaudhari

Editor - Mr. Narendra M. Naidu

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Prof. Vinod Suryavanshi

Prof. Yogesh Thipse

Mr. Deepak Shah (Office)

Cover Design : Ms. Pranali Jorwekar (Past student)

Back cover : Winner Entries - Photography Contest

Upper : First Prize - Prof. Sairaj Patki

Lower : Third Prize - Prof. Apeksha Gawade

Both winners - Dept. of Psychology, Modern College, Pune 5.

Printed at
Shree Mudran Mandir, Pune - 411 030.

Progressive Education Society, Pune - 5. Institutions

(Estd.)	Phone
(1934) Modern High School, Pune - 5.	25535105
(1936) Prathamik Vidya Mandir, Pune - 5.	25535803
(1940) Sir Sassoon David Hostel, (for boys)	25535389
(1946) P. E. S. Girls' High School, Pune - 5.	25535540
(1967) Modern High School Pune - 53.	25653732
(1968) Shishu Vidya Mandir, Pune - 5.	25533472
(1968) Girls' Hostel, Pune - 5.	25535291
(1970) Modern College of Arts, Science and Commerce, Pune - 5.	25535102
(1976) Kindergarten and Primary English Med. School, (N.C.L. Campus), Pune - 8.	25893370
(1981) N. C. L. Secondary and Higher Secondary School, Pune - 8.	25893370
(1982) W. I. E. Badminton Complex, Pune - 5.	
(1985) Pre-Primary and Primary English Medium School, Pune - 5.	25520698
(1986) Shishu Vidya Mandir, Nigadi, Pune - 44.	27463605
(1986) Prathamik Vidya Mandir, Nigadi, Pune - 44.	27477507
(1989) Modern Centre For Career Guidance, Pune - 5.	25521869
(1990) Shishu and Prathamik Vidya Mandir, Pune - 53.	25656672
(1991) Modern High School, Bhose (Tal. Khed), Pune.	(952135) 274108
(1991) Institute of Management and Career Development, Nigadi, Pune - 411 044.	27473525
(1991) Montessorie Teachers' Training Course, Pune - 5.	25533472
(1991) Pre-Primary and Primary English Medium School, Nigadi, Pune - 44.	27475496
(1992) Modern High School, Nigadi, Pune - 44.	27454779
(1992) Modern College of Arts, Science and Commerce, Pune - 53.	25654021
(1993) Modern English Medium High School, Pune - 5.	25533481
(1994) P. Nehru Shishu and Prathamik Vidya Mandir, Warje, Pune - 52.	25231737
(1997) Modern Centre for Information Technology and Research, Pune - 5.	25536502
(1998) Modern College of Pharmacy, Nigadi, Pune - 44.	27487560
(1999) Modern College of Engineering, Pune - 5.	25533648
(2000) Modern High school, English Medium, Nigdi, Pune - 44.	27475496
(2003) Modern Law College, Pune - 53.	25678987
(2003) Modern Junior College (Science) Pune - 44.	27454779
(2004) Modern College of Special Education Pune - 5.	25530670
(2004) Modern College of Pharmacy, Moshi, Dist. Pune (for women)	56310704
(2006) Modern College of Nursing, Pune - 5.	25535132
(2006) Modern College of Education, Pune 5.	25530670
(2006) Modern College of Computer and Business Studies, Pune - 5.	25536502
(2007) Modern College of Physiotherapy	65212950
(2007) Modern College of Computer and Business Studies, Nigdi.	65002034
(2009) Modern College of Agriculture Biotechnology, Paud, Tal. Mulshi.	
(2010) Modern Institute of Business Management, Pune 5.	25536502
(2010) Modern High School (Eng. Med.) Pune 58.	25231737

The Pioneer



Late Shri. Shankarrao Kanitkar
Founder
Progressive Education Society
Pune 5.

We are Proud of You
Glorious Moments on Kanitkar Day



Felicitation of Prof. Vilas Alhat on 'Kanitkar Day'
BEST Teacher Award at the hands of Vice-Chancellor Dr. Vasudeo Gade,
in presence of
Dignitaries of P. E. Society.



Felicitation of Mr. Deepak Shah on 'Kanitkar Day' -
BEST Non-Teaching Staff Award at the hands of Dr. Kantilal Sancheti
in presence of
Dignitaries of P. E. Society.

Our Inspiration



Message

Progressive Education Society's Modern college of Arts, Science and Commerce, Shivajinagar, Pune-5 was established in 1970, as the first senior college of P.E.Society. This institution was 'a-dream-come-true' of the two visionary educationists; founders of P.E.Society- late Shankarraoji Kanitkar and late V.T. Tatake. With the various achievements and awards, reflecting grand success of this institution, I feel that this college has reached a brilliant destination today, and it will keep on achieving milestones in future.

Modern College of Arts, Science and Commerce, has already been honoured with 'Best college Award' by University of Pune, Grade 'A' by NAAC and 'CPE' Status by UGC. The college has organised various academic, co-curricular and extra-

curricular activities during this academic year 2012-13. Organisation of various workshops, State level , National level conferences and International seminar in languages, establishment of digital store room , digital library and virtual laboratory have been some of the note-worthy achievements during this academic year.

Here, I am proud to mention that the college has been awarded with "Star College' status by Department of Biotechnology, Ministry of Science and Technology, Government of India in March 2013. This is certainly a feather in the cap of "team Modern"

I give full credit for all these commendable achievements to the leader of "Team Modern" Dr. Rajendra Zunjarrao and local managing committee of this college which consists of senior educationists like Prof. P.S.Chirputkar, Prof. Dr. A.K. Pande and Prof. Mrs. J.G. Ekbote.

The Vice Principals Prof. S. S. Deshmukh, Dr. Y.R. Waghmare, Dr. Mrs. N.J. Kulkarni , Prof. S.R. Chaudhari, Prof. Milind Waghmare and Prof. M.M. Rane have been assisting with positive attitude. I am happy to mention that all the staff members (Teaching and non-teaching) are responsible for the success and a number of achievements of the college.

Modern college is an "ASSET" to Progressive Education Society as well as University of Pune. I wish the college and its staff my very best wishes to strengthen this "ASSET" further.

I express my best wishes to the Principal, All LMC members, the staff members and students of this "Star 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 with you all, my feelings at the completion of another successful academic year. In the year 2009-10 our college was re-accredited by NAAC with 'A' grade. In the year 2011-12 we were conferred the status of 'College with Potential for Excellence' (CPE) by UGC.

It gives me great pleasure to inform you all, that this year our Modern College of Arts Science and Commerce, Shivajinagar, Pune-5, has been awarded the 'STAR COLLEGE' Status by Department of Biotechnology (DBT), Ministry of Science & Technology, Government of India. We are one of those few privileged institutes who have gained this special status. The cover story gives details of the journey towards success of getting this award.

Undoubtedly, this is a matter of pride and honour for us. Our entire team of teaching and non-teaching staff and students need to be congratulated for their efforts leading to this success. However, we need to remember that this also adds more responsibilities on us. We need to prove that we do deserve this special status.

In this academic year 2012-13, we could take few more successful steps towards use of ICT in teaching, learning and administration. Some of these are issuing of identity cards to students on the same day of admission, SMS service for urgent

correspondence with students, on-line attendance system, digital record room, digital library and virtual laboratory.

The college has maintained the tradition of successful organisation of International conference, National conference and State level conferences, in addition to several workshops and lecture series for the quality enhance of teaching and research. I wish to congratulate all concern staff members and students for making these events successful.

Members of the teaching staff have been striving hard to reach higher academic standards without compromising with their teaching assignments and routine college activities. They take extra pains to foster to the all round development of students.

The unique feature of this academic year was activities and achievements of students in Sports, NSS, NCC, Cultural activities, Academics and Research. To name a few: YUVA (Youth Unite for Voluntary Action) Meet 2013, held at new Delhi, Ignited Innovators of India, BHAU Institute of Innovation, Entrepreneurship and Leadership [BIEL] competition organised at COEP where our students bagged first prizes in two categories out of 200 entries, achievement of Biotechnology students at IIT Mumbai, Robotics competition at National level organised by MIT Pune, etc. This has helped the college to scale higher positions in academic as well as co-curricular and extra-curricular fields.

I would like to thank authorities of Progressive Education Society, particularly Hon'ble Prof. Dr. G.R.Ekbote, Chairman, Business council, P.E. Society for the valuable guidance and encouragement given by him. We are grateful to Local Managing Committee Chairpersons Prof. P.S. Chirputkar, Dr. A.K. Pande and Prof. Mrs. J.G. Ekbote for their active support, guidance and encouragement to us.

I am indeed very happy to see that the Magazine Committee has taken painstaking efforts and ensured that a good quality magazine is printed in the given time span. I wish to congratulate all the members and Chairperson of the Annual 'Modern Magazine' Committee.

Thank you,

Dr.Rajendra Zunjarrao,
Principal

International Conference
 “Employability enhancement through Proficiency in Indian & Foreign Languages”
 Organized by Department of Languages
 (Sponsored by ICSSR, New Delhi & BCUD, University of Pune)



Inaugural Session

Dr. Z. N. Patil, P.E. Society's Secretary Prof. S. S. Deshmukh,
 Principal Dr. R. S. Zunjarrao, Dr. Roger Nunn (Professor, Petroleum University,
 Abudhabi) and Dr. Pramod Telgiri (Vice Chancellor, Multiversity), Dr. Vijay Khare
 (Director , International Students' Center, University of Pune)
 Dr. Anja Hallacker (Director DAAD) and Vice Principal Dr. Nayana Kulkarni.

National Seminar

'Emerging Trends in Indian Commerce and Industry'
 Department of Commerce



Inaugural Address by Dr. Sunil Shete

(Joint Director, Higher Education, Pune Region).

On dias: Prof.R.W.Kulkarni, Vice-Principal Dr. Y. R. Waghmare,
 Principal Dr. R. S. Zunjarrao, Dr. Sanjay Kaptan, (Head, DCRC, Pune University),
 former Principal Prof. A. G. Gosavi and Vice-Principal Prof. S. R. Chaudhari.

राज्यस्तरीय चर्चासत्र 'मराठी विनोदी कथा : स्वरूप आणि सादरीकरण'



डॉ. स्नेहल तावरे लिखित 'पारिभाषिक संज्ञा कोश' या पुस्तकाचे प्रकाशन डॉ. प्र. चिं. शेजवलकर यांच्या हस्ते झाले. डावीकडून डॉ. स्नेहल तावरे, प्रा. शामकांत देशमुख, प्रा. सौ. ज्योत्स्ना एकबोटे, डॉ. ह. नी. भोसले, डॉ. प्र. चिं. शेजवलकर आणि प्राचार्य डॉ. राजेंद्र झुंजारराव.



मराठी विभागाच्या चर्चासत्रामध्ये श्री. बाळासाहेबांचा सत्कार करताना डॉ. स्नेहल तावरे (श्री. बाळासाहेब हगवणे यांचे दि. ३१ मार्च २०१३ रोजी दुःखद निधन झाले. याच अंकात श्रद्धांजलीपर लेख समाविष्ट आहे.)

Just a Few Words...

Dear Readers,

Our Annual College Magazine Committee, with a sense of accomplishment brings "MODERN 2012-13" to your hands. It has been an enjoyable exercise collecting material, selecting, compiling, editing and finally shaping it into an Annual magazine.

This gave us an opportunity to know more about our own college through exhaustive reports of various departments, committees, schemes and associations. Putting all this jigsaw puzzle pieces into a whole picture was quite challenging. We have tried our best to come out with a realistic picture of our college. We expect that you too will enjoy the tour of our college through these reports.

Literary contributions by the students and staff have enriched the quality of our magazine. This section includes stories, articles, essays and poems. This served as a nice platform for the hidden talents of our colleagues and our students. We hope you will like the interesting and informative inputs here.

Photographs of various events and activities at local and International level will surely bring vivid memories of the strides that our college has been taking.

The Cover design by Ms.Pranali Jorwekar(our past student), effectively depicts the progress of our college towards STAR COLLEGE Status. It also conveys the message that striking a balance in all odds and evens is possible only when it is a cooperative endeavour. Team work leads to success.

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 guidance and encouragement. We thank our colleagues, the office staff, non-teaching staff and students for their support. Special thanks to Prof.S.R.Chaudhari, the Advisor of our Committee for guiding and helping us at all times in all possible ways.

Prof. Jayant Jorwekar and Prof. Rajeev Kulkarni have been our inspiration and guiding force.

Thanks are due to Photographer Shri. Hemant Date. We highly appreciate the whole-hearted cooperation of Shri. Madhav Nagpurkar of Shree Mudran Mandir, Ms. Rasika and Shri. Avinash Kadhe.

We request you all to bear with us for lapses, if any and to give your valuable suggestions.

Narendra M. Naidu
Editor

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प्रशासनातील आधारस्तंभ



मा. प्रा. डॉ. गजानन एकबोटे
कार्याध्यक्ष, प्रो.ए.सो.



मा. प्रा. शामकांत देशमुख
कार्यवाह, प्रो.ए.सो.
उपप्राचार्य



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



मा. प्रा. डॉ. अ. के. पांडे
प्रोफेसर इन्चार्ज जैवतंत्रज्ञान
व सूक्ष्म जीवशास्त्र



मा. प्रा. ज्योत्स्ना एकबोटे
अध्यक्षा, कनिष्ठ महाविद्यालय
स्थानिक व्यवस्थापन समिती



मा. प्रा. अनंत गोसावी
व्हिजिटर



मा. प्रा. डॉ. यशवंत वाघमारे
उपप्राचार्य



मा. प्रा. डॉ. नयना कुलकर्णी
उपप्राचार्य



मा. प्रा. शरद चौधरी
उपप्राचार्य



मा. प्रा. मधुकर राणे
नवनियुक्त उपप्राचार्य
कनिष्ठ महाविद्यालय



मा. अशोक खंडागळे
नवनियुक्त पर्यवेक्षक
कनिष्ठ महाविद्यालय

Congratulations



Dr. Ashok V. Kamble
Recognition as Ph.D. Guide
Member - Audit committee
University of Pune



Dr. Arun M. Bhalerao
Appointed as the
Head of Dept. of Zoology



Prof. Balkrishna B. Yenage
Promoted to
Captain Rank



Prof. Ashok V. Kamble
Promoted to
Lieutenant Rank



Prof. Vilas Kamble
Awarded Ph.D.
in Geography



Prof. K. D. Gopale
Awarded Ph.D.
in Botany



Prof. Vaishali Aher
(Junior College)
M.Ed. - First Class



Shri. Umesh D. Gore
'Master of Library and
Information Science'



**Darshan Shah and Sharvani Navangul of Std. XII with SYMCOM Trophy
Intercollegiate Quiz Competition**

Congratulations



Sharvani Navangul
Std. XII
Best Student
Junior College



Vikram Gawade
T.Y.B.Com.
Best Student
Senior College



Sagar Shinde
MCA - I
Best Student
PG Wing



CDT Meghana Garud
F.Y.B.Sc.
Best Cadet
Army Unit



JUO Abhishek Gosavi
S.Y.B.A.
Silver Medal in
Health & Hygiene Camp
Thal Sainik Camp



Ankit More
F.Y.B.A.
Senior Under Officer
Army Unit



Sagar Sadre
All India NAU-SAINIK Camp
at Vishakhapatnam
3 MAH NAVAL UNIT NCC



Vishwanath Bhoi
F.Y.B.Sc.
Selected for NDA Army



Shilpa Raju
T.Y.B.Com.
Avishkar (State Level)



Shraddha Khatri
MCA-I
Avishkar (State Level)



Sneha Sakpal
2011-12 batch
Selected in Indian army,
3rd rank -
All India Merit List.

Sports ~ Senior College



Rohit Sanjay Kadam
Wrestling
State



Aishwarya A. Shetty
Netball - 3rd place
Korfball - 1st place
Interzonal



Deepika S. Jamburkar
Cycling
National Road Champ



Prafull A. Rokade
Interzonal Koftball - 1st Place



Akash Barkul
National - Shooting



Sheetal L. Yadav
Lawn Tennis
All India Inter University



Sayali V. Kardekar
Volleyball
Inter-University-1st place



Vishal Muluk
Korfball - State



Rohan B. Joshi
Chess - National



Swapnil Jarande
Softball - State

Sports - Senior College - Winner Teams



2nd Place.
Intercollegiate Handball (M)



2nd Place.
Intercollegiate Netball
Competition



2nd Place.
Intercollegiate Kho Kho (W)



2nd Place.
Intercollegiate Volleyball (W)



3rd Place.
Intercollegiate Baseball (M)



3rd Place.
Intercollegiate Kho-Kho (M)

Sports ~ Junior College



Nirvan Salave
Shikai, Marshal & Chaikendo
State-Gold



Rushav Sahu
Taikondo
District-Bronze



Saniya Tamboli
Chaikando
State-Gold



Mamata Gahan
Shikai, Marshal
Zonal-Gold



Manisha Barsawde
Athletic
District-Bronze



Tejal Sonavane
Wrestling
Zonal-Gold



Niraj Chavan
Basket Ball
National



Amay Gayal
Swimming
Zonal-Bronze



Rushikesh Sapkal
Cycling
District-District



Neggi Bina
Kickboxing
National-Bronze



Radha Gokhale
Skating
National-3rd place

Hockey Team
Interschool - 1st place
Interzonal Tournament
- 3rd Place -





'Lecture on Union Budget 2013' organized by Department of Commerce and Department of Economics.

On dias : Prof.Mrs.M.M. Satam, Prof.A.G.Goasavi, CA Mr.Bharat Phatak, Vice-Principal Dr.Y.R.Waghmare, Mr.Shriram Wagh and Vice-Principal Prof.S.R.Chaudhari



A workshop on cooperative learning.

Resource persons : Dr. Yael Sharan, Israel and Dr. Lalita Agashe, Pune.
Coordinator : Dr. Sushama Joag



Foreign Delegation from Penn State University, U.S.A. - Interaction with faculty members of our college.

Dr. Madhu Satam, Chairperson Staff Academy welcomes the delegation.



पुणे विद्यापीठ व मॉडर्न युवा मंच आयोजित एकदिवसीय कार्यक्रम.
विषय - समुपदेशन. उद्घाटन करताना - प्राचार्य डॉ. राजेंद्र झुंजारराव.
डावीकडून बसलेले - समन्वयक - प्रा. सुनीता पुरोहित. व्याख्यात्या - डॉ. तनुजा खेर.



युवा मंच - एकदिवसीय व्यक्तिमत्त्व विकास कार्यक्रम
समन्वयक - प्रा. सुनीता पुरोहित. वक्त्या - श्रीमती अलका जोशी, प्रा. शुभांगी जोशी
अध्यक्ष - डॉ. नयना कुलकर्णी - उपप्राचार्य कलाशाखा.



वार्षिक शैक्षणिक पारितोषिक वितरण समारंभ :
डॉ. पंडित विद्यासागर यांच्या हस्ते पदव्युत्तर विभागातील Best Student Trophy स्वीकारताना
सागर शिंदे (MCA-I). सोबत प्राचार्य डॉ. राजेंद्र झुंजारराव व उपप्राचार्य प्रा. शरद चौधरी.

Many of us know five star status of various organizations, let's know about the Star College status that is awarded to our college recently. Government of India, Ministry of Science and Technology, Department of Bio-technology awarded '**STAR COLLEGE**' Status to our college in March 2013. Here is an attempt to explain this concept in detail.

The Department of Biotechnology (DBT), Ministry of Science and Technology, Government of India, New Delhi has selected Modern College of Arts, Science and Commerce, Shivajinagar for financial assistance under the **Star College scheme**. This scheme is for improving analytical thinking, innovations in teaching and learning and to improve hands on experimental work at the undergraduate level in Life Sciences.

Under the scheme, DBT identifies colleges from all over India with ambition and potential for excellence, which provides academic and physical infrastructure for achieving excellence in teaching, providing unique exposure to students by experimental science. Our college is one out of 28 colleges in India selected for financial assistance under the scheme. Four Life Science departments viz. Botany, Zoology, Biotechnology and Microbiology have been selected for this programme and financial grant of Rs. 47 lakhs is sanctioned under this scheme.

Dr. Mrs. Deepti Deobagkar, Professor in Zoology from University of Pune visited our college in the capacity of committee member in 2010. After getting notable information about the college Dr. Mrs. Deobagkar suggested to apply for Star college scheme of Department of Biotechnology, Government of India. College authorities studied the scheme and resolved to apply for this scheme. While preparing the Star college proposal, several meetings of Life Science departments were conducted. Heads of the Life Science provided all necessary inputs needed to prepare the proposal. Actually, our proposal was slightly late for submission, but it was considered positively and favourably for the next year's budget. Accordingly, on 6th November 2013 Dr. Suman Govil, Scientist 'G' DBT and In-charge of star college scheme, forwarded an e-mail regarding presentation for star college Scheme at DBT, New Delhi and by following all necessary steps our college was selected for this scheme.

Star college scheme is mainly for strengthening of Life Science education and training at undergraduate level, financially supported by Department of Biotechnology, of Ministry of Science and Technology of Government of India. Progressive Education Society's Modern College, Ganeshkhind, received this status of Star College last year, and our Modern College, Shivajinagar received status of Star College this year. These are the only

two colleges from Maharashtra to get this prestigious Star college award by Department of Biotechnology, Government of India. After successful implementation of the strategy, these colleges will be considered as Life Science 'Star Colleges'.

The focal objectives of this scheme are (1) To strengthen the academic and physical infrastructure for achieving excellence in teaching and training (2) To enhance the quality of the learning and teaching process to stimulate original thinking through 'hands-on' exposure to experimental work and participation in summer schools (3) To promote networking and strengthen ties with neighbouring institutions and other laboratories (4) To conduct specialized training programmes for faculty improvement for optimizing technical capabilities (5) To increase capabilities of core instrumentation resources by procuring new equipment and upgrading of existing facilities (6) To provide access and exposure to students to research laboratories and industries in the country (7) To help in devising standard curricula and Standard Operating Procedures (SOP's) / kits for practical and to provide better library facility to students and teachers .

Eligibility to qualify for star college status are (1) College should have completed minimum 10 years in offering UG courses in the specified subjects (2) Minimum 4-5 UG courses in basic life science such as Botany, Zoology, Applied Life Science, Microbiology, Physiology / Biochemistry, Biotechnology, etc. and 1-2 applied course/PG diploma courses or minimum two honours course in any discipline of life sciences at undergraduate level (3) About 5-6 permanent faculty in each science department and minimum 3 faculty with Ph.D. (4) Independent laboratories for practical to accommodate at least 10-15 students at a time (5) Lecture halls/rooms for theory classes with minimum capacity for 20-25 students at a time (6) Basic infrastructure and facilities in laboratories, library like LCD / overhead projection facilities , computers with internet access etc. Our college satisfies almost all of these eligibility criteria.

Activities to be performed as part of star college are by two ways- one as activities for faculty improvement and another is for students.

As far as activities for faculty are considered a few of them are: (1) Participation in Summer courses for skill upgradation to be able to train students (2) Curriculum change to ensure more, 'hands-on' laboratory work (3) Greater emphasis on communicating research and research process to students (4) Introduce internal review process by students (5) Feedback from students regarding competence of faculty, adequacy of teaching / laboratory environment and additional needs, if any (6) Continue to think and assess use of funds to improve teaching / learning and any other relevant additional information to enrich teachers capabilities for teaching basic sciences.

Activities for the students that are to be conducted under this scheme are (1) Students training through summer training, industry visits (2) Use of ICT in classroom, laboratory and library activities (3) Inclusion of techniques

for 'hands-on' training and any other relevant additional information to learn basic science by the students .

Nature of financial assistance under star college scheme by DBT is one time non recurring grant up to a maximum of Rs. 10 lakhs for each science department (Botany, Zoology, Microbiology, Biotechnology) and recurring grant of Rs. 2 lakhs / year for consumables, Rs. 1 lakh/year for contingency to cover expenses on visiting faculty, guest lectures, seminars etc. for each department will be provided initially for a period of 2 years. Continuation of support for another 3 years will be based on evaluation of performance.

Selection procedure for this status is, applications are invited through advertisement on DBT website, direct correspondence with potential colleges, nominations by Vice-Chancellors etc. in a specified format. Consideration is given to regional requirements, women's colleges, autonomous colleges etc. Applications are screened by an expert committee and site visit, if required, undertaken to arrive at final decision. Decision of peer committee is final.

We had applied for Star college scheme in December 2011, and after correspondence DBT considered our application for the next year since the presentations for 2011 year were already scheduled.

In November 2012, DBT invited us for a presentation of our star college proposal to an expert committee at New Delhi office on 20th December 2012. Principal Dr. R.S. Zunjarrao and Vice Principal Prof. S. R. Chaudhari prepared and successfully presented our Star College proposal in front of Expert Committee to review ongoing programme and examine proposals received for support under Star College scheme of Department of Biotechnology, Lodi Road, New Delhi-110003 under the Chairmanship of Prof. R.N.K. Bamezai, Vice Chancellor, Shree Mata Vaishno Devi University, Katra, Jammu.

Before the final presentations, many inputs improved the contents of presentation with valuable guidance from Principal Dr.S.S. Kharat, Modern College Ganeshkhind and Principal Dr.R.G.Pardeshi, Fergusson College. Also Dr. S.Y. Paranjape, former Principal of our college guided us regarding activities that could be covered under Star College scheme. All staff members from Life Science departments from our college contributed continuous efforts to make this proposal ultimate for sanction by DBT.

During the presentation our college was the only college to put up the proposal in proper manner with printed bound copies of presentation in the hands of committee members. Chairman of committee appreciated progress of our college and mentioned highlights of our proposals to other delegates who had arrived to represent their star college proposal. We were sure after presentation, about the chances for selection of our college for Star college status. It was a great experience to present the proposal in front of expert committee consisting of members like Vice Chancellors, Subject experts from various states and Government nominees.

On 15th February 2013, it was confirmed that the proposal has been examined by an Expert committee in the meeting held on 20th Dec 2012, and has been recommended for support under strengthening component of the Star College Scheme to the various departments (Botany, Zoology, Biotechnology & Microbiology) by Dr. Padma Singh, Scientist 'C' DBT and coordinator of Star College scheme, through an e-mail requesting to convey our college Bank Account information details to DBT as early as possible.

Other additional information along with bank details was provided to DBT on 6th March 2013. Final documents were sent on 18th March 2013 after getting clarifications from DBT by telephonic contact. Finally on 6th April 2013 a letter has been received from DBT about sanctioning of Rs. 47, 00,000/- under Star College Scheme to our college.

Now the success of this scheme will be determined by DBT with the parameters like: (1) Substantial increase in proportion of 'hands on' experimental work by students (2) Increased access of undergraduate students to laboratory and bioinformatics infrastructure (3) Improvement in access to Life Sciences related journals (4) Summer schools (5) Percentage of students pursuing Life Science as a career and measure effectiveness on the basis of feedback from students, faculty and employers of students.

Our college received 'Best College' award of University of Pune in 2008, It was re-accredited with grade 'A' by NAAC, Bangalore in 2010, University Grants Commission awarded our college as 'College with Potential for Excellence' CPE award in 2012 and now in 2013 one more achievement 'Star college' by DBT, Government of India. All these achievements are due to continuous efforts by all staff members and students as well as encouragement and valuable guidance by management of Progressive Education Society, our parent body.

I am thankful to Principal Dr. R.S. Zunjarrao and College authorities to give me an opportunity to work as Coordinator of the Star College Scheme sanctioned by Government of India, DBT. Principal Dr. R.S. Zunjarrao and I are thankful to DBT for selecting our college under Star College Scheme to improve teaching and learning in life sciences.

We are thankful Prof. Dr. G.R. Ekbote, Chairman of Business Council, Prof. S.S. Deshmukh, Secretary of P.E. Society, Prof. Mrs. Jyotsna Ekbote, Dr. A.K. Pande, Prof. P.S. Chirputkar and Prof. S.S. Thengadi, Academic and Research co-ordinator of our college, for giving continuous support to us for the progress of Modern College.

We are also thankful to all staff members of Life Science departments in our college for their support enormous efforts. With all these achievements our college will shine as a Star College among all the colleges in India.

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International Conference

Dr. Nayana Kulkarni - Vice Principal, (Organising Secretary)

An International Conference on **“Employability enhancement through Proficiency in Indian & Foreign Languages”** was organized in Modern College of Arts, Science & Commerce, Shivajinagar, Pune 5; from 28th to 30th January 2013. The Conference was also sponsored by ICSSR, New Delhi & BCUD, and University of Pune.

The Conference was inaugurated by Dr. Roger Nunn (Professor, Petroleum University, Abu Dhabi and Chief Editor, Asian EFL Journal) and Dr. Pramod Telgiri (Vice Chancellor, Multiversity; former Vice Chancellor EFLU).

Dr. Vijay Khare (Director, International Students' Center, University of Pune), Dr. Z. N. Patil, P.E. Society's Secretary Prof. S. S. Deshmukh, Principal Dr. R. S. Zunjarrao and Vice Principal Dr. Nayana Kulkarni were present on the occasion.

The Conference was organized in seven sessions. Professionals, students, professors in India and abroad participated in the conference. Resource persons from India as well as Abu Dhabi, Russia, USA, Israel etc. guided the participants.

Session 1- Translation Session:

1. **Mr. Sandeep Nulkar** emphasized that efforts should be made on various levels for creating job opportunities for language students.
2. According to **Dr. Dhirawit** English is a common language of communication in Asian Countries.
3. **Dr. Ravi Kumar** explained the need to learn foreign language for enhancing employability. Language learning and proper application of language would enhance the employability of students.
4. **Dr. Anagha Bhat** explained the process of translation and the concept of domain language.
5. **Dr. Sumedha Desai** focused on intellectual competence.

Session 2- Publication Session:

1. **Ms. Pratibha Gopujkar** stressed recent technological developments in publication industry.
2. **Dr. Sunanda Mahajan** explained the importance of written documentation.
3. **Dr. Rajur Bhargava** emphasized on the importance of planning and organization in writing.

Session 3- Creative Writing:

1. **Dr. Sameeran Walwekar** emphasized the importance of language in media.
2. According to **Dr. Triveni Goswami** writing for newspapers and magazines is not fiction but is fact writing. Language should be simple and easy.
3. **Dr. Mrunal Dhongde** opined that while writing for media or in website writing; simplicity, clarity and correctness are important.

4. **Dr. S. B. Gokhale** Chairperson of the session shared some useful ways of improving writing skills among students.

Session 4- Tourism/Hospitality:

1. **Ms. Anjaleena Soni** referred to importance of body language in corporate sector and adaptability to cultural diversity.
2. **Ms. Janki Narkar** suggested that along with foreign language one should understand culture & work culture of different countries.
3. **Dr. Anil Sarwal** Chairperson of the session concluded the session.

Session 5- BPO/IT Industry:

1. **Mr. Rajeev Deosthali** pointed out wide gap between college teaching & industrial expectations. He suggested that development of soft skills, hard skills and life skills will help to bridge this gap.
2. **Prof. Anthony Thomas** stressed that grammar, pronunciation, vocabulary and usage of language is important while learning language.
3. **Mr. Abhiraj Purandare** made the students aware about new opportunities in subtitle writing, IT application, games etc.

After this session various papers related to conference theme were presented by participants. Poster presentation was also organized.

Session 6- Technical Writing:

1. **Ms. Leah Guren** concentrated on four important aspects of technical writing. They are language, human factor, technology, and design.
2. **Mr. Makrand Pandit** explained that technical writing was not recognized in olden days, though it has got recognition now, it has some short comings.
3. **Ms. Jagori Mukharjee** threw light on transferable skills for the teachers and difference between literature and technical writing.

Session 7- Panel Discussion and Valedictory Function

The valedictory function was chaired by Mr. Zubin Kabra, Director, German Chamber of Commerce. In his valedictory speech, he said that with the specialization in techno-legal & techno-commercial language, ample job opportunities for translators-experts in German, Spanish, Japanese & French will be created in near future.

Secretary of P.E.Society Prof. S. S. Deshmukh, Principal Dr. R. S. Zunjarrao and Dr. Vijay Khare also spoke on this occasion.

Prof. Mrs. Purohit (HOD, Hindi), Prof. Mrs. Kuvalekar (HOD, German) and Prof. Mrs. Taware (HOD, Marathi) worked as coordinators & Mrs. Alka Kamble (HOD, English) worked as Chief coordinator for this conference, Ms. Deepali Lodh worked as editor, Mrs. Pallavi Math worked as coordinator for correspondence, Ms. Sangita Sarma worked as a coordinator of the guests. Mrs. Beena Muttalgi, Mr. P. M. Sambare, Mrs. Vandana Joshi and Shrikant Kamble also helped to make this conference successful.

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National Level Seminar on 'Emerging Trends in Indian Commerce and Industry'

Dr. Y.R. Waghmare - Vice-Principal (Director, Seminar)

Department of Commerce of our College had organised a two-day National Level Seminar on 'Emerging Trends in Indian Commerce and Industry' on 23rd and 24rd March, 2013. It was inaugurated by Dr. Sunil Shete, Joint Director, Higher Education, Pune Region on Saturday, 23rd March, 2013. On this occasion, Principal Dr. R. S. Zunjarrao, former Principal Prof. A. G. Gosavi, Vice-Principal Prof. S. R. Chaudhari, Dr. Sanjay Kaptan, (Head, DCRC, Pune University) and other dignitaries were present. At the inaugural session, Dr. Y. R. Waghmare, Vice-Principal and Seminar Director introduced the theme of the Seminar. In his key-note address, Dr. Sunil Shete urged the need for proper utilisation of available resources and skill enhancement.

In the first technical session Dr. Smita Totade, (CIO, National Insurance Academy) discussed the emerging issues in E- Commerce. She gave valuable inputs for safely using internet and other e-based facilities. In the second technical session, Prof. Rasika Date discussed the recent trends in financial management with reference to sustainability, risk management, value management and ethical practices. Both the sessions were chaired by Dr. Sanjay Kaptan. He also discussed a few innovative financial products.

On Sunday, 24rd March, 2013, the third technical session was chaired by Dr. Girija Shankar (Vice-Principal, Ness Wadia College of Commerce, Pune). Mr. Bhalachandra Kerkar spoke on the performance of Life Insurance Corporation of India in the wake of privatisation of Insurance Business. He also discussed emerging trends in Insurance business. Dr. Bipin Deokar took an overview of developments in Banking and discussed the pros and cons of the decision of the Government to allow Corporates to start a Bank. In the fourth technical session, Dr. Shekhar Joshi discussed the pros and cons of Foreign Direct Investment in retail. In the fifth technical session, Dr. C. N. Rawal, Principal, BMCC, Pune spoke on privatisation of higher education. Research Papers were presented in the sixth session by Prof. Sunita Gosavi, Prof. Surekha Palve, Jalgaon, CMA Dr. R. W. Kulkarni and CA Rasika P. Date. The session was chaired by Dr. A. P. Kulkarni. This session was followed by Valedictory session, which was also chaired by Dr. A. P. Kulkarni. In his address, Dr. A. P. Kulkarni took an overview of changing scenario in Higher Education.

The session was attended by Principal Dr. R. S. Zunjarrao, Registrar R. P. Kale and other dignitaries. On this occasion, Seminar Co-ordinators Dr. Sanjeevani Rahane, Dr. Ashok Kamble and CMA Dr. R. W. Kulkarni were felicitated and the contribution of members of staff of the Commerce Department as well as other departments was acknowledged.

The Seminar was attended by 328 delegates including college teachers and students. Special efforts were taken by Prof. Prajakta Sabne and Prof. Anjali Sengupta, (Visiting Faculty Members of the department). The sessions were compered by CMA Dr. R. W. Kulkarni, Prof. Vijay Gaikwad and Dr. Sanjeevani Rahane. Prof. Shraddha Hirwe proposed the vote of thanks.

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मराठी विनोदी कथा - स्वरूप आणि सादरीकरण (संयोजन व्यवस्थापन)

डॉ. स्नेहल तावरे - विभाग प्रमुख मराठी (प्रमुख संयोजक)

मराठी संशोधन केंद्र व मराठी विभाग आयोजित आणि पुणे विद्यापीठ पुरस्कृत 'मराठी विनोदी कथा : स्वरूप आणि सादरीकरण' या विषयावरील राज्यस्तरीय चर्चासत्र दि. ४ आणि ५ फेब्रुवारी २०१३ रोजी आयोजित करण्यात आले होते. चर्चासत्राचे उद्घाटन डॉ. प्र.चिं. शेजवलकर यांच्या हस्ते झाले. प्रमुख पाहुणे म्हणून डॉ. द. ता. भोसले, प्रा. सौ. ज्योत्स्ना एकबोटे, प्रा. शामकांत देशमुख आणि प्राचार्य डॉ. झुंजारराव उपस्थित होते. या प्रसंगी डॉ. स्नेहल तावरे यांच्या 'पारिभाषिक संज्ञा कोश' या पुस्तकाचे प्रकाशन मान्यवरांच्या हस्ते झाले.

या चर्चासत्राचा उद्देश सांगताना चर्चासत्राच्या संयोजिका डॉ. स्नेहल तावरे यांनी विषद केले की जागतिकीकरणाच्या प्रक्रियेत सर्वच स्तरांवर माणूस अधिकाधिक अंतर्मुख होत चाललेला दिसून येतो. वाढते ताणतणाव आणि धावपळीची व्यग्र जीवनशैली यांचा परिणाम व्यक्तिमत्त्वावर होत असतो. आधुनिकतेचा अंगीकार करूनही प्रसन्न राहाणे सर्वांना जमतेच असे नाही. यासाठीच मानवी जीवनामध्ये विनोदाचे महत्त्व दिवसेंदिवस वाढत आहे. म्हणूनच प्राध्यापक आणि विद्यार्थी यांच्या व्यक्तिमत्त्वाचा एक भाग म्हणून 'मराठी विनोदी कथा : स्वरूप आणि सादरीकरण' या आगळ्या-वेगळ्या विषयावर दोन दिवसीय राज्यस्तरीय चर्चासत्र आयोजित केले. या क्षेत्रातील नामवंत व्यक्तींची व्याख्याने तसेच विनोदी कथांचे सादरीकरण याबरोबरच प्राध्यापक आणि विद्यार्थी यांना या क्षेत्राची माहिती व्हावी आणि संयोजन व्यवस्थापन या क्षेत्रात (Event Management) विनोदी कथांचा उद्देश प्रास्ताविकात सांगितला.

मॉडर्न महाविद्यालयाचे प्राचार्य डॉ. राजेंद्र झुंजारराव यांनी मनोगत व्यक्त करताना म्हणाले की, अशा आगळ्यावेगळ्या चर्चासत्राचा उपयोग विद्यार्थ्यांनी करून घ्यावा. मराठी विभाग नेहमीच विविध विषयांवर चर्चासत्र आयोजित करित असते. याबद्दल त्यांनी समाधान व्यक्त केले. पी.ई. सोसायटीच्या नियामक मंडळाच्या सदस्या प्रा. सौ. ज्योत्स्ना एकबोटे यांनी अशी चर्चासत्रे ही दीर्घकाळ लक्षात राहाणारी आणि उत्साह टिकविणारी असतात असे नमूद केले. अर्थातच अशी चर्चासत्रे पुन्हा पुन्हा व्हावीत अशी सदृच्छाही त्यांनी व्यक्त केली. या सर्वांचा विद्यार्थ्यांनी उपयोग करून घ्यावा असे आवाहन त्यांनी विद्यार्थ्यांना केले.

ज्येष्ठ साहित्यिक आणि उद्घाटन समारंभाचे प्रमुख पाहुणे डॉ. द. ता. भोसले यांनी उपक्रमशीलता, उत्तम नियोजन, व्यवहाराची जोड आणि ज्ञानाची उत्कटता यांमुळे हे चर्चासत्र यशस्वी झाले आहे, अशी उत्स्फूर्त पावती या चर्चासत्राला दिली. त्यांनी त्यांच्या मनोगतात गंभीर आणि विनोदी कथांमधील साम्यभेद विश्लेषण करून सांगितला. विनोदी कथा ही थेट भिडते पण ती जीवनाची वेगळी बाजू दाखवते. गंभीर कथा जीवनाचा दृष्टिकोण दाखवते, ती अंतर्मुख करते. विनोदी कथा ही मोरपिसासारखी असते. ती वाचकांशी सलग्न करते. वाचक आणि लेखक यांच्यातील अंतर मिटवते. भरपूर सुपीक जमीन म्हणजे विनोदी साहित्य. दुःखाचे सुखात रूपांतर करण्याचे सामर्थ्य, अंतर्मुख करण्याची शक्ती आणि निखळ आनंद देण्याचे कसब विनोदी साहित्यात असते. थकून गेलेल्या माणसाला मनाची मरगळ दूर करण्याचे सामर्थ्य यात आहे. त्यांनी 'तलावातले चांदणे' या कथेचे उदाहरण यासाठी उद्धृत केले. त्याचप्रमाणे पु.ल. देशपांडे, आचार्य अत्रे यांचेही दाखले या संदर्भात दिले. डॉ. द. ता. भोसले यांनी विनोदी कथांची आजच्या काळाला असलेली गरजही दाखवून दिली. कथा ही मानवी मनाचा जन्मतःच आवडीचा विषय आहे. ३ ते ८० वयापर्यंत कथा प्रत्येकाला हवी असते. पूर्वी कीर्तन, प्रवचन किंवा आजीच्या गोष्टी या माध्यमांतून कथा ऐकावयास मिळत. कथा ऐकण्याची व सांगण्याची भूक यातून भागवली जात असे. आता जीवनाला गती आलेली आहे. मूल्यनिष्ठा कमी झालेली आहे. शरीरसुखाच्या आहारी गेल्यामुळे जीवनमूल्यांना विकृत स्वरूप आलेले आहे, 'तुटणे' आणि 'लुटणे' यांना महत्त्व आलेले आहे. समाजाशी नाते, भूमी, निसर्ग, राष्ट्र, विवेकबुद्धी या सर्वांपासून माणूस 'तुटत' चाललेला आहे. देश,

समाज, गर्भाशय, जंगल, नद्या, मते अशा सर्वांना विकून 'लुटले' जात आहे यावे याची खंत डॉ. भोसले यांनी आपल्या भाषणात व्यक्त केली.

विनोद हा वेदना विसरून जगण्याचे सामर्थ्य देतो. विसंगती, अपेक्षाभंग, उपहास, अतिशयोक्ती, अनौचित्य आणि हे व्यक्त करण्यास योग्य अशी भाषा अशी विनोदनिर्मितीची अंगे असतात. श्रोत्यांना विनोदी कथांबद्दल महत्त्वाचे मार्गदर्शन लाभले. डॉ. प्र. चिं शेजवलकर यांनी आपल्या मनोगतात विनोद जसा मनोरंजन करतो. त्याप्रमाणे प्रबोधनही करतो हे नमूद केले.

यानंतर दुसऱ्या सत्राचा प्रारंभ झाला. या सत्राचा विषय होता- मराठी विनोदी कथांचे स्वरूप. या सत्राच्या अध्यक्षस्थानी डॉ. लीला गोविलकर या होत्या. या सत्रात श्रीमती मंगला गोडबोले आणि श्री. मारुती यादव यांनी विनोदी कथांच्या स्वरूपाबद्दल आपले मनोगत व्यक्त केले. चांगली स्वयंपूर्ण विनोदी कथा लिहिणे ही फार कठीण गोष्ट आहे हे त्यांनी मोकळेपणी नमूद केले. गंभीर कथांचे लेखन त्यामानाने सोपे असते. चुटके, किस्से लिहिले जातात. विनोदी ढंगात कथा फार कमी. विनोद हा माणसाला हवा असतो. त्यामुळेच पूर्वी कथा-कीर्तनांत विनोदाचा वापर केला जाई. विनोदी कथानिर्मितीही यातूनच झाली.

श्रीमती मंगला गोडबोले यांनी गडकरी - बाळकराम- यांचे 'ठकीचे लग्न' यापासून अनेक कथांच्या स्वरूपाचा आढावा घेतला. त्यांनी प्र.के. अत्रे यांच्या लेखनावर विवेचन केले. विनोदी अंगाने जाऊन गंभीर गोष्ट सांगणारी कथा अधिक आवडते.

यानंतर मारुती यादव यांनी आपल्या खुसखुशीत शैलीत आपले मनोगत व्यक्त केले माणसाचे आरोग्य खणखणीत ठेवायचे औषध म्हणजे विनोद हे त्यांचे मत स्पष्ट करताना मोहिनी निंबाळकरांची 'मोबदला' ही कथा आपल्या मिश्रित वाणीत श्रोत्यांना ऐकवली.

आपल्या अध्यक्षीय भाषणात डॉ. लीला गोविलकर यांनी विनोदी वाङ्मयाच्या एकंदर रचनेविषयी विवेचन केले. जीवनाची विसंगती टिपण्याची दृष्टी व वृत्ती असावी लागते. यामध्ये प्रबोधन असते. मांडणीचे वैशिष्ट्य असते. विषय कोणत्या काळातील आहे, हे समजते. काळाला न चुकवता विश्लेषण करण्याचे सामर्थ्य विनोदात असते.

मंगळवार दि. ५ फेब्रुवारी २०१३ रोजी सकाळी १०-३० वाजता तिसऱ्या सत्राचा आरंभ झाला. या सत्रात श्रीमती विनीता आपटे आणि श्री. चंद्रहास मिरासदार यांनी 'मराठी विनोदी कथांचे लेखन' यावर आपले विचार मांडले. या सत्राचे अध्यक्षस्थान डॉ. न. म. जोशी यांनी भूषविले होते. श्रीमती विनीता आपटे यांनी आपल्या मनोगतात हास्य हा दागिना असल्याचे सांगितले. हास्यामुळे व्यक्तिमत्त्व प्रसन्न दिसते. देहबोली, संभाषण, शब्दाचे वजन आणि या सर्वांच्या साहाय्याने होणारे सादरीकरण प्रभावी होते.

'ती फुलराणी' या नाटकातील मंजुळाची व्यक्तिरेखा त्यांनी एकपात्री सादरीकरणातून उभी केली.

श्री. चंद्रहास मिरासदार यांनी व.पु. काळे, शंकर पाटील यांचे दाखले देताना मार्मिक विश्लेषण केले आणि विनोदी कथांचे लेखन या विषयावर अभ्यासपूर्ण भाष्य केले. जीवनानुभवांचे बारीक निरीक्षण केले पाहिजे, त्याचबरोबर जीवनातील विसंगती टिपण्याचे कसब हवे, असे सांगताना हे सर्व टिपलेले योग्य शब्दांत मांडता आले पाहिजे. विसंगती, उपहास अशा प्रकारातून मांडणी करता येते. आपल्या वैशिष्ट्यपूर्ण मांडणीतून त्यांनी उत्कृष्ट उदाहरणे दिली.

आपल्या अध्यक्षीय भाषणात डॉ. न.म. जोशी यांनी विनोदी कथांच्या लेखनाबाबत काही गोष्टी अधिक उलगडून सांगितल्या. कथा लिहिणे आणि ती सादर करणे या दोन्ही गोष्टी वेगळ्या असताना लेखन करणारा सादरीकरण करू शकतोच असे नाही किंवा लिहिलेली कथा सादरीकरणास योग्य ठरतेच असे नाही. विसंगती, विरोध या गोष्टी आवश्यक असतात.

मंगळवार दि. ५ फेब्रुवारी रोजी दुपारी चौथ्या सत्राचा प्रारंभ झाला. मराठी विनोदी कथांचे रंगमंचीय सादरीकरण या विषयावर टिप्पणी करत रंगमंचीय सादरीकरण रंगत गेले. याबाबत श्री. मकरंद टिळू यांनी उत्कृष्ट सादरीकरण केले. त्याबाबत बोलताना त्यांनी कथांचे सादरीकरण रंगण्यामध्ये सादरीकरण पाहाता येणेही तितकेच महत्वाचे ठरते असे मत नमूद केले. विनोदी कथांचा अभ्यास विद्यापीठीय पातळीवर आल्याबद्दल त्यांनी समाधान व्यक्त केले. श्री. मकरंद टिळू यांनी उत्कृष्ट सादरीकरणाचा वस्तुपाठ आपल्या सादरीकरणातून दाखवला.

श्री. अशोक मुरुडकर यांनी आपले मनोगत व्यक्त करताना आजच्या धकाधकीच्या जीवनात विनोदी कथांची गरज बोलून दाखवली. लेखक, कलाकार, रसिक, समाज या सर्वांच्या एकत्रीकरणातून अभिव्यक्ती होते. पण त्या ताकदीची कथा असली पाहिजे. पाल्हाळ न लावता योग्य सुरुवात, मध्य व शेवट असणे आवश्यक आहे.

अभिव्यक्तीसाठी प्रासंगिकता, विनोदाचा बाज, आवाजातील चढउतार, अभिनयाचे योग्य अंग आणि मुख्यतः सादरीकरणासाठी योग्य अशा कथांचा संग्रह हवा. कथाकथन हा उत्तम व्यवसाय होऊ शकतो.

या सत्राचे अध्यक्षस्थान श्री. संजय कप्तान यांनी भूषवले होते. आपले मनोगत व्यक्त करताना त्यांनी आजच्या काळात मानसिक आरोग्यासाठी हे औषध असल्याचे नमूद केले. अज्ञानातूनही विनोद निर्माण होतो. आज जीवनात अनेक ताणतणाव असतात त्यासाठी विनोद आणि दिलखुलास हास्य यांची गरज आहे. सर्व प्रकारचा शीण जाण्यासाठी हे दिलखुलास हास्य महत्वाचे ठरते. गांभीर्य हे लवकर कळते. विनोद कळण्यासाठी काही वेळ लागतो. याला कारण समजून घेणारा रसिक प्रेक्षक महत्वाचा आहे.

यानंतरचे पाचवे सत्र हे निवडक विनोदी कथांचे मुक्त सादरीकरण असे होते. या सत्रात स्वाती महाळंक यांनी द.मा. मिरासदार यांच्या कथांचा उल्लेख करून आपले मनोगत व्यक्त केले. मिरासदारांच्या कथांमधून वृत्तीची विविधता दिसते. स्वभावातील विक्षिप्तपणा दाखवत विनोदाला गंभीरतेची किनार लावलेली असते. श्री. भूषण कटककर यांनी 'पार' ही कथा सादर केली. डॉ. आनंद यादव यांची कन्या श्रीमती मुळीक यांनी 'मरण' या कथेचे अभिवाचन सादर केले. अमित कुंडे यांनी व.पु. काळे यांची कथा सादर करून अभिवाचन कसे असले पाहिजे याचे प्रात्यक्षिकच दाखवले.

या सत्राच्या अध्यक्षा श्रीमती प्रतिमा शाहू मोडक यांनी आपले मनोगत व्यक्त केले. विनोदावरील हसू हे आतून आले पाहिजे. भलते कोणी हसवू शकत नाही. त्यांनी उत्कृष्ट अशी स्वरचित कविता श्रोत्यांना ऐकवली.

सहावे समारोपाचे सत्र श्री. विश्वास मेहेंदळे यांच्या अध्यक्षतेखाली सुरू झाले. प्रमुख उपस्थिती डॉ. काकासाहेब मोहिते अधिष्ठाता, विज्ञान शाखा, पुणे विद्यापीठ यांची होती. डॉ. मोहिते यांनी Out of Box ही अभ्यासक्रमातील संकल्पना स्पष्ट केली. डॉ. अशोक शिंदे यांनी खुमासदार शब्दांत काही विनोदी किस्से सादर केले आणि श्रोत्यांची दाद मिळविली. श्री. विश्वास मेहेंदळे यांचे अभ्यासपूर्ण विवेचन मार्गदर्शक ठरले. सादरीकरण कसे महत्वाचे हे त्यांनी आचार्य अत्रे यांच्या भाषणाचे अभिनय सादर करून दाखवून दिले. यासाठी वाचनाचा रोजचा व्यासंग असला पाहिजे. सादरीकरण सुसूत्र हवे, विसंगती नको. हजरजबाबीपणा हवा. व्यवस्थित आराखडा हवा व त्यानुसार काम हवे. ऐकणाऱ्यापर्यंत पोहोचले पाहिजे. पांडित्य दाखवून नये. निरीक्षण, गाण्याची व तालाची जाण, सावधानता, वाणीवर संस्कार या गोष्टी कष्टाने साध्य करून घ्याव्यात. सादरीकरणात याचा महत्वाचा वाटा असतो.

विविध ठिकाणांहून आलेल्या अनेक प्राध्यापक आणि विद्यार्थी यांच्या दृष्टीने चर्चासत्र अतिशय उपयुक्त ठरले. त्यांनी तसे अभिप्रायातही नोंदविले आहे. नाविन्यपूर्ण विषयावर चर्चासत्र आयोजित केल्याबद्दल मराठी विभाग प्रमुख डॉ. स्नेहल तावरे यांचे या सर्वांनी अभिनंदन केले. त्यांच्या मार्गदर्शनाखाली हे चर्चासत्र पूर्णपणे यशस्वी झाल्याबद्दल सर्वांनी त्यांना धन्यवाद दिले.

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North East States - Cultural Fest

Prof.(Mrs.) Sandhya Vartak

In a far reaching move to promote peace in the city of Pune and shun violence against the people of the North East community residing here, our College took up the initiative to organize a North East Cultural Festival in association with the NSS, University of Pune.

The event helped bonding North East states to the people of Pune, and promote the spirit of national integrity. The programme was wholly supported by the students of the North East community in Pune who participated to create an awareness of the rich culture and heritage of the North East region through presentations on each state, and live performances on stage. The Festival was inaugurated by Smt Shakira Inamdar, Programme Co-ordinator, NSS Unit, University of Pune. She was accompanied by our Principal Dr.R.S. Zunjarrao, Visitor Prof.A.G. Gosavi, Vice Principal Dr. N. J. Kulkarni, Vice Principal Prof.S.R. Chaudhari, Vice Principal Prof.M.M. Rane and other colleagues. Prof. S. S. Deshmukh, Secretary, P. E. Society presided over the function. Several dignitaries from various walks of life, had come to encourage the event. The event was coordinated and managed by Prof Sangita Sarma from the Department of English and a resident of Assam herself. NSS Coordinators Prof. Varade and Mrs. Bhandare also supported the event.

The Festival was conceptualized to inform and sensitize the audience on the diversity of the North East states, which was done through in-depth presentations on different facets of the eight sister states by the students themselves. Student representatives from Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura had the audience spellbound as they introduced their states through their rich culture, customs, people, traditions, cuisine, handicrafts, industry, flora and fauna. The cultural programme raised the bar by providing a visual glimpse of the performing arts of each state in their traditional costumes and colours. Students from Arunachal Pradesh performed the Galo dance of the Neshi Tribals that had the audience swaying to its graceful moves. The Assamese students performed the famous Satriya dance and the Bihu dance of Assam. Along with the dance performances, the students also paid homage to the late doyen of Assamese music, Dr Bhupen Hazarika by presenting his immortal compositions like 'Brishtino Parore' and 'Dil Hoon Hoon Kare'. The latter song specially caught the attention of the audience as it cleverly fused the Assamese and Hindi versions of the song together into one unit.

The students from Manipur also had a repertoire of performances to enchant the audience. From the lilting Leisabi dance to the passionate Thamba Thobi dance of Manipur, the students also performed a group folk song for the audience. The culture of the Jaintia and the Khasi tribes were represented through the Harvest dance and the Plate dance of the two tribes by the students of Meghalaya. The students from Mizoram had the audience resounding with applause as they performed the Bamboo dance where the light-footed girls moved in rhythm between the moving bamboo poles. Even the audience could not stop themselves from clapping in rhythm. The Nagaland students presented a folk dance from the Sema tribe which was an all male performance and showcased their dexterity and intrinsic relationship with Mother Nature. **The programme culminated with a Fashion Show with the theme 'Unity in Diversity' where all the students of the North East community participated together as a mark of solidarity.**

The event also featured a Poster Display by the North East students highlighting the richness and importance of the North East region. The programme concluded with the closing remarks by Dr. Zunjarrao and other dignitaries. ★ ★ ★

National Youth Day : Inter-collegiate Youth Symposium

Prof. Sunita Purohit (Chief Organiser)

National Youth day this year had a special significance as it was the 150th Birth Anniversary of Swami Vivekananda.

Our college hosted a special programme for the youth, by the youth and of the youth on 12th January 2013, to mark this occasion.

One-day programme in the form of a 'Youth Symposium' with the theme "Youth Inspiration-Swami Vivekananda" was organized. 165 youngsters actively participated in this event.

Mr.Piyush Wangota (F.Y.B.Sc.) introduced the speaker Shri.Mahendra Sethiya, Chief Editor of Chhatra Prabodhan of Jnana Prabodhini, Pune. In his Inaugural address Shri.Sethiya spoke on "Swami Vivekananda's concept of True Education".

He emphasized that real education is beyond books and classrooms. The youth should have faith in oneself and determine a goal for life. Body and mind both need to be attended during our development. For the youngster Swamiji's message was that-It is better to play football and become stronger and enter the field of work than read the spiritual books like the Geeta and remain weak and inactive. We should have muscles of iron and nerves of steel. One has to enrich one's personality with values and lead a meaningful life. True education is a man-making mission. It is an integrated process that helps discovery of our own potential. Shri. Sethiya narrated many relevant incidents from Swamiji's life to emphasize Swamiji's concept of education.

Principal Dr.R.S.Zunjarrao presided over the function. Prof.Sunita Purohit proposed the vote of thanks.

The second session was of Group discussion. Mr.Narendra Naidu explained to the participants the concept and methodology of this exercise. 12 groups were formed and each group was given one of Swami Vivekananda's thought or quote. All students contributed their views on the topic. A few teachers moderated the discussions whenever found necessary.

Later group leaders presented a brief summary of their respective groups. Prof.Umesh Gawali and Prof. Vandana Joshi gave their feedback and comments about this activity.

Shri.Vishwasji Lapalkar, Chief Coordinator for Maharashtra and Goa of Vivekananda Kendra, the Speaker for the Concluding session was introduced to the audience by Kajal Mawale(F.Y.B.Sc.).

He attentively listened to the presentations of the participants. Then he gave a talk on "Swami Vivekananda's Vision of Future India".

Diving back into the past and surfacing up again with contemporary examples and true incidents the speaker kept the audience spellbound. The manner in which he spontaneously quoted Swami Vivekananda's sayings with deep emotion touched one and all present. Swamiji had forecasted that India would be a Super power in the material field in near future and also be the Spiritual leader of the world.

Swamiji always appealed to the Youth that the poor and the deprived person be treated as 'Narayana' and that for the next fifty years the only God for all of us should be India our motherland. Spirituality and Service is the National spirit of India.

Shri. Vishwasji has spent more than 30 years in the laps of North-Eastern India. In the flow of his speech, therefore, he lucidly narrated facts and myths related to that region of India. Participants came to know many unknown aspects of our own country.

The future of India lies in the hands of the Youth of the nation emphasized the speaker, supplementing that with Swamiji's original words in this context.

The programme concluded with the thanks- giving speech by Prof. Nisha Bhandare .

Mr. Parth Vitekar (F.Y.B.Sc.) compered the entire programme.

All participants expressed their heartfelt appreciation for this enriching Youth Symposium.

Snacks and Tea were served to all participants and volunteers. Certificates of participation and Swami Vivekananda's books were given to all on behalf of the college.

Teachers actively involved in shaping and conducting this unique programme were : Vice-Principal Dr. Nayana Kulkarni, Mr. Narendra Naidu, Prof. Sunita Purohit, Prof. Manda Admane, Prof. Vijaya Jagtap, Prof. Umesh Gawali, Prof. Vandana Joshi, Prof. Nisha Bhandare, Prof. P.S. Varade, Prof. Sanjeevani Kuvalekar, Prof. Sunita Gosavi, Prof. Beena Muttalgi, Prof. Abhay Shende, Prof. Amit Sonawane, Prof. Wayal, Prof. A.N. Bhavale, Prof. Leena Patankar, Prof. Gitaram Gaikwad, Prof. Sandhya Vartak, Prof. Shilpa Dange, Prof. Sangeeta Raut and Dr. Ujalambkar.

NSS volunteers and students of F.Y.B.Sc.'B' and S.Y.B.Sc.'B' enthusiastically helped in all possible ways to make this programme a memorable one.

This symposium was a joint effort of National Youth Week Celebration committee, NSS and Yuva Manch of our college.

★ ★ ★

Jawaharlal Nehru on Swami Vivekananda

Rooted in the past and full of pride in India's prestige, Vivekananda was yet modern in his approach to life's problems and was a kind of bridge between the past of India and her present.... He was a fine figure of a man, imposing, full of poise and dignity, sure of himself and his mission, and at the same time full of a dynamic and fiery energy and a passion to push India forward. He came as a tonic to the depressed and demoralized Hindu mind and gave it self-reliance and some roots in the past.

I do not know how many of the younger generation read the speeches and the writings of Swami Vivekananda. But I can tell you that many of my generation were very powerfully influenced by him and I think that it would do a great deal of good to the present generation if they also went through Swami Vivekananda's writings and speeches, and they would learn much from them. That would, perhaps, as some of us did, enable us to catch a glimpse of that fire that raged in Swami Vivekananda's mind and heart and which ultimately consumed him at an early age. Because there was fire in his heart - the fire of a great personality coming out in eloquent and ennobling language-it was no empty talk that he was indulging in. He was putting his heart and soul into the words he uttered. Therefore he became a great orator, not with the orators' flashes and flourishes but with a deep conviction and earnestness of spirit. And so he influenced powerfully the minds of many in India and two or three generations of young men and women have no doubt been influenced by him....

REPORTS

OFFICE REPORT

It's my pleasure to put up office report in the college magazine for academic year 2012-13. Activities related to office and college are reported hereby in brief.

● STAR COLLEGE STATUS by DBT

This year our College was awarded 'Star College' Status by Department of Biotechnology (DBT), New Delhi and received sanction of special Grant for the development of Life Science Departments. We congratulate all the staff members of the college specially of the staff members concerned for their efforts, contribution in getting Special Grants like additional grant, BSR, FIST, Star College, research schemes from UGC, DBT, DST and BCUD, University of Pune. This will help the college a lot in development of all the Departments, in Infrastructural modifications and for adopting new innovative practices in teaching learning process.

● Our Activities

This year with the help of पुराभिलेख संचलनालय, पुणे लेखागार, पुणे, महाराष्ट्र शासन we organized the **MODI SCRIPT TRAINING PROGRAMME** from 28th January 2013 to 8th February, 2013. The formal examination for the participants of this training programme was conducted on Sunday, 10th February 2013. Total 92 participants were registered for this training programme. Some members from the teaching and non-teaching staff participated in this programme. The Result of the examination was declared on 19th March, 2013. The Result declared was 88%.

The Administrative Staff participated in

various functions organized by our college during this year. Few of these in which the office staff actively contributed were:

- The College Foundation day celebrated on 15th June, 2012
- International Seminar organized by the Department of Languages
- National Level Seminar organized by the Department of Commerce
- State level Seminar organized by the Department of Statistics
- State level Seminar organized by the Department of Marathi
- Functions organized by the Arts Circle and all the Associations
- Arts Circle Week
- Annual Social Gathering celebrated in January 2013
- Academic Prize Distribution Function
- Gymkhana Prize Distribution Function
- Arts Circle Prize Distribution Function

The office has also supported the social activities organized by NSS, NCC and NGOs.

This year too, **guidance sessions** (information lectures) were scheduled at the beginning of the Academic Year, for the first year students of all the faculties who took admission in our college. All Heads of the Departments, Chairpersons of various Committees gave basic information about the various activities of the college i.e., information about the various facilities, courses available in the college. Specific information about NCC, NSS, Earn & Learn Scheme, Library, Gymkhana and General Administration was also provided.

The Medical Examinations of All First Year Students were also conducted on behalf

of the University of Pune, by the Committee constituted by the college. Chairman Dr. Mrs. S.L. Taware, Supdt. Shri V. L. Avhad with the help of Teaching Staff and Non-teaching Staff from office carried out this activity. Staff from laboratories has also assisted in carrying out this Medical Examination.

The Central Assessment Programme of University Examinations held in October, 2012 was to be conducted in the University of Pune. But as it was practically difficult for the authorities to conduct the CAP without sufficient experienced manpower, the College Administrative authorities took the decision to support the UOP in such a difficult time. The College decided to carry out the FY/SY/TY B.Com CAP work with the help of the staff of the college. Every step was taken to complete the CAP in time and we have submitted the necessary data to the University of Pune in time.

● **USE OF ADVANCED TECH-NOLOGY**

During this Academic Year, we made an attempt to provide Identity Cards on the day of admission itself to each and every student taking admission to any class. This helped the students and Staff to maintain discipline in the college premises.

Advanced technology has been used to inform students and parents about notices, alerts and examination schedules. We plan to use technology to inform parents about students' attendance and their performance in class.

At the time of issuing the Identity Cards to Students and New Identity Cards to the members of the Teaching and Non-teaching Staff, a basic database was created and stored. Using the technology of SMS during the year, we have forwarded many important instructions, notices and alerts to the Students and Staff. Such messages were also sent to students of a particular wing or of a particular academic Class.

The Office Administration has continued to make effective use of the Students Database Management "VRIDDHI". This has helped all the departments share the Office & Library data. This year the University of Pune introduced the online examination form system for most of the classes for the first session of the academic year 2012-13. The College staff has taken maximum efforts to support the newly introduced system. The payment of online examination fees were also made by e-transfer to the University account. All the UG/PG University Examinations for both the sessions of academic year were conducted smoothly. We have also conducted all the First Year (College) examinations successfully. Utmost care was taken for conducting the examinations smoothly.

The college has developed its own website and attempts are on to update it, making it student-centric and user-friendly. This year the efforts are being taken to develop the CMS based college website. Similarly, each and every department will have its own website, linked with the main website of the college, to keep the updated information of college as a whole. The idea of online admission and online payment of fees is also under consideration.

The various activities, events organized during the academic year were also uploaded on the college website. The online admission process for First Year Computer Science Course is being successfully carried out, since the last three years. It has been proposed that an online payment facility also be introduced. This will avoid rush of students & parents during the admission period. Various forms like XIIth Admission Form, Admission Cancellation Form, T.C. form were also made available on the website, by which students save their time. We wish to adopt online admissions for the second year onwards, by which students can

fill the details of admission form at home and submit it to the college through the internet for further processing of admission. Special attention is being paid to provide better services to the students & staff viz. special efforts are being taken to help and guide the students holding Government Scholarships/ to fill the online Scholarship/ Freeship forms, refund of deposits to the students, by issuing direct pay orders or by e-transferring to their individual bank accounts.

Almost all the work of Provident Fund has been completed up to 2011-12 and the PF Slips were also distributed to the staff. The Service Books of all teaching & non-teaching staff of Senior and Junior College are also being updated. Various claims & disbursement of all the pending arrears of the staff, quick submission of the pension cases of retiring members of the staff & its follow-up, speedy settlement of Pension & P.F. cases, reimbursement of medical bills etc. Efforts are also being made to achieve full computerization of the office work in the near future.

The Accounts Section is taking utmost care to complete all accounting work accurately & within the time schedule. Care is being taken to disburse all the amounts in time, received from the Government & other authorities. The internal audit of the college accounts as well as the Statutory Audit for the year 2011-12 has already been completed. As per guidelines from P.E.Society college constituted Finance Committee, regular meetings of the committee are organized every month. Computerised salary slip is provided to employee as per demand.

Since the last three years we are implementing the 'Earn & Learn Scheme' introduced by University of Pune where students are given an opportunity to work and earn money for needy students

Staff Achievements:

Shri Nawale Nilesh attended the Workshop organized by the Deputy Director of Education, Pune Region Office on Annual Staff Approval, Patpadtalni, New Staff Approval workshop, Workshops organized by Education Officer, Z.P. Pune regarding Pay & Provident fund.

Supdt. Shri Renuse P.D., Sr. Clerk Shri Sagar Chavan, staff from Admin Section attended the workshop for Salary Budget organized by the Joint Director's office and such other workshops relating to salary and Non-Salary Grants such as Teaching and Non-Teaching Staff Placements and Promotion Workshops, Pay Fixation Workshops.

The Head Clerk Shri Parde Indrajeet and Smt Sasane Sunita attended the workshops organised by the Social Welfare Office regarding the online Scholarship and Freeships.

The Administrative staff attended the workshops organized by University of Pune for approval of Teaching Staff and Workshop on Eligibility for Students.

The duties assigned to the Teaching and Non-teaching Staff of the college by the Election Commission and Pune Municipal Corporation regarding Census work and Corporation Election were also carried out successfully by the staff members concerned.

The staff provided able support in organizing important events of College, such as Conducting the Senior College Interviews arranged for selection of Teaching Staff, Annual Social Gathering, Prize distribution function, Gymkhana Day, Visits of the University & other Committees & in organizing State Level, National & International seminars, various examinations viz. HSC Board and University of Pune, C.A.P. of University of Pune, conducting SET/NET exams, IIT

JEE exams, etc.

We welcome Mrs. Nangare Usha, Senior Clerk and Mrs Sasane Sunita, who were transferred from Modern College Ganeshkhind, Pune-53.

● CONGRATULATIONS - FOR SPECIAL ACHIEVEMENTS

The members of the teaching & non-teaching staff & the students, all deserve to be congratulated for the special achievements during the year 2012-13.

Congratulations to Mr. Shah Deepak. Accounts Asstt. Office , Prof V.B. Alhat, Teacher in Geography Jr College and Prof. Mrs. S.D. Purohit, Department of Hindi Senior College for getting Meritorious Best Teaching/Non-Teaching Staff Award, P.E. Society Pune-5. 2011-12

Congratulations to Principal Dr. R.S. Zunjarrao as Ph.D. Guide and his Student Dr. Gopale K.D. Who has been awarded Ph.D. Degree during this year under the able guidance of Principal Dr. R.S. Zunjarrao.

We must also congratulate Prin. Dr R.S. Zunjarrao and Dr. Mrs. N.M. Patil for getting Major research scheme Grants by the UGC, New Delhi.

We Welcome :

Newly Joined/Promoted Non-teaching Staff. Mr. Sagar Chavan promoted as Senior clerk.

Mr. Valvi Amit, Promoted as Library Clerk.

Mr Prasad Vange, Mr Darade Vishnu & Mr Dhadave S.M.. promoted as Library Attendants.

Ms Manisha Jadhav, Ms. Ashwini Shinde, Mr Shewale Hemant who have joined in Non Grant Section of the Office.

We Congratulate and Wish Best of Luck:

For Non-teaching staff appearing for various Board and University examinations and also congratulations to those getting

Success in HSC and University level examinations, particularly Shri Ishwar Bhandare who has completed his M.A in Economics.

● BEST WISHES FOR THE RETIRING STAFF.

Following members of the staff retired from service after a long & eventful tenure in the College.

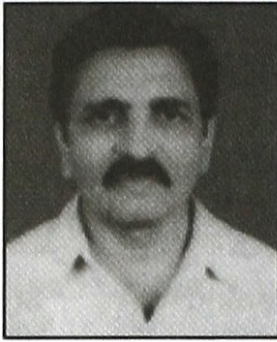
1. Mrs. Abhyankar V.A	30 April 2012
2. Mr. Jagtap K.S.	30 April 2012
3. Mr. R.V. Zagade	30 June 2012
4. Mr Jayant Jorwekar	30 June 2012
5. Mr. Bhide V.C.	31 Jan 2013
6. Mr. Gaikwad S.K.	31 Jan 2013
7. Mr. Inamdar S.N.	28 Feb 2013
8. Mr. Gohel M.G.	28 Feb 2013
9. Dr. Ghate H. V.	31 Mar 2013
10. Mr. Salunke M. S.	31 Mar 2013
11. Mr. Kamble A. B.	31 Mar 2013

We wish our retired colleagues happy, peaceful & healthy retired lives.

The Chairman Local Managing Committee & Junior College Committee, The Principal, Visitor & Vice Principals constantly guided & inspired the Office staff in their day-to-day work. From this academic year every Friday meeting of the office staff is conducted to plan and take review of the offices work under guidance of principal Dr. R.S.Zunjarrao. 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 S,S, Thengadi in respect of the financial and UGC matters, particularly for getting Grants for the college from different sources and utilization of these grants deserves special mention. Guidance was also provided by Prof. A.G. Gosavi & Dr. Y. R. Waghmare regarding accounting work was beneficial to the accounting staff. The office staff expresses their gratitude towards them.

Shri. R. P. Kale
Registrar

OBITUARY



We sadly condole
the death of our dear beloved

Mr Hagawane Balaseb

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



Shri Y.P. Deshpande

Ex- Registrar, Modern College, Pune-5



Mr. S. R. Shewale

Library Attendant of Modern College ,
Pune-5



Mr. Ajay Biramane

Peon, Modern College, Pune-5

who left for their heavenly abode.
They have left an indelible mark
on students and staff members alike.
We will always cherish their fond
memories.

May their souls rest in peace.
Staff and Students of
Modern College of Arts, Science and
Commerce, Pune - 5.

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 Zunjarrao

Modern College of Arts, Science
and Commerce

Pune 411 005 (India)

Name of the editor : **Narendra M. Naidu**

Printer's Name : Shree Mudran Mandir,
Pune 411 030.

Name and address of individuals who own
the paper and partners or shareholders hold-
ing 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 Zunjarrao

Department of Economics

The Department of Economics organizes various activities for the students and members for their enhancement and improvement by providing quality education.

- The department has been approved as Ph.D. Research Centre by University of Pune from Dec 2012
- The Head of the Department and two ad-hoc teachers organized an educational tour for the students of B.A. and M.A. Economics on 8th Sept 2012. The purpose of the tour was to visit the "Ideal Village – Hivare Bazar". The students also visited an orphanage named Snehalaya in Ahmednagar Dist. and donated clothes, food items and cash Rs.4000/- for the children.
- The department of Economics and Commerce organized a guest lecture by CA Bharat Shah on 5th March 2013, on Union Budget 2013.

Achievements and activities of the members of the department

Dr. Madhu Satam

- Attended State level seminar on "Maharashtra Economy : Challenges & Prospects" organized by Department of Economics, Fergusson College, Pune on 29th & 30th Aug 2012
- Presented a paper at an International Conference on "Sustainable Development" in Ness Wadia College of Commerce, Pune from 17th to 19th Jan 2013
- Participated in one day workshop for Ph. D. guides organized by University of Pune on 13th Feb 2013.
- Participated in one day workshop for Restructuring of New Syllabus for F.Y. B. Com. & M. Com. in Economics on 2nd March 2013
- Worked as a member of organizing committee in the International Conference on Employability Enhancement through Proficiency in Indian and Foreign Languages and also as a Chairperson of Registration Committee and Paper Presentation Committee, held from 28th to 30th Jan 2013 in the college.
- Attended workshop on Intellectual Property Rights on 2nd Feb 2013, at Department of Biotechnology, Modern College, Pune.
- Delivered a talk on All India Radio on Current Education System on 18th Jun 2012.
- Delivered a talk on Scope and Career in Economics on foundation day of college on 15th Jun 2012.
- Organized Industry- Academia meet on 14th Mar 2013 at college.
- Appointed as a Chairperson by University of Pune for Paper setting of M.A. Sem. III & IV for the year 2012-13.
- Invited by University of Pune, Department of Commerce to set the question paper for SET exam in the subject "Business Economics" from 24th Aug to 26th Aug 2012.
- Invited as in charge of a session on Banking & Insurance at National seminar on "Emerging Issues in Commerce & Industry" organized by Commerce department of the college on 24th Mar 2013.
- Organized a programme for the visit of Foreign delegates from Penn State University to interact with our college teachers on 8th Jan 2013, as a Chairperson of International Students Association of college.
- Co-Authoring a book for M.Com. syllabus of YCMOU Syllabus - Business

Environment, completed in March 2013.

- Invited for panel discussion on “When can we consider India a Developed Economy” in Gokhale Institute, on 17th Feb 2013.

Suresh Deshmukh

- Awarded Ph.D. degree in Economics from University of Pune.
- Completed Refresher course in Pune University

Sandhya Vartak

- Participated in “Keep Moving Movement” workshop conducted by Mr. Narain Goidani from Aug 2012 to Oct 2012.
- Completed Refresher’s Course in “IT, social justice and security” for social science teachers from 5th Jan 2013 to 25th Jan 2013.
- Part of the organizing committee - International Seminar on “Employability Enhancement through proficiency in Indian and Foreign Languages”-28th to 30th Jan 2013.
- Participated in Co-operative Learning in classroom workshop-9th Feb 2013.
- Engaged lectures for M.A. students on Oligopoly Market Forms- at S.P. College on 12th and 13th March 2013.

Padmashri Mujumdar

- Attended state level workshop on “Credit System for Post Graduation” organised by C.T. Bora College, Shirur on 8th January, 2013.
- Invited as a Judge for Debate Competition on economic issues at COEP, Pune on 18th January, 2013.
- Worked in registration committee of International Conference on Employability Enhancement through Proficiency in Indian and Foreign Languages organised by Modern

College, Pune-5 from 28th to 30th January, 2013.

- Attended Workshop for college teachers on “Cooperative Learning Applied to Class Room Teaching” organised by Modern College, Pune-5 on 8th February, 2013.

Mrs. Jayasree. P. Nambiar

- Received confirmation of admission to the Ph.D. Programme in Economics from University of Pune and taken admission for Ph.D. under the guidance of Dr.Mrs.M.M.Satam.
- Presented a paper, “Involvement of Non-Banking Financial Companies (NBFCs) in Gold Loans” in UGC sponsored national conference, “Is India prepared to meet the contemporary and Future challenges with reference to the changing global Scenario”, held on 1st&2nd February 2013, conducted by Abeda Inamdar Senior College of Arts, Science and Commerce, Azam Campus,Pune,
- Attended one day workshop on Interdisciplinary studies- History, Social science & Economics held on 5th February 2013,conducted by Modern College of Arts, Science& commerce, Ganeshkind, Pune.
- Presented a paper, “Role of Rural Business Processing Outsourcing (BPO) in rural employment” at National conference on “Rural Development: A powerful Engine for developed India”,conducted by Sinhgad Business School, Erandwane, Pune,held on 8th&9th March 2013.
- Worked in registration committee of International conference on employability Enhancement through proficiency in Indian& Foreign languages” organized by Modern college, Pune,28th to 30th of January 2012.

Sayali A. Dhamdhare

- Participated in UGC Sponsored International Conference organized by Ness Wadia College Of Commerce, on Sustainable Development-Challenges and Opportunities held on 17th,18th, &19th January,2013. Presented a paper on “Evolution of Concept of Sustainable Development-A Theoretical Approach”
- Participated in one day workshop on Revision of Syllabus for Bachelor of Business Management (International Business) (BBM-IB) organized by Brihan Maharashtra College of Commerce, held on 25th Feb. 2013.
- Participated in National Conference, organized by Sinhgad Business School, on Rural Development : A Powerful Engine For A Developed India held on 8th and 9th March,2013 and presented a paper on “MG-NREGA : Effect On Rural Employment”

Dr. Madhu Satam
Head

Department of English

The Department of English organised following events in the academic year 2012-2013 :

- 1) An Exhibition “World of Literature” was organised on 14th Sept. 2012. Students from all UG and PG classes prepared charts, model, language games and book marks to introduce literary themes and personalities. It was inaugurated by Honourable Principal Dr. Rajendra Zunjarao. It was appreciated by all the students and teachers.
- 2) International conference on “Employability Enhancement through Proficiency in Indian and Foreign Languages” was organised from 28th to 30th January 2013, in association with

other language departments of the college.

It was inaugurated at the hands of Dr. Roger Nunn (Prof. Petroleum University, Abu Dhabi) and Dr. Pramod Talgeri (Former VC. EFLU Hyd. and Chancellor Multiversity, Pune).

Following Resource Persons presented their views on employment opportunities in various fields and the skills to be developed for various fields like Industrial and Technical Translation, Publication, Creative Writing, Intercultural aspects in Tourism and Hospitality Industry, BPO and IT Industry, Technical Writing etc.

- 1) Dr. Dhirawit Pinyonattagarn (Head, Department of Translation Studies, Suranaree University, Thailand)
- 2) Dr. Christina De Coursey (Hongkong University)
- 3) Dr. Thaomas Caton (Nakamura University, Japan)
- 4) Ms. Leah Guren (COW TC Israel)
- 5) Dr. Anja Hallacker (Director DAAD)
- 6) Dr. Ravi Kumar (President ITA, New Delhi)
- 7) Dr. Aragha Bhat (UOP)
- 8) Dr. Sumedha Desai (UOP)
- 9) Dr. Sunanda Mahajan (UOP)
- 10) Dr. Pratibha Gopujakr (Orient Black Swan, Mumbai)
- 11) Dr. Rajul Bhargava (Head, Dept. Of English, Rajasthan University)
- 12) Dr. S. B.Gokhale (UOP)
- 13) Dr. Triveni Goswami Mathur (Freelance Creative Writer, Pune)
- 14) Dr. Mrinal Dhaongade (Tatsam Linguistics Services, Pune)
- 15) Dr. Anil Sarwal (DAV College, Chandigarh)
- 16) Dr. Sameeran Walwekar (UOP)
- 17) Dr.Sunita Dalvai (Director,

Communication Studies, Kolhapur)

- 18) Mr. Sandeep Nulkar (BITS, Pune)
- 19) Mr. Rajeev Devasthali (DGM, RBEI, Bangalore)
- 20) Mr. Anthony Thomas (Director, English Academy)
- 21) Mr. Abhiraj Purandare (Language Trainer Pune)
- 22) Dr. Swati Acharya (University of Pune)
- 23) Dr. Makhadooma Saadat (Integral University, Lucknow)
- 24) Ms. Anjaleena Soni (Kohinoor Business School,Pune)
- 25) Ms. Jankee Waldraff Narkar (Max Mueller Bhavan)
- 26) Mr. Makrand Pandit (TechnoWrites Pune)
- 27) Mr. Abhijeet Wakhare (Techno Writes Pune)
- 28) Ms. Jagori Mukharjee (Techno Writes Pune)

Valedictory session was held under the guidance of Mr. Zubin Kabra (Director, IGCC), Dr. Ashok Chaskar (Dean, Arts and Fine Arts UOP), Dr. Vijay Kahre (Director, International Students Center, UOP). We received 130 abstracts to present the papers. This conference was funded by ICSSR, New Delhi and BCUD, UOP.

Mrs. Alka Kamble worked as Chief coordinator for this conference, Ms. Deepali Lodh worked as editor, Mrs. Pallavi Math worked as coordinator for correspondence, Ms. Sangita Sarma worked as a coordinator of the guests. Mrs. Beena Muttalgi, Mr. P. M. Sambare, Mrs. Vandana Joshi and Shrikant Kamble also helped to make this conference successful.

3) A Guest Lecture was organised for UG and PG students on " Presentation Skills and Body Language" by Ms. Leah Guren (Israel) on 1st February 2013.

Personal achievements of members of the Staff of the Department

Mrs. Alka Kamble

- 1) Chaired a session at the National Conference on "Learn Grammar Creatively "organised by Symbiosis ELTIS on 8th and 9th Feb. 2013.

Ms. Deepali Lodh

- 1) Presented a paper entitled ' Theme and Influences in the Modern Indian Short Story in English' on 28th July 2012 at a National Seminar at Bhaban's Art's and Commerce College, Ahmedabad.
- 2) Invited to lead a discussion on ' Jhumpa Lahiri and her novels" at the book club on 13th August 2012 at S. P. College, Pune.
- 3) Presented a paper entitled ' Rousseau and Romanticism' at National Seminar on 5th September 2012 at S. P. College, Pune.
- 4) Invited for a guest lecture on 'Writing Book and Film Reviews' on 7th September 2012 at the Dept. of Economics, S.P. College, Pune.
- 5) Participated in a Radio Talk entitled 'In the memory of Robert Browning' aired on AIR 20th November 2012.

Ms. Pallavi Math

- 1) Participated in a workshop organised by C. T. Bora College, Shirur on 'Credit System for P.G. Students' on 8th January 2013.

Ms. Sangita Sarma

- 1) Presented a paper entitled ' The Sensitiveness of a Indian Poet Kamala Das' on 28th July 2012 at a National Seminar at Bhaban's Art's and Commerce College, Ahmedabad.
- 2) Organised and co-ordinated a one day North East cultural Fest at Modern College, Pune-5, in association with University of Pune on 19th Sept. 2012.

- 3) Organised and co-ordinated a cultural Evening at Ganesh Kala Krida Manch in association with Modern College Pune – 5 and Ministry of Home Affairs in October 2012.

Mrs. Alka Kamble and Ms. Sangita Sarma participated in an International Symposium on “Higher Education: Crisis and Challenges” organised by Mumbai University, BUCTO and Kirti College, Mumbai on 11th Dec. 2012.

Ms. Deepali Lodh, Ms. Pallavi Math and Ms. Sangita Sarma participated in a workshop on ‘Cooperative Learning Applied to Classroom’ on 8th February 2013 at Modern College, Pune 5.

Mrs. Alka Kamble
Head

Department of Geography

Department of Geography conducted academic and other activities smoothly in the Year 2012-2013. In addition to classroom teaching various other activities were conducted by the department at various levels.

Excursion Tours and Village Survey

1. Village survey of Tahmini Bk. was conducted by the department in September 2012 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 10th Oct. 2011 a study tour was arranged for M.A.-I Geography at Mahabaleshwar, accompanied by Dr. V.B. Kamble, Prof Yogesh Deshpande, Prof. Manasi Desai and Shri.D.M.Raut.
3. On 05nd Jan. 2013 an excursion tour was arranged for S.Y.B.A. and S.Y.B.Sc (Geography Special)

students at Nagaon / Kihim accompanied by Dr. Nayana Kulkarni, Prof Vilas Kamble, Prof. N.L.Wayal and Shri D.M.Raut.

4. On 16th Jan. 2013 an excursion tour was arranged for T.Y.B.A. students at Alibag - Kihim accompanied by Dr. Nayana Kulkarni and Prof Vilas Kamble and Shri. D.M.Raut.
5. On 23rd Feb . 2013 a study tour was arranged for Junior wing students at Harihareshwar accompanied by Prof. Salunke M.S., Prof. Alhat V.B., Mrs. Ketaki Nazirkar and Mrs. Sangita Kudale.

Achievements of Teachers -

1. Prof V. B. Alhat was honoured by the Best Teacher Award by Progressive Education Society.

Guest lectures

1. A lecture on, “Tsunami – In Relation To Plate Tectonic Movements” was delivered by Prof. Anil Dandekar on 10th Sept. 2012.
2. A lecture on, “ Applications of GIS” was arranged for post graduate students on 4th Oct. 2012. The lecture was delivered by Dr. Chavan.
3. A lecture on, “ Explore The World of Travel” was delivered by Mrs. Mrunal Joshi on 12th Feb. 2013.

Dr. Nayana Kulkarni
Head

Department of German

Today the world in the 21st century has become a global village. Young Indian professionals are fanning out across the globe for taking up assignments in different fields, be it finance, engineering, humanities or research in pure sciences. Today, even those who do not venture overseas need to know a foreign language in view of lucrative job opportunities being

offered by multinational companies in India. In this context, the learning of German assumes great importance. Realizing this need of the hour, Department of German organizes and participates in various activities for the promotion of German.

- An International Conference on “Employability Enhancement through Proficiency in Indian and Foreign Languages” was organized from 28th to 30th Jan. 2013 wherein many experts from academics and industry presented either their research papers or delivered speeches on this important topic.
- On 19th August 2012 Katharina Klein, an intern from Göttingen University, Germany conducted an interactive presentation for our students on “Opportunities of Higher Studies in Göttingen”
- On 24th October Verena Zimmermann conducted a session on German Music for our certificate students.
- On 28th December 2012 Eleonara Wondratsch an intern from Austria did a presentation on “German Festivals”
- Many of our students attended German Film Festival organized by PASCH.
- In April and November 2012, our 12 students successfully completed German Youth Camp organized by PASCH.
- Malhar Mone (XII Sci) was selected for the prestigious PAD scholarship and went to Germany in June to attend a German School.
- Gayatri Achyut (XII Sci) stood first in the Pune district essay competition organized by MMCC, Pune.
- We conducted A1 and A2 certificate courses in German successfully. The result was 100%. These are

internationally recognized exams.

- In November 2012, a delegation of educationists was invited by German Embassy Delhi to visit Germany's vocational training centres. Sanjeevani Kuvalekar was invited for this, on behalf of the Maharashtra Board of Secondary and Higher Secondary Education. She worked as a co-ordinator for International conference on “Employability Enhancement through Proficiency in Indian and Foreign Languages”.
- In August, Sanjeevani Kuvalekar, Shilpa Rege and Alka Kulkarni participated in the seminar on orthography organized by PASCH.
- Samrat Mandlik (XI Sci) and Shubham Salokhe (XII Com) presented their environmental project in the conference “ Greening with Goethe ” which was organized by Max Mueller Bhavan, Bangalore. During this programme the students got a golden opportunity to interact with Scientist and our ex- President Dr. Abdul Kalam.
- This year German Embassy celebrated 60 years of India- Germany Diplomatic Relationship. The Event Indo-German Urban Mela took place in January 2013. Manoj Joshi (XI Com) and Prachi Atre (XI Arts) presented an extract from Bertolt Brecht's play “Caucasian's Chalk Circle” It was a wonderful performance.

Sanjeevani Kuvalekar
Head

Department of Hindi

Every year various competitions are organized by our department. This year in Sept. 2012 we organized an ‘Essay Competition’ for F.Y.B.A. students & ‘Advertisement writing competition’ for S.Y.B.A. & F.Y.B.Com. students. Prof. Shah

& Prof. Mrs. Purohit were the examiners of these competitions.

Results

Essay Competition

Manisha Bahadur	F.Y.B.A.	First
Pooja Banik & Afrin Khan	F.Y.B.A.	Second
Runa Kulkarni	F.Y.B.A.	Third
Deepali Raut	F.Y.B.A.	Consolation

Advertisement Competition

Tejasvini Dhabade	F.Y.B.Com.	First
Sayali Sane & Afrin Shaikh	F.Y.B.Com.	Second
Kamala Tak	F.Y.B.Com.	Consolation

14th Sept. 2012 – Celebrated Hindi Day & gave the prizes of essay & advertisement writing competitions at the hands of our Chief guest Dr. Kanti Lodhi – Head, Department of Hindi, Wadia College, Pune.

Principal Dr. Rajendra Zunjarrao was the chairperson of this function. Dr. Nayana Kulkarni, Vice Principal, Arts faculty attended this function and spoke on the occasion. Dr. Kanti Lodhi gave a speech on importance of Hindi Language in our life and presented some of her own poems. Deepali Raut & Pavitra Pawar compered this programme. Prof. Manisha Kamtikar proposed the vote of thanks.

Individual Activities

Prof. Mrs. Purohit

- 1) 14th Sept. 2012 – Invited as a Chief guest in Modern Girls' High School, Pune on the occasion of Hindi Day.
- 2) 15th Sept. 2012 – Participated in State Level Seminar organized by Abasaheb Garware College, Pune.
- 3) 28th Aug. 2012 – Attended one day workshop on 'Role of Media & Social Changes' organized by S.P. College, Pune.
- 4) 28th to 30th Jan. 2013 – Worked as a coordinator of International

Conference on Employability Enhancement through Proficiency in Indian & Foreign Languages.

- 5) 4th Feb. 2013 – Compered an inaugural function of state level seminar on Vinodi Katha – Swaroop aani Sadarikaran' organized by Dept. of Marathi, Modern College, Pune 5.
- 6) 16th & 18th Feb. 2013 – Worked as a paper-setter in Saint Meera's College, Pune.
- 7) 1st March 2013 – Delivered a talk on 'Dnyanpith Awardee Vinda Karandikar' on AIR, Pune in Hindi Programme 'Kalash'.

Prof. Manish Kamtikar

8th Feb. 2013 – Delivered a speech on a novel 'Daud' in Hindi Department of Fergusson College.

Mrs. S.D. Purohit
Head

Department of History

Departmental Activity for Students

- Audio created (History Related harangues) for Blind Students.
- History Related film DVDS collection & Sharing among the Students.
- Collection & Sharing of Speeches of Great Personalities all over the globe.
- Collected the Data for Jobs & Concern Careers related to history studies.
- Scanning of Question Bank & On demand email facility.

Research & Discoveries

Head

Rediscovered the ancient script- *YogTarawali* & interpreted it for Jeo Oriental Research Center.

Consultancy

In the year 2012-13 -Offered & Organized liberated / free Consultancy of Meditation (For inner Peace & focus/Concentration) for Corporate staff, College Students, & Global citizens. Also guides to Ignite Dormant

Powers by ancient wisdom .

Conferences & Seminars

1. Worked as an Organizing committee member of an International Conference organized by Modern College, Pune-5, 28th to 30th Jan 2013.
Subject – ‘Employability Enhancement through proficiency in Indian and foreign languages’.
2. Attended State level Seminar organized by Department of Marathi in Modern College, Pune-5,
4th and 5th Feb 2013.
Subject – *Marathi Vinodi Katha – Swaroop Aani Sadarikaran.*
3. Attended National level Seminar sessions organized by Department of Commerce in Modern College, 23rd and 24th Feb 2013.
Subject - Emerging issues in Indian Commerce & Industry.

Speeches / Talks

Subject - Human Potential Development Techniques in Spirituality at Percept World Language Institute, Pune on 9 Sept. 2012.

Subject- *Adhyatmic Manavtawad.*

Place- Samarth Upasana Kendra, Model colony, Pune.

Date- 2 Oct 2012.

Subject- *Navya Bhavishakade- Creating New Future.*

Place- Neuo- world welfare mission- Ghole Road, Pune.

Date- 12 Jan 2013.

Subject- Careers in Social Sciences.

Place- “Induction Programme” in Modern College, Pune -5.

Date- 9 July 2012.

Subject- Yog Katha.

Place- Osho Sadhana Kendra, Prabhat Road, Pune.

Date- 24 Feb 2013.

Community Services / Movements - Campaigns

Dr. Rajesh has done the following activities –

For Senior Citizens

Contributed for M.B.M .Trust (Nasik) which organized a Special programme for the Senior citizens at Nasik for Completing their 80 years of life. (June 2012).

For Orphans

Contributed Books for the orphans in the following orphanages-

- SOS Children’s Villages, Pune, India.(Date-2 Oct 2012),
- Anath Hindu Mahilashram , Pune.- (Date-4 Oct 2012)
- Borderless foundation- Kashmir (Date-12 Oct 2012).

For Youth

Worked as a Co- organizer for contest for Lord Ganesh Mandals .The contest was organized by Next Gen TV & Dharmatma TV Channels.It covered near about 250 Ganesh Mandals & 50,000 people in Pune Metro.

Citizen Awareness against the Illegal Constructions & Nature-Environment Distract

Took lead to aware citizens & administration / system against the illegal Constructions & Nature-Environment Distract at Shivajinagar (Pune) area. He prepared investigations by Photo evidences & other proofs. He created strong Awareness by mobile SMS campaigns, E-mail campaigns, Blog writing & direct interactions with citizens & administration (campaign started from – Jan-2013).

Support Writ Petition in the Supreme Court for Making Voting Compulsory:

For making India Truly a largest democratic country, it is necessary that

every citizen should vote. Mr. Thakur filed a writ petition in the Supreme Court urging the court to make voting compulsory for every eligible voter in the country. Percentage was less than 58.04%.

In this petition it is also pointed that the role of educational institutes in India could be further widened to ensure that they enroll the names of the students in the voters list as soon as they cross the 18 years of age. This will help in saving the government machinery's time and efforts in regularly updating the electoral list. Dr. Rajesh is in the Supporting Stand of this Reform movement by Collecting the supportive intellect references & data. Dr. Rajesh collected signatures to support the reform.

Global Marriages Appeal by Neuo Way Movement

Dr. Rajesh's is a one of the founder of the Neuo Movement which is enlightening people to come to an end the slavery of land, gender, tribe, caste, age, orthodoxy, biased social views, prejudice, racism, viewpoint, or mindset. Neuo Way Movement appeals Global Marriages (Living beyond man made borders) to promote the new way of noble Humanity & internal consciousness. (Since -2012 Dec).

Dr. Manda Admane

- 1 Participated in the National seminar on "Satyashodhak Movement & contemporary reform movements in India" organized by Bharatratna Dr. Babasaheb Ambedkar Mahavidyalaya, Aundh, Pune -7, 24th, 25th Aug. 2012. Presented a paper- 'Maharashtra in 19th century and social reformers'.
- 2 Participated in one day seminar on 'Perspectives of extension- an interface with college and college teachers programme co-ordinations' held on 6th Sept – 2012, in Pune University by the Department of Adult

education and extension.

- 3 Participated in State level seminar on 'Career opportunities in social science' held in Modern College on 9th July 2012.
- 4 Assisted in organizing one day seminar on 'Personality Development' under 'Vidyarthini Manch' - on 12th Dec. 2012 for the students.
- 5 Assisted in organizing various programmes of Yuva Manch, Janiv Jagar, Jeshta Nagrik Shibir and Counselling for students held in college.
- 6 Participated in 'International Conference on Employability Enhancement through proficiency in Indian and foreign languages.' held in Modern College, 28th to 30th Jan 2013.

Dr. Milind Paradkar

- Visiting Faculty – History.
- President – Chhatrapati Shivaji Memorial Oriental Institute.

Awards for Published Thesis-

Dr. Milind Pardkar's Published Thesis has been awarded by-

- Mrutunjay Puskar by Maharashtra Sahitya Parishad, Pune (Date- May 2012.)
- Late Shri Pandurangrao Utkhede Memorial Award by Ankur Sahitya Sangh, Akola.
- Late Dr. V. G. Khobarekar Memorial Award by Itihas SanShodhan Mandal, Mumbai Marathi Granth Sangrahalay, Mumbai. (Date- March 2013).

Dr. Rajesh Kulkarni
Head

Department of Marathi

The Marathi department has undergraduate as well as a Post Graduate wing. This year, the University of Pune granted permission to establish a Post-

graduate Research Centre, thus enhancing the department. The department has students from Arts, Science and the Commerce wing. During the academic year the department organized many curricular and extracurricular activities.

The department introduced a course in Translation for our students and external participants last year. This has been the second year of the course.

The department organized a Two day state level seminar on 4th and 5th Feb. 2013 on 'मराठी विनोदी कथा : स्वरूप आणि सादरीकरण' – (संयोजन व्यवस्थापन). Many well known speakers contributed in this seminar. Our students and teachers were impressed by the knowledge of the speakers. This seminar was jointly sponsored by the University of Pune, Bank of Maharashtra, the D. S. Kulkarni Foundation, Rangit Enterprises and personal contributions from Mr. R. Biyas, The department is very thankful to them for their support.

Our blind student Rupkumar Yadav received US \$5000/- from Colonel Shashee Anand in the form of Instruments. Dr. Ghate, H.O.D. Zoology also gifted him books worth Rs. 3000/-. We are thankful for their help.

The department had organized a Hand writing competition on Jagatik Marathi Day and birth of Kavi Kusumagraj. The following students proved their merit in this competition.

- 1) Shrikant Kulkarni
- 2) Sunil Desai
- 3) Anagha Deshpande
- 4) Rahul Hande
- 5) Seema Pawar.

On the eve of the birth centenary of Yashavantrao Chavan, the department organized a commemorative programme and our P.G. students, wrote an article on the topic 'My Mother'.

Achievements

Dr. Snehal Tawre

- 1) Invited as a Chief guest at Wagholi College on 10th August 2012 for the inauguration of the Arts Circle.
- 2) Invited as a Chief guest at Nira College for their State level seminar on 11th Sept. 2012.
- 3) Invited as a Chief guest at Siddhivinayak College and the magazine release of 'Palavi' on 28 Sept. 2012
- 4) Invited as a Chief guest at Ravindra Natya Mandir on 12 Oct. 2012 for Shanta Shelke's Prize distribution ceremony.
- 5) Invited as a Chief guest at a publication programme named 'Gabhasti' on 18th Nov. 2012 in Lonavala.
- 6) Invited as Chief guest at Gevrai Gadi on 28 Dec. 2012 at the State level seminar on 'The Literature of Uttam Kamble'.
- 7) Article published 'आठवणीतील शांताबाई' in a book on 12th Oct. 2012
- 8) Invited as a Chief guest in Pratibha Inter College debating Competition in Baramati College on 12 Dec. 2012.
- 9) Invited as a chairperson in Shahu College, Pune at a seminar on 'Marathi Novel' on 4th Jan. 2013.
- 10) Appointed as V.C. nominee and subject expert on Pay Fixation Committee, Ph.D. orals in University of Pune, Ahmednagar, Shrirampur, Shirur etc.
- 11) Wrote a vignette for Dr. Kantilal Sancheti on Shankarrao Kanitkar Memorial Day on 25th Jan. 2013.
- 12) Invited as Chief guest at the Prize distribution ceremony in Goyal Vidyalaya on 2nd Feb. 2013. Her topic was 'The different Opportunities and Career options in the Marathi

language'.

- 13) Attended two days meetings in Ramanand Teerth Vidyapeeth B.O.S. Marathi on 7th & 8th March 2013.
- 14) Worked as Chairperson at the state level seminar in Baramati College on 15th Feb. 2013 on 'भाषा विषयातील नोकरीच्या विविध संधी'.

Dr. Madhura Koranne

- 1) 200 copies of the book 'Marathi Natak Ani Doctor Pratima' were purchased by 'Central Institute of Indian Languages, Manas Gangotri, Mysore.
- 2) Delivered a lecture on "Stree Natakkananchi Natke" in 'Lekhika Sammelan', organised by Dadar Matunga Sanskrutik Kendra, Mumbai (24th Nov. 2012)
- 3) Participated in 'Hello Sakhi' a programme on Sahyadri Doordarshan Kendra to conduct a discussion and a live interview on the subject 'Adhunik Natkatil Stree - Pratima' (27th Nov. 2012)
- 4) Participated in a discussion programme on the topic 'Family Doctor - Aajachi Garaj' - on Vidyawani, the centre in the University of Pune.
- 5) Presented a play reading of one part of the drama 'Savitri' written by Jayavant Dalvi, organised by Sahitya Sangh, Dakshin, Pune (24th Feb. 2013)

Dr. Vaijanti Jadhav

1. Presented research paper on 'Marathi Sineabhinetrinchi Aatmacharitre' in National Seminar on 'Bharatiya Aatmacharitratil Stri Sanvedan' organized by Shri Shahu Mandir Mahavidyalay and UGC- 4th and 5th January 2013.
2. Participated in National Seminar on 'Genre Fiction' by British and Marathi Women Novelists' organized by D.R.

Mane Mahavidyalay, Kagal and Department of English, Shivaji University, Kolhapur- 18th and 19th January 2013.

3. Participated in the International Conference on 'Employability Enhancement through proficiency in Indian and foreign languages' organized by our college, from 28th to 30th January 2013.
4. Participated in National Seminar on 'Marathitil Saundaryavichar' organized by Department of Marathi, University of Pune- 8th and 9th March 2013.

The success of our efforts was a result of good team work of my colleagues and students and the support of our Principal Dr. Rajendra Zunjarrao and all Vice-Principals. I am thankful to them and seek their encouragement for all our future activities.

Dr. Snehal Tawre
Head

Department of Political Science

The Department of Political Science had a new addition. Mrs. Keshkar joined as C.H.B. lecturer for the Non Grantable Section.

Khokale D.L. attended a workshop on Syllabus Revision of Political Science (F.Y.B.A.) at Abeda Inamdar College, Pune. Worked as a Member of the Best Student Trophy Committee.

Khokale D.L.
Head

Department of Psychology

Psychology Department successfully conducted extra-curricular and co-curricular activities and organized various workshops throughout the year. The objective of these activities was to develop

the required skills in the students and to make them aware of the broader applications of psychology.

At present the department of psychology has 40 students at the under-graduate level and 76 students at the post-graduate level.

The overview of the various activities is as follows:

Study Tours :

- Students of SYBA and TYBA visited Kaivalyadham Yoga Institute and Manashakti Kendra at Lonavala with by Prof. Apeksha K. Gawade.
- Regional Mental Hospital at Ratnagiri and Walavalkar Trusts Hospital at Dervan was also visited by the SYBA and TYBA students which was organized by Prof Vijaya Jagtap.
- M.A students completed a certificate course in counseling at Christian Counselling Center, Vellore, TamilNadu.

Paper Presentations by Students :

- Prerana Anchalia, Tonmoy Haldar and Manmeet Dullat presented their papers at National seminar on Developing Human Potential: Perspectives, Issues and Challenges, organized by Fergusson College, Pune-05.
- Dhanashree Sawant presented her paper at the National seminar on Experimental Psychology organized by Department of Psychology- University of Pune.
- Neha Vartak, Rucha Khare, Divya Ratan and Rajul Shah (BA students) presented their papers at the National conference of Indian Institute of Mental Health, held at Sangli, Kolhapur.
- Paper by Siddharth Godbole (BA student) was published in the Proceedings of State Level workshop on Holistic Healing- A journey to

Optimal Wellness held at Fergusson College, Pune-04.

Film Festival :

The FYBA students under the guidance and supervision of Prof. Apeksha Gawade and Sumedha Chandekar organized a Psych Film Fest through which popular movies – Orphan, Sybil and The pursuit of Happiness were screened, followed by Panel Discussion.

Quiz Competition :

On the occasion of World's Mental Health Day (10th October), a quiz competition was held in which the MA students actively participated. They were shortlisted in 4 groups. Group A- who had Tonmoy Haldar, Shamika Tikhe and Harpreet Gala won the competition. Prof. Smita Vaidya and Apeksha Gawade were in charge for the whole event, guided by Prof. Amruta Oke.

Presentation Competition :

Presentation competition was held for the SYBA students by Prof. Sumedha Chandekar. Girija Vaidya received the first prize.

Teachers' Day Celebration :

In order express their respect towards teachers, MA students engaged lectures of all the teachers and the under graduate students (FY, SY, TY) and arranged a surprise cultural programme for their teachers, on Teachers' Day.

Workshops Organized :

Workshop on HIV/ AIDS counseling by Dr. Ujjwal Nene and Premarital Counselling by Dr. Vasudha Kulkarni respectively were conducted for the MA students. Workshop on Sex- Education was conducted by Prof. Sumedha Chandekar for the BA and MA students.

Inter- collegiate Essay Competition :

Scizophrenia Awareness Association (SAA) organized an inter-collegiate essay competition on the topic 'Mental Health and Superstitions'. Five students participated. Arti Godse got the 1st prize, Prasad Chaubal got the 2nd prize and Vedangi Kulkarni got the consolation prize.

Guest Lectures :

Dr. Sanyogita Nadkarni delivered lectures on Child Psychiatry and Autism, while Prof. Rutuja Chinchankar gave lectures on Geriatric Counselling and Interpretation of Projective tests.

Seminars/ Workshops/ Conferences Attended :

Students attended the following seminars, workshops and conferences.

- 'Lifestyle Challenges and Counselling' organized by Academy of Personality Development.
- National seminar on Developing Human Potential: Perspectives, Issues and Challenges, organized by Fergusson College, Pune-05.
- National seminar on 'Beyond Horizons: Giftedness in 21st century' organized by Jnana Prabodhini, Pune.
- National Conference on Family Mental Health organized by Indian Institute of Mental Health, held at Sangli, Kolhapur.
- National seminar on Experimental Psychology organized by Department of Psychology- University of Pune.
- State Level workshop on Holistic Healing- A journey to Optimal Wellness held at Fergusson College, Pune-04.
- Sinha Ray Memorial lecture on Effective Parenting arranged by S.P College.

Parents' Meeting :

Parents' meeting was arranged to explain the departmental activities.

Cooperation and support of parents was appreciated and they were requested to continue so in future.

Counselling Camp :

Every year the department of psychology holds a free counseling camp to provide the students with hands on experience for the final year 'Counseling psychology' students.

Cases were handled during the camp by the students. Efforts were put and the students tried their best to resolve problems of students from Modern College and other colleges, people from the neighborhood area and non-teaching staff members by using the counseling skills, techniques and therapies.

This year along with the counseling camp the students simultaneously conducted workshops:

- Sai Mule – Animal Therapy
- Tonmoy Haldar – Dance Therapy
- Aditi Moghe – Stress Management
- Sanjeevani Rahane – Handwriting Analysis & Graphology

Students participated in these workshops. Prof. Shradha Sakatkar was Incharge for this activity.

Intelligence testing was conducted on a group of students who had approached our department.

Collaborations :

MA counseling students worked as volunteers for 'Door Step'- a NGO which works for children who dwell in the slum areas and belong to the lower socio-economic strata.

They also conducted Career counseling sessions for the students in various schools in association with the Pragati Foundation.

Achievements of the Students :

- Aditi Moghe a student of MA was selected to present the Indian Folk Dance in Mauritius through Jagruti

Kala Manch.

- Students from the North-east States actively participated in the 'North-east States Cultural Fest' organized by NSS-University of Pune.

Achievements of Ex- Students :

- Ms Pradnya Vadnere qualified the NET examination 2012.
- Ms Gayatri Vartak got the prestigious membership of British Psychological Association. At present she is pursuing her M.S. degree in Sports Psychology in UK.
- Mr. Hrishikesh Khilare got the Samarth Gaurav Puraskar for his social- work at Melghat.

Achievements of Teachers :

Mrs. Amruta Oke

- Invited at State level conference of Human Education Society, at Jalgaon as a Panelist of Open Forum on 'Effective Parenting'.
- Invited as a Chair-person of paper reading session at National seminar on Developing Human Potential: Perspectives, Issues and Challenges, organized by Fergusson College, Pune-05.
- Invited as a Chair-person of paper reading session at National seminar on 'Beyond Horizons: Giftedness in 21st century' organized by Jnana Prabodhini, Pune.
- Invited as a resource person in syllabus restructuring workshop held at Purandare College, Lonavala.
- Received the life membership of Indian Association of Mental Health.
- Received the life membership of Human Education Society, Pune.
- Selected as a Joint Secretary of Indian Association of Human Behavior consecutively for the 2nd time.

- Invited as a Chief guest for prize distribution ceremony of Ramarajya Shikshan Sanstha Pune.
- Invited as a resource person to conduct a workshop on Personality Development organized by BMCC, Pune.
- Invited to deliver a lecture on Careers in Counselling Psychology by S.N.D.T College, Pune.
- Invited to deliver a lecture on Nature of Counselling at Vidyarthi Mancha in Modern College.
- Co-opted as a member of syllabus revision committee of Board of Studies in Psychology, Pune University.

Smt. Vijaya Jagtap

- Successfully completed a certified course of Career Advisor conducted by Jnana Prabodhini, Pune.
- Attended National seminar on 'Beyond Horizons: Giftedness in 21st century' organized by Jnana Prabodhini, Pune.
- Attended the syllabus restructuring workshop held at Purandare College, Lonavala.

Smt. Smita Vaidya

- Attended the National seminar on Developing Human Potential: Perspectives, Issues and Challenges, organized by Fergusson College, Pune-05.

Mrs. Shradha Sakatkar

- Attended the National seminar on Experimental Psychology organized by Department of Psychology- University of Pune.

Ms. Apeksha K. Gawade

- Therapy Trio Workshop arranged by the Dept of Psychology- Wadia College, Pune-05.
- Won the third prize in the Intercollegiate Photography

Competition held at Modern College, Pune.

Dr. Vaishali Mardhekar (visiting faculty)

- Research paper published in an International Journal.

Mr. Sairaj Patki (visiting faculty)

- Won the first prize in the Intercollegiate Photography Competition held at Modern College, Pune.

Mrs. Amruta Oke and Mr. Sairaj Patki worked as a member of the Coordinating committee of National seminar on Experimental Psychology organized by Department of Psychology- University of Pune.

Smt. Vijaya Jagtap and Ms. Apeksha K. Gawade completed a Certificate course in Counseling at Christian Counselling Center, Vellore, TamilNadu.

Mrs. Amruta Oke, Smt. Vijaya Jagtap, Smt. Smita Vaidya and Mrs. Shradha Sakatkar worked as members of co-ordination committee of International seminar on 'Employability, Enhancement through proficiency in Indian & Foreign Languages'.

Smt. Neeta Pachange- Lab Assistant; Mr. Suresh Jadhav and Mr. Arun Shindekar- Lab Attendant; and Prasad Salvi- Student from the Earn and Learn Scheme have always cooperated in the smooth functioning of our Department.

Mrs. Amruta Oke
Head

BIOTECHNOLOGY

The year 2012-13 was a very eventful one for our department. The department organized various activities viz., workshop on "Intellectual Property Rights", one day Lecture series "Intellectual Property Rights -A career option for Life Sciences" and Biotech fest. The staff and students participated in research, curricular and extracurricular activities. The department also organized various field visits and study tours for the students.

Students visited following places as a mandatory part of their syllabus.

Sr.No.	Class	Visit	Date
1	F.Y.B.Sc	Mapro food products	4 th Jan 2013
2	S.Y.B.Sc	Mapro food products	4 th Jan 2013
3	T.Y.B.Sc	Mapro Food products	17 th Sept 2012
4	T.Y.B.Sc	Sula wines	17 th Dec 2012
5	M.Sc I	National toxicological center	8 th Sept 2012
6	M.Sc I	Hyderabad	9 th -12 th Feb 2013
7	M.Sc II	BAIF	8 th Sept 2012
8	M.Sc II	Hyderabad	9 th -12 th Feb 2013

Achievements of Teachers

Dr Sangeeta Bhagat

- Attended International Symposium on " Proteomics Beyond IDs... held from 22-24th Nov 2012 at National Chemical Laboratory, Pune.
- **Four Posters** presented in the International Conference 19th ISCB International Conference (ISCB-2013) on "Recent Advances and Current Trends in Chemical & Biological Sciences" 2-5 March 2013 at Udaipur.

- i. "Study of Antioxidants, aldose reductase, inhibition & anticataract activity of *Tinospora coridofolia*."
- ii. "Antioxidant & Antimicrobial effect of Ayurvedic formulation for management of Diabetes."
- iii. "Evaluation of Phytoconstituents and *in vitro* alpha amylase inhibitory activity of *Costus specius*."
- iv. "Study of antidiabetic properties of *Tinospora coridofolia*"

Mrs Rebecca Thombre

- Attended workshop on "IPR" organized by Indian Patent Office (IPO) and GMGC on 5th Jan 2013.
- Delivered guest lecture on "Applications of Biotechnology" at One day Seminar organized by Fergusson College on 13 Feb 2013.
- Worked for Project evaluation at PICC – Mukangan Exploratory on 15th Feb 2013.
- **Received a grant of Rs. 2,00,000 from BCUD, University of Pune**, for the project entitled "Green synthesis of silver nanoparticles using Congress weed" for the year (2012-2014).

Dr. (Mrs.) Shubhangi S. Puranik

- Participated in **One day Conference** on "Emerging Issues in Ethics & regulation in medical research" organized by Deenanath Mangeshkar Hospital on 12th Jan 2013.
- Guide for 2 PICC students projects.
- Attended a meeting at "Maratha chamber of Commerce" Bhosari, Pune on 11th March 2013.
- Organized & chairperson of "**Industry-Academia Meet**" in Modern college of Arts, Science and Commerce Shivajinagar Pune 05 on 14th March 2013.

Mrs. Rama Phadke

- Worked for Project evaluation at PICC – Mukangan exploratory on 15th feb 2013.

Mr. Ravi L Dabhade.

- Attended one day workshop on **implementation of credit system for PG courses**, organized by Abasaheb Garware College Pune.
- Worked as a member for organizing '**International conference on Employment enhancement through proficiency in Indian and foreign language**' organized by Modern College of Arts, Science and Commerce Shivajinagar Pune 05.

Dr. Litake G.M.

- A poster entitled, "**Antioxidant & Antimicrobial effect of Ayurvedic formulation for management of Diabetes**" presented at '19th ISCB International Conference (ISCBC-2013) 'Recent Advances and Current Trends in Chemical & Biological Sciences' during 2-5 March 2013 at Udaipur.

Dr. Sangeeta Sathaye

- Poster presentation in the International Conference 19th ISCB International Conference (ISCBC-2013) titled Recent Advances and Current Trends in Chemical & Biological Sciences on "**Evaluation of Phytoconstituents and *in vitro* alpha amylase inhibitory activity of Costus Specius**" 2-5 March 2013 at Udaipur
- A poster entitled, "**Antioxidant & Antimicrobial effect of Ayurvedic formulation for management of Diabetes**" presented at '19th ISCB International Conference (ISCBC-2013) 'Recent Advances and Current Trends in Chemical & Biological

Sciences' during 2-5 March 2013 at Udaipur.

- Organised **Biotech fest on Feb 2013** in Dept of Biotechnology Modern College, Shivajinagar, Pune 5
- Attended one day work shop on '**Intellectual Property Rights**' organized by Department of Biotechnology, Modern College of Arts, Science and Commerce Shivajinagar Pune 05 on 2nd Feb. 2013.

Dr Sangeeta Bhagat, Mrs Rebecca Thombre, Dr. (Mrs.) Shubhangi S. Puranik, Mrs. Rama Phadke, Mr. Ravi L Dabhade and Dr. G.M. Litake -

- Attended workshop on "**Intellectual Property Rights**" at Dept of Biotechnology Modern College, Shivajinagar, Pune on 2nd Feb 2013.
- Organised one day Lecture series "**Intellectual Property Rights - A career option for Life Sciences**" on 18-19th Jan 2013.
- Organised **Biotech fest on Feb 2013** in Dept of Biotechnology Modern College, Shivajinagar, Pune 5.

Dr Sangeeta Bhagat and Dr. (Mrs.) Shubhangi S. Puranik-

- Participated in State Level Workshop on "Choice Based Credit System" organized by C.T Bora College, Shirur on 16th Jan 2013.

Mrs Rebecca Thombre, Mrs. Rama Phadke, Mrs. Rama Phadke and Mr. Ravi L Dabhade-

- Attended one day workshop for teacher on 'Cooperative learning applied to classroom' on 8th Feb 2013 and organized by Modern College of Arts, Science and Commerce Shivajinagar Pune -5.

Dr. (Mrs.) Shubhangi S. Puranik and Mrs. Rama Phadke constituted the Institutional Ethical Committee.

Dr. (Mrs.) Shubhangi S. Puranik and Dr. G.M.Litake attended NSS camp at Kule (Paud).

Research projects carried out by the M.Sc. and B.Sc. students as a part of their degree course, were guided by our staff members.

Achievement of Students

F.Y. B.Sc. (Biotech)

1. The class was 1st runner-up in the Annual Gathering of the college.
2. At the Biotech fest held at Wadia College Rochelle was the only winner for photography.
3. Yash and Atith was winner for quiz of Life Sciences and Applied Science held at the IIT College Pawai. I) Ten students actively participated in the Rajgad Rice Planting Camp and 8 students participated in the NSS camp held in Paud Village which was of 7 days.

Students from F.Y.B.Sc. & S.Y.B.Sc. Biotech qualified PICC examination for promotion of research, Few students were offered student membership of PICC.

S.Y. B.Sc. (Biotech)

Students of S.Y.B.Sc. Biotech participated in various inter-collegiate competitions

T.Y. B.Sc. (Biotech)

1. Fenali Parekh and Glory Francis presented poster on "Green synthesis of silver nanoparticles" at Avishkar 2012 at Fergusson College.
2. Parvathi Lekshminarayan, Glory Francis, Fenali Parekh presented a poster on "Green synthesis of silver nanoparticles using some selected plants" at National Conference organized by Dept. of Botany, University of Pune from 13-14 Feb 2013.

3. Nilesh Sonawane, Yagandhara Patil, Pankaj Bangal, Suryakant Gavhane, Balkrishna Talwar presented a poster at the DST Sponsored National Conference on Bioengineering Science organized by COEP, Pune from 15-16 March 2013.
4. Participated in various inter-collegiate competitions.
Pooja Takle from F.Y. Biotech and Meenu Kuman from T.Y. Biotech got 1st & 2nd Prize respectively for Bio-rangoli competition.
Yash, Rochelle & Atith were the winners of Bio Quiz competition at the "Biotech Fest 2013" organised by our department.

Achievements of M.Sc students:

Two M.Sc. Biotech students qualified GATE, CSIR-NET examinations.

Shraddha Sakat (M.Sc. II)

"Antioxidant and Antimicrobial effect of Ayurvedic formulation for management of Diabetes" Presented in 19th International Conference (ISCB) at Udaipur, Rajasthan, 2013.

Akshada Khadpekar (M.Sc. II)

- a) "Antibacterial activity of various medicinal plants against mixed dental flora" Presented state level conference " Microbiology in 21st century at Modern College, Pune-5, 2011
- b) Research paper published in International Journal 'Research Journal of Pharmaceutical, Biological and Chemical Sciences', Volume 3, Issue-3, Pageno-179-182, 2012 "Antibacterial activity of various medicinal plants against mixed dental flora"
- c) "Study of Antioxidant, aldose reductase inhibition and Anti-cataract activity of *Tinospora cordifolia*: Prospects for alleviating diabetic complications" presented in 19th International Conference (ISCB) at Udaipur,

Rajasthan, 2013.

Archana Raut (M.Sc. II)

"Antidiabetic properties of *Tinospora cordifolia*" Presented in 19th International Conference (ISCB) at Udaipur, Rajasthan, 2013.

Prashant Shah (M.Sc. II)

Presented a poster at the DST Sponsored National Conference on Bioengineering Science organized by COEP, Pune from 15-16 March 2013.

Renuka Joshi (M.Sc. I)

" Evaluation of Phytoconstituent and invitro alpha-amylase inhibitory effect of *Costus speciosus* L. in the Management of Diabetes" Presented in 19th International Conference (ISCB) at Udaipur, Rajasthan, 2013.

Himanshu Patankar – (M.Sc.I)

- a) Won 1st Prize at Avishkar 2012 (Jan) held at Shivaji University, Kolhapur, UG level in Agriculture Section and same project selected for Anvnshan 2013 (National Level) at University of Pune. At Anvnshan workshop project was selected at 2nd position to be presented at the final competition i.e. project was a stand by for University of Pune as preference was given to a PHD project competing this Project titled "Making of Indian Blackberry Wine (Jamun) & Ginger Wine.
- b) Attended 100th Indian Science congress ISC at Kolkata, held for 3rd to 7th Jan 2013. The experience & exposure to Global Scientific community was a lot of add on to knowledge. Program was inaugurated by the Prime Minister of India. Ex-President of India Dr.APJ Abdul Kalam inaugurated Children's Science Congress and addressed the audience.

Dr. Sangeeta Bhagat
Head

Department of Botany

The department of Botany was engaged in various activities in this academic year. The Department of Botany has always tried to impart quality education at Junior, Senior, Post-graduate, Doctoral research and Post Doctoral Research levels. The LCD projectors are installed in undergraduate and postgraduate laboratories. It was possible to show various presentations, animations and specimens to make the teaching interesting to the students. This year the number of students enrolled for the Botany is XI: 309; XII: 210; F. Y. B. Sc: 150; S. Y. B. Sc: 84; T.Y. B. Sc: 18 and M.Sc I, II – 29.

Departmental Activities

- i) Many field trips were organized for T.Y.B.Sc and M.Sc students to develop and increase their interest in Taxonomy of plants.
- ii) The Wall Paper magazine activity continued this year for the undergraduate students.
- iii) A six months Add-on course was conducted by the Botany department for S. Y. B. Sc. Students in 'Plant Tissue Culture'. 12 students participated in the course. The duration of the course was from July 2012- December 2012.
- iv) Under the guidance of Dr. R.S.Zunjarrao in the month of October 2012, the Department of Botany had organized an Intercollegiate Photography Competition based on the theme of 'Nature in Rainy Season'. Dr. Rajkumar Barmukh coordinated this event. About fifty participants, students as well as teachers, from various colleges participated in this competition and about 125 photographs were displayed in the exhibition. Prof. Sairaj Patki from the Department of Psychology of our college won the first prize, Miss Eshani Godbole from MES Garware College, Pune – 4, won the second prize and Prof. Apeksha Gawade from the Department of Psychology, of our college won the third prize. Prof. Dr. Rajendra Mahamuni, Director, Department of Photography, Fergusson College, Pune, worked as the honorable Judge for this competition.
- v) Under the guidance of Dr. R.S.Zunjarrao, the department had organized an exhibition of Flower Arrangements on 22nd January 2013. The flower arrangements made from fresh flowers as well as dry flowers were displayed in this exhibition. The fresh flower arrangements were made by Mrs. Saroj Joshi, a well known artist in this field. The exhibits of dry flower arrangements were made by Prof. Manisha Mandhare from our department. One of our past student Dr. Mrs. Anagha Shinde displayed few interesting Petal Art exhibits which she had made with the dried petals of various flowers. Prof. Manisha Mandhare and Dr. Rajkumar Barmukh coordinated this event.
- vi) Botany association was formed in the department under the guidance of Dr. R. S. Zunjarrao and activities like Wall paper magazine (for F.Y., S.Y. and T.Y. B.Sc.) and PowerPoint presentation competition for T.Y. B.Sc. students were carried out.

Different Courses conducted by Department

- i) Certificate course in Seed Technology was conducted by Prof. Arti P Goggi.

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

- i) Dr V.D.Ranade, Retd. Head, Botany Department, Garware College, Pune.
- ii) Ms. Arti Goggi, Botany Department, Modern College, Shivaginagar, Pune.
- iii) Dr. Bonde, Agharkar Research

Institute, Pune.

- iv) Ms. Rasika Kulkarni
- v) Ms. Ankita Sinha
- vi) Dr. Jennet W. Francis

Study Tours and Excursion

Local Botanical excursion tour was organized by the Botany Department in September 2012 for F.Y. B. Sc. Botany students to Tamhini ghat for studying plant diversity and also for collection of plants.

- i) A Botanical Excursion Tour was organized at Mahabaleshwar for the students of S. Y. B. Sc. in the month of February 2013 for observation of Angiospermic and other plants.
- ii) A Three 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 January 2013.
- iii) A short visit to the Plant Tissue Culture Laboratory of the Department of Biotechnology, College of Agriculture, Pune, was organized for the students of S. Y. B. Sc. in the month of February 2013.
- iv) A visit was arranged for T. Y. B. Sc. students to Ayurvedic Rasashala , 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 October 2012 to observe the algal diversity.
- vi) A one day visit to Mahabaleshwar was arranged for M.Sc. I students in the month of March 2013.
- vii) A visit was arranged to BSI for M.Sc. I and II students in the month of March 2013.

Staff Achievements

Undergraduate Wing

- 1. **Dr. R. S. Zunjarrao, (Head, Department of Botany)**
 - a. Working as Principal investigator on project *SR/SO/S-42/2008*, entitled as "Ecological and Life History Studies of the Association between Cryptogams and Grouse Locusts" funded by Department of Science and Technology for the year 2010-2013, of Rs. 39,52,500/-.
 - b. University Grants Commission, New Delhi, sanctioned funds of Rs. 9,86,750/- for a Major research project entitled 'Developing a Digital Herbarium of Angiospermic Plants of The Western Ghat Regions of Maharashtra.'
 - c. One student K. D. Gopale was awarded Ph. D. under guidance of Dr. R. S. Zunjarrao.
- 2. **Dr. N. M. Patil**
 - a. Co- investigator for BCUD funded project Synthesis of silver nanoparticles using *Parthenium hysterophorus* (congress weed): a novel approach towards weed utilization. (Proposal No: 11SCI001210) of amount 2,00,000/- for a period of two years June 2012- March 2014.
 - b. Recognized Guide of Ph.D. of University of Pune from 8/5/2012
 - c. Poster presentation of BCUD sanctioned project entitled 'Green synthesis of silver nanoparticles using congress weed - *Parthenium hysterophorus*' at Avishkar on December 10th 2012 held in Fergusson college, Pune-411004.
 - d. Participation as member of Organizing committee in the 'International Conference on Employability Enhancement through Proficiency in Indian and Foreign Languages' held from 28th to 30th January 2013 at Modern College of Arts, Science and Commerce, Shivajinagar, Pune -

411005, in association with ICSSR, New Delhi and under Quality Improvement Programme, University of Pune.

- e. Active participation in workshop on “Effective grant writing skills” and “Strategic Management of IPR” held at Residency Hall, Hotel Green Park, Begum Peth, Hyderabad held on July 10-11, 2012 organised by BIRAC (Biotechnology Industry Research Assistance Council in association with BCIL (Biotech Consortium India Limited).

3. Dr. R.B. Barmukh

- a. Worked as a member of a sub-committee formed by the Board of Studies in Botany, for framing of the F. Y. B. Sc. Botany syllabus to be implemented from the academic year 2013-2014.
- b. Attended a one day workshop at Anatrao Pawar Mahavidyalaya, Pirangut, Pune, on the proposed syllabus of Botany at F. Y. B. Sc., which is to be implemented from the academic year 2013-2014.
- c. Attended a one day workshop at New Arts, Science and Commerce College, Ahmednagar on the proposed syllabus of M.Sc. Botany (Credit System) which is to be implemented from the academic year 2013-2014.
- d. Co-investigator of a UGC research project entitled ‘Developing a Digital Herbarium of Angiospermic Plants of The Western Ghat Regions of Maharashtra’.

4. Prof. U. R. Wayase

- a. Completed a Refresher Course in life Sciences at the Department of Botany, University of Pune, Pune, with ‘O’ Grade and stood first in the batch of 34 participants.
- b. Coordinated and conducted a

Certificate Course in Plant Tissue Culture course for the students of S.Y.B.Sc. Botany.

- c. Submitted the Ph.D. (Biotechnology) thesis entitled ‘Metabolic Engineering for salt tolerance in tomato (*Lycopersicon esculentum* Mill.)’ to the University of Pune.

5. Prof. Arti Goggi.

- a. Conducted and co-ordinated Seed technology course for S.Y.B.Sc, T. Y. B.Sc. and M. Sc. Students.
- b. Participated in National conference entitled, “Exploring Strategies for Enhancement of Secondary Metabolites in Medicinal Plants” conducted at Dept. of Botany, University of Pune.
- c. Completed Orientation Programme conducted by Academic Staff College, UGC, University of Pune.

6. Prof. Aditi Kulkarni

- a. Participated in National conference entitled, “Exploring Strategies For Enhancement Of Secondary Metabolites In Medicinal Plants” conducted at Dept. of Botany, University of Pune
- b. Conducted Seed technology course for S.Y.B.Sc, T. Y. B.Sc. and M. Sc. Students.

Prof. Arti Goggi and Prof. Aditi Kulkarni-

- Guided S.Y.B.Sc students for BCUD sponsored Project Competition Named “Avishkar”.
- Guided to I2I sponsored Project to S. Y. B. Sc students. The project entitled “Screening of cellulose degrading micro-organisms for waste management”. The students won 1st prize in this competition.
- Participated in workshop on ‘Co-operative learning for better classroom teaching’.

Dr. R.B. Barmukh and Prof. U. R. Wayase attended a one day workshop at Radhabai Kale Mahila Mahavidyalaya, Ahmednagar, on the proposed syllabus of Botany at F.Y.B.Sc., which is to be implemented from the academic year 2013-2014.

Dr. N. M. Patil, Dr. R.B. Barmukh and Prof. Aditi Kulkarni attended one day workshop on 'Intellectual Property rights' organized by Dept. of Biotechnology, Modern College of Arts, Science and Commerce.

Post Graduate Wing

1. Prof. S. P. Salunkhe

- a. Selected as Plant taxonomy expert for Tree Census in Pune by High court through Nyati Infosys.

2. Prof. P. V. Shelar

- a. Excelled in the NET examination with the 4th National Rank in the month of December 2012. He has been selected as Assistant Professor in Botany at B.N. Purandare College, Lonavala.

3. Dr. K. D. Gopale

- a. Awarded Ph. D. in Botany by University of Pune on 17th September, 2012. Ph. D. topic was "**Diversity and propagation studies of *Jatropha curcas* L.:A Biodiesel plant.**"
- b. Research project entitled "**Fatty Acid Profiling and Molecular Characterisation of Potential Biodiesel Producing microalgae from South India**" has been sanctioned and funded by Department of Science and Technology (DST) New Delhi, of Rs. 30, 00,000/- , for years 2013 to 2016, Under young Scientist Research Schemes category.
- c. Working as Co-investigator on project **SR/SO/S-42/2008**, entitled as "Ecological and Life History Studies of the Association between Cryptogams

and Grouse Locusts." Funded by Department of Science and Technology for the year 2010-2013, of Rs. 39,52,500/-.

d. Lectures /Workshop attended:

- i) Attended State level work shop on "Choice Based Credit System" organised by Chandmal Tarachand Bora College, Shirur, Pune, on 16th January, 2013.
- ii) Attended work shop on "Framing of credit system syllabus for M. Sc. Botany" organised by New Arts, Science and Science College, Ahmednagar, on 26th February, 2013.

Junior wing

1. Prof. R. N. Ingole

- a. Appointed as Science Faculty Co-ordinator Jr. College.
- b. Essay Competition-for Western Maharashtra Teachers organised by Yashwant Sharad Pratisthan, Pune. Best Consolation prize
- c. Participated in workshop organised by HSC Board Pune for Upgraded Syllabi-Std. XII.

2. Prof. Manisha Mandhare

- a. Attended 5 days 'INSPIRE' camp in University of Pune Geology department.
- b. Completed 7 days NSS Programme Officer Training in Ahmednagar from 7th Jan 2013 to 13th Jan 2013
- c. Organised "Flower Arrangement Exhibition" of Dry flowers, Ikebana & Petal craft.
- d. Co-ordinator of various competitions & competitive examinations for junior college students. Brain Bee Quiz, Youth Conference at Bangalore.
- e. Conducted Science Quiz for Jr. college as Quiz Master organized by Science Association.

- f. Completed Confidential work of 'MT CET' from 11th March to 14th March 2013.

3. Prof. Shubhada Phadnis

- a. Worked as member of co-ordination committee for workshop on 'Co-operative learning for better classroom teaching'.
- b. Worked as a resource person for 'Integrated vermitechnology' course conducted by Zoology Department.

Students' Achievement

- a. Two of our students from S.Y.B.Sc. Botany (Div.B) class, Miss Surabhi Rode and Miss Rupali Wankhede were selected for Summer Training Programme sponsored by Indian Academy of Sciences, Bangalore.
- b. A group of six students lead by Ms. Sayali Kirtiwar (S.Y.B.Sc. Botany, Div. B) was financed by Ignited Innovators of India through College of Engineering, Pune for carrying out a research project on "Screening of cellulose degrading micro-organisms for waste management". Their project won **1st Prize (Best Project Trophy)** at a State level project competition.
- c. Two students of S.Y. B. Sc. Botany, Mr. Salim Shaikh and Mr. Suraj Jaiswal presented a poster on 'Green synthesis of silver nanoparticles and their incorporation in paper' at Avishkar zonal Level Project Competition on December 10th 2012 held in Fergusson college, Pune-411004.

Dr. R. S. Zunjarrao

Head

Department of Chemistry

1. Chemiad exam for F.Y.B.Sc students held by Department of Chemistry, University of Pune on 14th January

2013.

2. State level 'Science Talent search Exam' for undergraduate students held on 2nd February 2013.
3. Campus interview for M.Sc. students-
(a) Galaxy Surfactant Ltd., Mumbai- Three M.Sc. students were selected for final Interview to be held on 19th March 2013.
(b) e-solve online teaching job – 7th March 2013
4. Guest lecture on 2nd March 2013 by Chirag K. Vyas (Ex. Student of Modern College) M.S. and currently Ph.D.candidate at Emerging Nuclear Technology Lab, Sungkyunkwan University, Korea.

Achievements and contribution of the Staff members:

S. R. Pokharkar

- 1) Chairman Library Committee.
- 2) In charge, Students Journals Store.
- 3) Appointed as Chairman by University of Pune for M.Sc. (II) Analytical Chemistry, Theory and Practical Exam.
- 4) Attended Workshop for restructuring of F.Y.B.Sc Chemistry Syllabus 2013, organized by BCUD, University of Pune and Abasaheb Garware College, Pune on 26th Feb. 2013.
- 5) Co-author of 12 text books for F.Y., S.Y., T.Y. B.Sc Chemistry.

Dr. (Mrs.) S. D. Joag

- 1) Advisor- Prize Distribution Committee, Arts Circle.
- 2) Co-ordinator- Study group for use of Innovative Pedagogic methods in Teaching at College.
- 3) Convenor- Workshop on Cooperative Learning Applied to Classroom [8th Feb. 2013].

- 4) Oral presentation- National Workshop of Applied Statistics- An Interdisciplinary Approach, Fergusson College, Pune on 15-16 March 2013.
- 5) Coordinator Workshop on Voice Culture August 2012.
- 6) Resource person- Teachers Training Program, Exploratory Science Centre, Pune, June 2012.
- 7) Resource Person- Introduction of Periodic Table 8th Std. students in Abhinav Vidyalaya by Crossword Puzzle Method, June 2012.

Dr. S. K. Ujalambkar

- 1) Worked as Chairperson, Accommodation Committee for the International Language Conference.
- 2) More than 10 lectures were given in different Schools, to a group of more than 100 teachers- as Expert in Chemistry.
- 3) Organized a Seminar on 'Entrepreneurship Development Program' from 8th Jan. to 12th Jan. 2013.
- 4) Chief Guest for various functions in different Schools.
- 5) Lectures were given on 'Science Day' in different Schools.
- 6) Lectures on Scientists, Freedom Fighters and Social Workers, in different NSS group and Schools.

Mrs. P. B. Suryawanshi

- 1) Coordinator for Chemiad Examination.

R. M. Jagtap

- 1) Organizing Committee member - Workshop on Cooperative Learning.
- 2) Coordinator Chemiad Exam for F.Y.B.Sc 14th January 2013.
- 3) Coordinator – Science Talent Search Exam for UG students, 2nd February 2013.
- 4) Presented Research paper at "Indian Council of Chemist" conference held at

Saurashtra University, Rajkot [26-28 Dec. 2012].

Dr. Kirti Badave

- 1) Award of Ph.D. degree of University of Pune, Pune on 4th January 2013.
Thesis Title: "Antioncogenic Agents from Vitamin K₃ family and their conjugates Targeting Enzymes" under the guidance of Prof. V. D. Kelkar and Prof. S. Y. Rane.
- 2) Organizing Committee member of Workshop on Cooperative Learning Applied to Classroom on 8th February 2013.

S. R. Pokharkar
Head

Computer Science

The need for the hour is excellence in every field of operation, and particularly "Information Technology". Realizing this need, the Computer Science Department, Modern College, Pune-05 is engaged in moulding tomorrow's information and communication technologists today.

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 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. Co-curricular activities sharpen their minds and other skills that help in overall development.

We have a dedicated team of teachers, experts and well equipped laboratories. The young and highly qualified team of faculty members spare no efforts to keep the students well informed and in updating their knowledge. The students are also reciprocating by their high achievements in academic performance.

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.

During the NAAC peer team visit to the department, committee members appreciated setup, computing facilities, resources and activities conducted by the department for the students and community.

Activities conducted during the year:

- Kartikeya Rindani Intercollegiate Programming Contest (16th February' 2013)
- Wordpress Camp (23rd and 24th February' 2013)
- R.M Marathe Programming

Competition (12th and 13th January' 2013)

- Poster Competition (14th Sept'2012)
- Project Competition on the occasion of Science day (i.e. on 28th February' 2013)
- Placement Activity
- Seminars
- Workshop
- Group Discussion
- Mock Interview
- Personality development for PG students
- Single Window – A Centralized Admission Programme
- Conduction of M.Sc (CS) and M.C.A (Science Faculty) Entrance Examination at Mass Level
- Student/Career Counseling
- “Zaroka” - The Desktop..... article column
- **Joint endeavor of Rindani Family and Alumni of Computer Science Dept.**

On 17th Feb'2013, four students from the Department of Computer Science, Modern College of Arts, Science and Commerce; Mr. Sagar Shinde, Ms. Aishwarya Risbud, Ms. Shweta Sathe, Ms. Rashni Dhamale received a scholarship of Rs. 10,000/- each. Since Kartikeya Rindani was an excellent programmer, the College organized “ Kartikeya Rindani Inter collegiate Programming Contest”.

About 67 students participated from various colleges. The event was organized in two rounds out of which first, second and third rank holders received appropriate prizes. The prizes were in the form of Mementos, Books, Pen drives and participation Certificate. The prizes were sponsored by Rindani family and Kartikeya's friends.

Prof. Abhijeet Sathe worked as a co-ordinator for organizing this Event. Mr. Navendra Sigh, Mr. Himanshu Trivedi, Mr. Gautam Kasturi worked as Judges for the rounds in the Competition. The Valedictory function was arranged on the same day of the competition. Dr. Girish Rindani, Mr. Sanjay Katkar, CTO, Quickheal Technologies and Mr. S. Chandrashekhar were the honorary Chief Guests for this function. The guests and Principal were felicitated at the programme. The guests addressed the audience and shared their views and experience with Kartikeya. Mr. Gautam Kasturi, CEO, Spider Logic announced for K.R Internship every year for two students of Modern College.

Prof. S.S. Deshmukh conducted an interview with Mr. Katkar revealing his success story as an Entrepreneur. He was asked to speak on the various milestones achieved in Business, Research and future prospects. Mr. Katkar discussed details of how he started of the Antivirus Company in an office area of 100 sq. feet. The Interaction motivated students to look beyond the scope of achieving a good job and consider Entrepreneurship as a bright career.

❑ **Word Press Camp:** Word Press User Group Pune for the first time in our city hosted **"WordCamp Pune- 2013"**

On 23rd and 24th of February 2013 in our department in association with Rosseller Club Code, Woo Themes, Ayojak and Moozup. Mr. Siddharth delivered a session on "Making responsive logic code and tricks of trade". Ms. Savita Soni talked on Power of WP Query. Mr. Aniket Pant talked on Metaboxes. Mr. Saurabh Shukla conducted a session on Open source Word press plug-ins. Ms. Nisha Singh discussed about 'How to get your theme and Repository'.

❑ **Poster Competition**

Was conducted on 14th Sept'12 on the topics Encryption, Computer Graphics, Ethical Hacking, Operating system, Satellite communication , Big data, Distributed computing, Robotics, Gaming, Image Processing and Artificial Intelligence. The Judges for this event were Mr. Anand Das, CTO, Pubmatic, Mr. Mukul Kotkhindikar, Manager, Pubmatic, Mr. Kunal Urmikar, Team Lead, Pubmatic and Swanand Shinde

❑ **R.M Marathe Programming Contest**

The contest was held on 12 and 13th Jan'2013. The competition was conducted in two rounds. The first round was an objective test. The shortlisted students appeared for online C programming competition. Eighty five students participated for the Objective test and nine students were shortlisted. The prize winner was Mr. Ashish Amre T.Y BSc Computer Sc. Prof. M.S Ghanekar worked as the co-ordinator for this programming contest

❑ **Workshop on Communication Skills**

Conducted for P.G students by Mrs. Vahini R Muniganti, Leadership coach and Life skill trainer, Physcology Practitioner and chief for Evolution Excellence. The duration of the worshop was 30 hours. Points covered were – Resume writing, Time Management, Confidence building, dressing sense, table manners, Corporate Etiquettes, Goal setting, communication Skills, Leadership attitude, behavior management, debate and elocution, body language and postures, presentation skills, Group discussions, GD PI and role play.

❑ **Project Competition on Science Day:** The department conducted a Project competition for its P.G and U.G students on the occasion of Science Day i. e. on 28th February. Around sixty students have

participated and near about thirty five projects were demonstrated in the competition. Exhibition was open for all between 12.00noon and 05.00pm.

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 same. 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.

Details of the Seminars are as follows:

- **One day lecture series** by Mr. Piyush Khairnar(Quick Heal Connect) on Operating system Architecture, C stack operations and Mr. Chetan Jadhav (Pubmatic) on Linux Operating system
- **Quickheal Connect Session** had seminar delivered by Ms. Sherin Charley on C and Assembly, Ms. Mrunal Hampiholi on C/CPP, Mr. Rajesh Nikam on Introduction to computer security, Mr. Anant Pulgam on Reverse Engineering, Ms. Priti More on MS Windows, Ms. Sonia Shinwadkar on Macros & pointers
- Mr. Alesh Patwardhan and Team, ITSquare delivered a seminar on Intel Atom process Architecture design
- Ms. Priti Pubreja, discussed effective communication skills
- Mr. Sagar Dasalkar, Microsoft, Hyderabad talked on Utilities in Windows
- Mr. Hrishikesh Pangarkar, Persistent

Systems Limited delivered a seminar on Win32

- Mr. Amol Abhyankar, KPIT, talked on SAP Business Intelligence
- Mr. Swapnil Pophali, Symphony Services delivered a talk on Android
- Ms. Pallavi Biswas, Sungard conducted a session on Aptitude and Problem solving techniques
- Mr. Jitendra Bhattad delivered a session on C/CPP
- Mr. Harshal Jhende, IBM, talked about DB2
- Mr. Jitendra Tilekar, Pubmatic, delivered a session on JAVA/PHP
- Mr. Pravin Phatangare talked about Solid principles
- Mr. Vaibhav Joshi, PSL, talked on Object Oriented Programming Concepts
- Ms. Bhagyashree Chavan, Pubmatic talked on PHP
- Mr. Saurabh Pataskar, Vertis Infotech delivered a talk on Agile Methodology
- Mr. Vishnudas Kulkarni conducted a Seminar on Interview techniques
- Mr. Sagar Jagtap delivered a talk on Macros and Pointers
- Mr. Parikshit Sarnaik and Mr. Swapnil Mahajan conducted a session on C/ CPP
- Mr. Anil Kuteta and Mr. Ajay Shinde delivered a talk on Advanced Pointers
- Ms. Swati Mandhare and Mr. Amol Shinde conducted a session on Introduction to CPP
- Mr. Umesh Joshi and Mr. Vaibhav Langote talked on Advanced CPP
- Ms. Shraddha Joshi, PSL, delivered a Seminar on Adv. NET concepts

Details of the teachers who have participated in Seminars / Workshops/

other Achievements:

- Prof. Shamkant Deshmukh worked as Chairman for all the Seminars and Workshops conducted by the department and guided the staff members to conduct all the activities/events proficiently
- Prof. Manisha Suryawanshi worked as co-ordinator for the One day lecture series and Poster Competition
- Prof. Manisha Suryawanshi, Prof. Sangeeta Raut and Prof. Madhuri Ghanekar participated in a Workshop on "How to write and Publish Research Papers in Computational Science" held at Abeda Inamdar College
- Prof. Abhijeet Sathe worked as co-ordinator for Kartikeya Rindani programming contest
- Prof. Shilpa Dange delivered a Talk on Image Processing and MATLAB in the Department of Mathematics, University of Pune
- Prof. Kalyani Salla worked as a Resource person at the M.Sc syllabus implementation workshop on Softcomputing sponsored by BCUD, University of Pune
- Prof. Shweta Jawale passed the UGC NET examination.
- Prof. Sheetal Patil passed the SET examination.
- Prof. Sangeeta Raut participated at the International Conference held at Nowrosjee Wadia College
- Prof. Manisha Suryawanshi, Prof. Vaishali Bhoite, Prof. Radha Khedekar attended the Workshop on credit based system for PG at Abasaheb Garware College
- Prof. Kalyani Salla attended a National Level Workshop on Publishing using LATEX
- All staff members of the department

participated in Wordpress Camp arranged on 23rd and 24th Feb 2013

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 by means of lectures, project guidance & 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
- **Mock Interviews** were conducted by past students for the current batch to face
- Active participation in organizing "Kartikeya Rindani Programming Contest"

Pride Alumni of Computer Science Department:

The brilliant students of our department are working at higher position in various fields like Science and Technology, Research, Business, Banking, Industries, Education, Engineering, Medicine and Administrative Services etc. often visit our college and encourage.

Student achievements and awards:

Students took lead in organizing Project Exhibition/Poster Competition and participated in various intercollegiate events. Students secured prizes in the various events as follows –

- Ms. Shraddha Khatri, MCA-I student reached the final round of AVISHKAR under the able guidance of Prof. M.S Ghanekar
- Mr. Manoj Pawar, Mr. Parth Kale, MSc

– I, were shortlisted for the first round of AVISHKAR

- Mr. Rahul Dange, MCA - III won first prize Coffee with JAVA, MIT
- Ms. Pramiti Thakar and Ms. Sonali Sonawane, MCA – I won first prize at MIT in Diagram Meet
- Ms. Poonam Deshpande, MCA – II, won first prize in ‘Dark Night in C’ at MIT and second prize in ‘Diagram Meet’ at MIT
- Mr. Idris Wishiwala, MCA - I won first prize in ‘Mock Placement’ at Modern College of Engineering, Pune - 5
- Ms. Sonal Menkar and Ms. Sonali Sonawane, MCA -I won Runner – up prize Art Integration at Poona College, Azam Campus
- Ms. Sonali Agarwal, Ms. Nihara Kulkarni and Mr. Shashikant Bagal, MCA - I won first prize in Dum Sherades at Poona College
- Mr. Laukik Nahar, MCA-I won first prize at ‘C War’ at Azam Campus
- Ms. Nihara Kulkarni, Mr. Idris Vishiwala, Ms. Sonal Menkar and Ms. Sonali Agarwal, MCA-I won first prize in treasure hunt and also in Dumbsherad at MIT College
- Mr. Prathamesh Londhe, Ms. Subodh Parkhi, Mr. Yuvraj Londhe, T.Y.B.Sc won first prize in the Project Competition held at Abasheb Garware College
- Ms. Priyanka Shirgire, M.Sc. – I won first prize in Java programming competition at Ganeshkhind
- M.Sc.(CS) – I received the first prize and MCA - I, II received the second prize in Annual Social and Cultural program of our college
- Mr. Ashish Thete, MSc – I, won second prize for IT Quiz competition, Sinhagad Institute, Vadgoan, BK
- Mr. Sagar Shinde, MCA- I student won the following prizes during the academic year 2012-13

Sr No.	College/Institute	Competition Name	Rank
1	Modern College of Arts, Science and Commerce, Pune 5	Kartikaya Rindani Programming Contest	1 st
2	Modern College of Arts, Science and Commerce	R. M. Marathe C programming Contest	1 st
3	RamKrishna More Vidyalaya	King of the ‘C’ Language	1 st
4	Brihan Maharashtra College of Commerce	Star of the ‘C’	1 st
5	Walia Institute	Binary Quiz & Aptitude Test	1 st
6	Maharashtra Academy of Engineering	C Relay Race	1 st
7	All India Shri Shivaji Memorial Society’s Institute	Code Chef in ‘C’	1 st
8	All India Shri Shivaji Memorial Society’s Institute	Debug N Win	1 st
9	All India Shri Shivaji Memorial Society’s Institute	Squizz	1 st

10	Vishwakarma Institute of Information Technology	Let us 'C'	1 st
11	Vishwakarma Institute of Information Technology	'C' Storm	1 st
12	Poona College of Arts, Science & Commerce	Quiz	2 nd
13	Indira College of Commerce & Science	Code Chef in 'C'	2 nd
14	Rashtriya Swayamsevak Sangh	20-20 Programming	2 nd
15	MIT College, Alandi	Black Out Coding	2 nd
16	Symbiosis College	Online Java Competition	2 nd
17	Abasaheb Garware College	Quizz	2 nd
18	H. V. College	Quiz Competition	3 rd
19	All India Shri Shivaji Memorial Society's Institute	Jiffy Java	3 rd

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 94% 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.

Other relevant information:

- Staff members had taken active participation in the admission process of F.Y.B.Sc. (Computer Science), MCA & M.Sc.(Computer Science) courses.
- A committee was constituted for conducting M.Sc. (Computer Science) and MCA entrance Examination 2012. 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 Committee) provided necessary guidance & administrative support in organizing the entrance examinations smoothly.
- Two System Administrators are appointed on contract basis from Orbit Services for the maintenance of the computer laboratories of the college.

Prof. Deshmukh Shamkant
Vice Principal and Head

WE THE STAFF



Office Bearers



Administrative Staff

WE THE STAFF



Arts Faculty
Teaching and Non-teaching staff - Senior and PG



Science Faculty
Teaching and Non-teaching staff - Senior and PG

WE THE STAFF



Science Faculty
Teaching and Non-teaching staff - Senior and PG



Science Faculty
Teaching and Non-teaching staff - Senior and PG

WE THE STAFF



Science Faculty
Teaching staff - Senior and PG



Commerce Faculty
Teaching and Non-teaching staff - Senior and PG

WE THE STAFF



Junior College



Junior College

WE THE STAFF



Library and Gymkhana

Students' Representatives



- Shilpa Raju (UR)
- Rohit Ingavale (ICSR)
- Shubhangi Patil (ICSR)

NCC



Guard salami to Chief Guest
Lt. Col. V. C. Sharma,
Commanding Officer,
36 MAH BN NCC, Pune.



'Tree Plantation' activity at
Modern College of Agriculture
Biotechnology, Kule, Paud.



Pulse –Polio Drive



Anit-Drug Rally



NSS ~ Senior College



Rice Plantation with the Farmers at Vinzar.



Shramadaan during Special Camp at Kule, Taluka Mulshi.



Shramadaan during Special Camp at Kule, Taluka Mulshi.

Talk by NSS volunteers at Kule, Taluka Mulshi, for school children.



Electronic Science

Department of Electronic Science of the college was actively engaged in various academic, curricular and extracurricular activities throughout the year. The student strength of the department was about 588 during academic year 2012-13, 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. With the various grants received like FIST, CPE and BSR infrastructure of department laboratories was upgraded. Instrumentation was upgraded and latest instruments like digital oscilloscope, digital LCR meter, well equipped computer laboratory, Digital Classroom were installed. With collaboration of IIT, Powai virtual laboratory was set up in the department. One of our well-wishers Shri. V.Y. Kelkar, donated precise digital APLAB LCR Q-Meter to our research Laboratory. Post graduate students and staff members are developing various platforms for Microcontrollers, which is professional work and also concerned with virtual laboratory experimentation guided by Mrs. Madhumati Date, IIT, Powai. Post Graduate section of Department of Electronic Science is enriched with all types of platforms needed to develop embedded system.

[A] Activities conducted during the year

1. Practical Handbook prepared for F.Y./S.Y. B.Sc. Computer Science and Electronic Science students through CPE grants.
2. Laboratory Manuals for M.Sc. Electronic Science were prepared for the practical courses: Analog Electronics, PSPICE and Embedded system by the staff members.
3. More than 300 e-books of subject electronics made available to students. Also more than 110 e-magazines made available in the form of pdf files to the staff and students.
4. Remedial coaching for F.Y.B.Sc. students was conducted in the month of November 2012 and March 2013. Special revision lectures for F.Y.B.Sc students were organized in which Prof. S.R. Chaudhari, Prof. D.B. Gaikwad and Prof. T.B. Sonawane contributed to explore the syllabus and nature of examination pattern in detail.
5. Electronics Excellence Examination (EEE) organized by Society for Promotion of Excellence in Electronic Discipline (SPEED) was conducted on 15th December 2012. Ten students appeared for the examination and all qualified in it.
6. Students Alumni get together was organized with the project competition day on 27th February 2013.

[B] Workshops / Event / Competition Organized:

1. Project competition for M.Sc. Students

Project competition 'Imagine' was organized on 27th February 2013 with collaboration of Society for Promotion of Excellence in Electronics Discipline (SPEED) and Post Graduate Association Modern College, Shivajinagar, Pune-5. All students of the M.Sc. Electronic Science participated in it. This competition was inaugurated by Principal Dr. R.S. Zunjarrao and the prize distribution ceremony was conducted at the hands of Chief guest Prof. J.V. Khedakar, Head, Dept. of Electronic Science, Fergusson College. Total 44 Projects were exhibited in Imagine 2013 project competition.

The winners were as below:

Poster presentation and competition

Sr. No.	Name of the students	Class	Name of the project
1	Gaikwad Priyanka R and Patil Snehal S	S.Y.B.Sc	Types of RAM
2	More Sanket S	T.Y.B.Sc	Water Level Controller
3	Daphane Mayuresh P	M.Sc-1	FM Transmitter
4	Langhi Shashank	M.Sc -2	RTC using PIC

Best innovative projects in Imagine 2013.

Sr. No.	Name of the students	Class	Name of the project
1	Sargar Kapil	M.Sc -2	Emergency Vehicle detection on traffic light

Prizes from M.Sc. Electronic Science in Imagine 2013

Sr. No.	Name of the students	Class	Name of the project
1	Deshmukh Amar M	1 st prize	GPS Based Bicycle Track System
2	Upadhyay Bhavin C	2 nd prize	Discriminator
3	Patil Asmita B	3 rd prize	Automatic Water Irrigation Pump Control System

2. S.Y./T.Y. B.Sc. Project Competition and Poster presentation.

Project competition and poster presentation for S.Y. and T.Y. students was organised on 27th February 2013. Students of Vocational course Computer Hardware and Network presented interesting posters / demonstrations in this competition.

[C] Educational Trips

For better exposure to industry & institute, every year department organizes educational trips /tours. This year department successfully organized One/two day's trips at different places. These are listed as below:

Place	Staff Members	Students	No. of Days
KISAN Exhibition at Moshi	Prof. B.B. Yenage Prof. R.V. Vidap	16 UG students	December 2012
DIPEX, COEP ground Pune.	Prof. G.M. Tarate Prof. Umesh Kothavade Prof. K.K.Hole	40 PG Students	March 2013
Wai Industrial Area and Pratapgad	Prof. T.B. Sonawane Prof. T.R. Kumbhar	T.Y.B.Sc.	December 2012

[D] Research Paper Published by Staff Members:

Prof. T.B. Sonawane published a paper in June 2012 and Prof. T.R. Kumbhar published a paper in January 2013 in the *International Journal of Computer Applications*.

[E] Workshop, National, Seminar Participation by the staff members

1. Prof. P.S. Varade and Prof. A.V. Kamble actively participated in one day workshop on 'F.Y.B.Sc. (Comp. Sc.) Electronic Syllabus reframing, organized by Fergusson College on 1st December 2012.
2. Prof. P.S. Varade actively participated in one day workshop on Co-Operative learning, organized by Modern College, Pune-5.
3. Prof. S.R. Chaudhari, Prof. B. B.Yenage, T.R. Kumbhar, R.V. Vidap, actively participated in one day workshop on 'F.Y.B.Sc. /F.Y.B. Sc (Comp. Sc.) Electronic Syllabus reframing, organized by Abasaheb Garware College on 4th March 2013.
4. Prof. S.R. Chaudhari, Prof. B. B.Yenage, Prof. D. B. Gaikwad, Prof. G. M. Tarte, U.N. Kothavade and K.K. Hole actively participated in one day workshop on 'preparation and implementation of M.Sc. Electronic Science Syllabus as per Choice based credit system, organized by Fergusson College on- 26th Feb. 2013.
5. Prof. S.R. Chaudhari, Prof. G. M. Tarte actively participated in state level one day workshop on 'choice based credit system, organized by C.T. Bora college, Shirur on 16th Jan. 2013.
6. Prof. S.R. Chaudhari, Prof. G. M. Tarte actively participated in one day workshop on 'Preparation and implementation of P.G. courses in colleges affiliated to University of Pune, organized by Garware College on 13th Feb. 2013.
7. Prof. U.N Kothavade participated in One week ISTE approved National workshop on "Embedded System Design using PIC microcontroller" at Pune Institute of Computer Technology, Pune from 18th to 22nd June 2012.
8. Prof. U.N Kothavade was resource person for the training programme on "Reconfigurable Digital System" at Pune Institute of Computer Technology, Pune from 6th to 7th October 2012.

[F] Guest lecturers –

Sr. No.	Name of Expert	Industry/Institute	Topic
1	Bhasker Safar	BSNL Pune	GSM
2	Dr. A.D. Shaligram	HOD, Electronic Science. Dept University of Pune	Fun in learning Electronics
3	Dr. Satish Sharma	Head, Department of Electronic Science, Nagpur University, Nagpur on 6 th September 2012	PC based instrumentation
4	Dr. Umesh Hivarkar	IGATE, Pune	Digital Signal Processing
5	Mr. Mangesh Dayaphule	Project Staff, CMET, Pashan Road, Pune	Computer Networking

[G] Project Collaboration with industry and institutes:

Name of Student

Name of Project and Institute

Mr. Yogesh Nakate

e-Prayog virtual Lab (Electronics), IIT Bombay.

Gaurav Mohol

Department of Electronics, University of Pune and
GMRT, Khodad.**[H] Activities & Support from Alumni.**

Our Undergraduate and Post graduate past students visit the department at various occasions . Particularly students from Vocational course contribute in practical training to students and Post graduate students guide the students regarding placements and technology revolutions in various fields of electronics.

Judges for the competition (Department Alumni) for Imagine 2013.

Sr. No.	Name of the students	Company	Designation
1	Mr. Mangesh Dhayaphule	CMET	Project Staff 1
2	Mr. Dinesh Sapkal Engineer	Theeta control	Embedded design
3	Mr. Swapnil Shintre	Mypin	Embedded Systems Design Engineers
4	Mr. Rinkal Ahire	Specific Mecatronics	R&D Engineer Hardware Lab
5	Mr. Akshay Gadariya	C.T.Bora College, Shirur	Lecturer
6	Miss Kunti Magar	CMET	Project Staff 2
7	Mr. Sunil Pachore	CDAC (Mumbai)	Student

[I] Achievements by students

Following students participated in Avishkar Project Competition organized by University of Pune, in Fergusson College, Pune-4, on 10th December 2012.

Sr. No.	Name of the students	Class	Name of the project
1	Miss. Patil Asmita B Miss. Agbote Shubhangi V	M.Sc. Electronic Sc.	Automatic Water Irrigation Pump Control System
2	Mr. Sargar Kapil	M.Sc. Electronic Sc. Mr. Shashank Langi	Emergency Vehicles detection on traffic light

Following students participated at National level technical festival INTECHXICATION 2013, at MIT Pune on 22nd and 23rd February 2013.

Sr.No.	Name of the students	Prizes	Participation 1
1	Mr. Yogesh Nakate Upadhyay Bhavin C	2 nd prize	Assembly Language Programming

Following students participated at National level technical festival INTECHXICATION 2013, Robot competition (Line follower robot) event at MIT, Pune, on 22nd, 23rd February 2013.

Sr.No. Name of the students

1	Langhi Shashank	
2	Rupesh khatpe	Selected for Final round out of 12 teams.
3	Upadhyay Bhavin C	
4	Gaurav Mohol	

[J] Achievements by staff members

1. Prof. S.R. Chaudhari appointed as Coordinator of Star College Scheme, awarded to our college by DBT, Govt. of India.
2. P.S.Varade appointed as Area Coordinator for NSS Shivajinagar area and Program Officer Post graduate unit University of Pune.
3. A.V.Kamble topped in PET-Electronics 2012, of Solapur University, registered for Ph.D.
4. A.V.Kamble promoted to Lieutenant rank on 18th October 2012
5. B.B.Yenage - Outstanding performance award from NCC GP HQ, Pune on 24 Nov. 2012
6. B.B.Yenage promoted to Captain rank on 18th October 2012
7. Prof. M.R. Bodke registered for his Ph.D. degree in Electronic Science.

[K] Participation in different Activities as Resource person, organizing member, Examiner

P.S.Varade

1. Worked as Organizing member for International conference organized by Department of Languages and for National conference organized by Department of Statistics.
2. Participated the activity entitled 'Ek divas shetisati shetkayrachya hitasathi' organized by VANRAI (Mohan Dahariya).
3. Worked as panel member for the selection of Assistant professor at H.V. Desai College.
4. Worked as an Examiner for Ganesh Mandals during Ganesh Festival.
5. Worked as a panel member for SRD/NRD pre selection camp organized by NSS Unit, Pune University.

D.B. Gaikwad worked as a resource person in 2 day training programme on Reconfigurable Digital Systems on 6-7 Oct. 2012 at PICT College of Engineering Pune.

G.M Tarte worked as coordinator for Imagine 2013 poster & Project presentation and competition organized by SPEED in collaboration with PG Association Modern College Pune-5.

Prof. S.R. Chaudhari worked as Organizing member in National and International workshops organized by our college.

During this academic year Shri. V.C. Bhide (our non-teaching staff member) retired on 31st January 2013 by completing 33 years of service at our department. Ms. Isha Pingale and Ms. Minal Phalke worked as teacher at B.Sc. Computer Science wing and Mr. Mangesh Dayaphule worked as visiting lecturer for Vocational course. Dr. Umesh Hiverkar is research guide at our research centre and conducts lectures for Post Graduate course.

S.R. Chaudhari

Vice Principal and Head

Department of Mathematics

The Department of Mathematics has always tried to impart quality education at Junior and Senior level. In the academic year 2012-13, 550 students enrolled for XI Science and 240 students enrolled for XI Commerce. The strength of XII Science and XII commerce were 450 and 200 respectively. The strength of F.Y.B.Sc, S.Y.B.Sc. and T.Y.B.Sc. were near about 130, 75 and 70 respectively.

Senior Wing : The results of F.Y.B.Sc. and S.Y.B.Sc. were near about 50 % and 80 % respectively. Out of 70 students in T.Y.B.Sc. (Principal), 85 % students passed. The average result of each paper was near about 85 %. The result of one paper viz. Optimization techniques was 100 %.

Junior Wing : In the academic year 2012-13, Akhilesh Gandhi XII Science, was selected for INMO 2013 from Maharashtra and Goa region.

Activities of Staff Members :

All the staff members participated in a National Conference organised by Department of Mathematics, University of Pune, held in April 2013.

Dr. N. H. Mahajan :

- (a) Worked as a judge for TECHNOLOGICA - 2013 event organized by St. Meera College for Girls, Pune in January 2013.
- (b) Participated in "National workshop on Fractional Calculus" in November 2012.

Prof. Ashok Nivrutti Bhavale :

- (a) Completed a **Minor Research Project** on "*Enumeration of certain classes of lattices and related aspects*" sponsored by **Board of College and University Development (BCUD)**, University of Pune. The amount of the

funding was Rs. 1,00,000 /- and the duration was of 3 years.

- (b) Presented the paper entitled "Counting of lattices with three reducible elements" in the **National Conference on Discrete Mathematics** held at Department of Mathematics, University of Pune, from 22nd to 24th December, 2012.
- (c) Presented the paper entitled "On dimension of posets" in the **National Conference on Recent Developments in Mathematics and Statistics** sponsored by **UGC and University of Pune** and co-sponsored by **Marathwada Mathematical Society**, Aurangabad and held at T. C. College, Baramati, Pune during 14th to 16th February, 2013.
- (d) Presented the paper entitled "Enumeration of basic blocks in which reducible elements are comparable" in the **National Conference on Discrete Mathematics, Algebra and Analysis** held at Department of Mathematics, University of Pune, from 21st to 24th April, 2013.

Prof. Pratul V. Gadagkar :

- (a) Participated in National workshop on "Fractional Calculus" in November 2012.
- (b) Participated in State Level workshop on "Mathematical Software" organized by Abeda Inamdar Sr. College in association with University of Pune in November 2012.
- (c) Worked as a Judge for Pi-Quiz Competition held in Indira College of Commerce and Science in August 2012.
- (d) Delivered lectures on preparation for NET-SET examinations in (i) Shivaji University, Kolhapur on Complex Analysis and Linear Algebra in August

2012 and February 2013 (ii) SRMT University, Nanded on Complex Analysis in January 2013 (iii) University of Pune on Complex Analysis in May 2012 (iv) Abeda Inamdar College, Pune on Real Analysis in May 2012 (v) Panchavati College, Nashik in April 2013.

Prof. D. S. Mane
Head

Department of Microbiology

Departmental activities:

- MOU has been signed between Department of Microbiology and Ayurved Rasashala.
- **“Alumina Meet” for PG students** was organized on 2nd February 2013. This meet was co-ordinated by Ms. Shradha Bashetti.
- **Quality Enhancement Work-shop** for Microbiology was organized on 15th February 2013 for the staff members of our department of our college and for the staff members of department of Microbiology, Modern College, Ganeshkhind, Pune -53.
- A Model and poster competition named **“Microcosm”** for UG as well as PG students was organized by the department on 7th February 2013.
- Lecture series on **“Nanotechnology in Microbiology”** was organized by the department for UG as well as PG students on 12th February 2013.
- **Quiz competition** was organized by the department specially, for PG students on 1^{8th} February 2013.
- A **Social Activity** was also conducted by our department with M.Sc. Part II students. All teaching staff members of the department and students visited **“Survesha Seva Sangh”** at Wadgoan Budruk. Students and staff members

interacted with all children and taught those children different crafts and drawings, played different games and also prepared delicious food for them. Staff and students also donated clothes, grocery and stationery.

Activities of Teachers

1) Dr. Shilpa Mujumdar :

- A Minor Research Project of Rs. 2,00,000 was Sanctioned by UGC.
- A National level project in collaboration with NCCS was started in September 2012.
- Completed refresher course with 'A' grade in Life Sciences held at Department of Botany, University of Pune from 3rd October to 24th October 2012.
- Worked as Chairman for Alumina Meet, Quality Enhancement Workshop, Microcosm, "Nanotechnology in Microbiology", Quiz competition and Social Activity
- Presented two papers in National conference held on 15th and 16th March 2013 organized by College of Engineering Pune.

2) Mr. Vivek Bobade :

- Worked as member of Accommodation and Traveling committee, International conference on Employability Enhancement through Proficiency in Indian and Foreign Languages held on 28th to 30th January 2013.
- Worked as a coordinator of the Interdepartmental 'Microcosm' Model and Poster Presentation Competition 2013, held on 7th February 2013, at Department of Microbiology, MCASC, and Pune 5.
- Worked as a member of the Departmental 'Microbiology Quiz Competition 2013', 'Quality Enhancement Workshop', 'Lecture

Series on Nanotechnology in Microbiology' and Social activity.

- Organized a visit of M.Sc.-II students to National Toxicology Centre, Pune in December 2012.

3) Ms. Sheetal Pardeshi :

- A Minor Research Project of Rs. 2,00,000 was Sanctioned by UGC.
- Presented two papers in National conference held on 15th and 16th March 2013 organized by College of Engineering, Pune.
- Worked as a coordinator of 'Quality Enhancement Workshop', held on 15th February 2013, at Department of Microbiology, MCASC, and Pune 5.
- Worked as member of Hospitality and certificate committee for International conference on Employability Enhancement through Proficiency in Indian and Foreign Languages held on 28th to 30th January 2013.

4) Mrs. Anushka Devale :

- Worked as a coordinator of 'Quiz competition in Microbiology', held on 18th February 2013, at Department of Microbiology, MCASC, and Pune 5.

5) Mrs Rupali Naik- Sawant:

- Worked as a coordinator of 'Lecture Series on Nanotechnology in Microbiology', held on 12th February 2013, at Department of Microbiology, MCASC, and Pune 5.
- Arranged visit of T.Y. BSc Microbiology students to blood bank of K.E.M hospital.

6) Mrs. Madhuri Amrutkar-Kothawade

- Worked as a coordinator of 'Social Activity', held on 23rd February 2013, at Sarvesha seva sangh, Vadgoan(bk), Pune-411 041.
- Worked as a member of the Organizing Committee of Alumina Meet, Quality

Enhancement Workshop, Microcosm, Quiz competition and Lecture series in Nanotechnology.

7) Miss. Nikita Vasudeo Bonde

- Worked as a member of the Organizing Committee of Alumina Meet, Microcosm, Quiz competition and Lecture series in Nanotechnology.

Ms. Sheetal Pardeshi, Mrs. Anushka Devale and Mrs. Rupali Naik-Sawant Worked as a member of the Organizing Committee of Alumina Meet, Quality Enhancement Workshop, Microcosm, Quiz competition and Social Activity.

Dr. Shilpa Mujumdar, Mr. Vivek Bobade and Ms. Sheetal Pardeshi attended a one day workshop on "Implementation of Credit System in Affiliated Colleges" held on 16th January 2013 at C.T. Bora College, Shirur.

Mr. Vivek Bobade and Mrs Rupali Naik-Sawant attended a one day workshop on 'Detailing of Restructured F.Y. BSc Microbiology Syllabus' held on 4th February 2013 organized by H. V. Desai College, Pune.

Mrs Rupali Naik- Sawant and Mrs. Madhuri Amrutkar- Kothawade attended a one day workshop on 'Implementation of Credit System for PG Courses in Colleges Affiliated to University of Pune' held on 13th February 2013 organized by Abasaheb Garware College, Pune-04.

Activities of Students :

- Students of M.Sc. Microbiology (Part II) participated and presented a poster at Conference on Pharmaceuticals organized by MITCON.
- Students of M.Sc. Microbiology (Part II) participated and delivered oral presentations at National Conference organized by College of Engineering, Pune.
- Ms. Gauri Narawadkar of M.Sc. Microbiology (Part II) received

Bhagavantrao Huddedar award at Annual prize distribution, 2013, for securing first position at M.Sc. Microbiology (Part I)

- Ms. Tanushree Bhandari of T.Y.B.Sc. Microbiology received at Annual prize distribution, 2013, for securing first position at S.Y.B.Sc. Microbiology.
- Students of S.Y. B.Sc. Microbiology Sayali Kirtiwar , Surabhi Rode and Bhagyashree Mulye won first prize at State level Microbiological contest, 2013, organized by R.C.Patel College, Shirpur.
- Students of T.Y.B.Sc. Microbiology, Bhushan Dhamale, Apurva Muley and Pallave Limaye won third prize at State level Microbiological contest, 2013, organized by R.C.Patel College, Shirpur.
- T.Y.B.Sc. students visited K.E.M Hospital and National Aids Research Institute under partial fulfillment of their syllabus
- M.Sc. Microbiology (Part II) students visited National Toxicology center.
- Ms. Surabhi Rode and Ms. Rupali Wankhede are selected for Summer training at BHU Varanasi and NIPGR, New Delhi.
- Mr. Sumit Shelar, Mr. Eshatesham Ansari, Mr. Sourabh Lokhande and Palana Chouhan are doing National project with NCCS.

Dr. Shilpa Mujumdar
Head

Department of Physics

The working of the department was very smooth. All 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. – 211

S. Y. B. Sc. – 106

T. Y. B. Sc. – 19

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. students visited **IT Expo**, an exhibition at Engineering College Ground, Pune. These students also visited Karde village for Star Gazing Programme. **Prof. S. R. Wagh and Prof A.V.Deshpande** took efforts in organizing this activity.
 - b) F. Y. B.Sc. and S. Y. B. Sc students visited **KISAN-2013** and **MahaTech**(an exhibition of Automation in Industrial products). **Prof. S. R. Wagh, Prof. V. T. Shelke and Prof. S. S. Thengadi** took efforts in organization and smooth functioning of these study visits.
2. **Add on Course:** Add on Course on 'Industrial Electronic Components Familiarization and Testing' was introduced for undergraduate students. **Shri M. L. Soman, Retired Head, Training Division, TATA MOTORS, Pune** successfully conducted the course. **Prof. S. S. Thengadi** worked as a Coordinator for this course.
3. **Guest Lecture** : A guest lecture of **Shri M. L. Soman** (Ex Head, Training Division TATA Motors) was arranged on 24 August 2012 for S.Y.BSc. students. The topic was 'Applications of Digital Electronics in Industries.'
4. **Poster competition:** A poster competition and exhibition was

conducted for the F. Y. B. Sc. Class on 11 February 2013. The Poster exhibition was inaugurated by Prof. S. D. Dhole, Department of Physics, University of Pune. Prof. R. S. Zunjarrao, Principal chaired the function. Prof. V. T. Shelke and Prof. Kumbhar evaluated the posters. The prizes were distributed on the same day at the hands of Prof. S. R. Chaudhari, Vice-Principal of the college. **Prof. Nileshkumar Pardeshi** took efforts in organization of Poster Competition.

5. Power-Point Presentation competition: A competition for S.Y.B.Sc. class was organized for the presentation of slides prepared using presentation software. The slides were based on the topics of their studies in the Physics subjects. Almost all the students participated in the event. Presentations on **eleven** topics were made by the students. Prof. Miss Roslin Gaware helped many students for collecting the relevant information of the topics. **Dr. S. S. Patil, Dr. V. S. Waman and Prof. Nileshkumar Pardeshi** judged the presentations.

6. 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 12th January 2013. Dr. R. S. Zunjarrao, Principal inaugurated the exhibition. Prof. B. B. Yenage and Prof. V. T. Shelke examined the projects.

7. Achievements of Students :

Results of the Department: For the academic year 2011-12

Class	Percentage (%)
F. Y. B. Sc	69
S. Y. B. Sc.	88
T. Y. B. Sc.	66

- i. 4 students were selected for **Ignited Innovators of India (I2I) Ambassador program**, and 13 projects from our college were selected. **Shriram Ramane, Ashwini Bambal, Nutan Shukla and Salim Shaikh** (S. Y. B. SC. 'A') were selected as ambassadors for Modern college, Pune 411 005.
- ii. **Shriram Ramane and Neha Ghodake** from S.Y.B.Sc. 'A' attended 'Frontiers In Physics – VI', a National seminar on astronomy and astrophysics, on 4th and 5th January 2013, in Fergusson College.
- iii. **Shriram Ramane** S.Y.B.Sc. 'A' attended a workshop on "How to enjoy Physics" organized by University of Pune, in S. P. College on 16th January 2013.
- iv. **Shriram Ramane, Neha Ghodake, Bhagyashri Sakunde** from S.Y.B.Sc. 'A' and **Dhanashree Sant, Kiran Joshi** (T.Y.B.Sc.) represented Pune University in an International Conference on "Green Growth and Sustainable Development" (YUVA Meet - 2013) at Chanakyapuri, New Delhi, on 28th and 29th January 2013 organized by **Teri University and Sports and Youth affairs Ministry, Govt. of India.**
- v. **Shriram Ramane, Vaishali Makadi and Neha Ghodake** attended State Level seminar on **Youth Unite For Voluntary Action (YUVA)**, at Fergusson College on 20th and 21st February 2013.
- vi. **Shriram Ramane, Ganesh JanJid And Suraj Labade** Attended Science day Program at Indian Institute of Science Education and Research, (IISER), Pashan, Pune on 28th February 2013.

8. Contribution by the teachers:

Prof. S. S. Thengadi actively participated in preparing the proposals for CPE, FIST and STAR College for the UGC, DST and DBT respectively.

He helped the college administration in preparation of proposals for various schemes/funding agencies and following up the agencies. Also he was a member of organizing committee for International, National and State level Conferences.

Prof. V. T. Shelke participated in a One - day workshop for F. Y. B. Sc. Syllabus

framing at Prof. Ramkrishna More College, Akurdi, Pune on 12th February 2013.

The Research paper entitled "Enhanced Field emission from chemically synthesized Cadmium sulphide-Polyaniline (CdS-PANI) nanotube composite" of **Dr. Sandeep S. Patil** has been accepted for presentation as well as nominated for the best paper award in the **14th International Conference on Vacuum Electronics-2013** which is to be held in Paris, France.

Prof. A. V. Deshpande
Head

Statistics

Department of Statistics organized the following academic activities during the year 2012-13.

As a part of celebration of International Statistics Year a calendar for 2013 including eminent statisticians' contribution was prepared.

1. Academic Activities and Achievements of Students:

Department of Statistics, Modern college, Pune -05. and Pune University Statistics Association (PUSA) jointly organized the following activities.

A) Quiz :

F.Y. B.Sc., F.Y. B.Sc. (Computer Science) and S. Y. B.Sc.

Quiz Round I was organized on 19th January 2013. Second round of S.Y. B.Sc. Quiz was conducted on 24th February 2013 at New Arts, Commerce and Science College Ahmednagar.

Result of the Quiz was as follows:

Class	Names of the Students	Result
F.Y. B.Sc.	Ms. Priyanka Kulkarni	Acquired I st rank
F.Y.B. Sc.(Comp. Science)	1.Ms. Shraddha Gaikwad 2.Mr.Manish Wagh	Acquired Ist Rank Acquired IInd Rank
S.Y. B.Sc.	1. Ms. Farad Bhakti 2. Ms. Sawant Vidya 3. Ms. Tilekar Vasundhara	Selected for the second round.

B) Project Competition :One project of T.Y. B.Sc. students was submitted in the first round of project competition organized by PUSA at S.P. College Pune 30. The project entitled "Statistical Survey of rape cases " done by Ms. Sana Shaikh, Ms. Anuradha Bhandare, Ms. Sujata Temgire and Ms. Uzma Kazi. was selected for final round conducted on 11th March 2013 at S.P.College Pune 30. Prof. Asmita Kamble guided the project.

C) Internship and Training :

1. Mr. Anup Pillai, Mr. Prashant Kulkarni Ms. Varsha Dhore, Ms. Meghana Sane and Mr. Yogesh Brahme of M.Sc. II worked in the project by SEARCH foundation at

Gadchiroli on 4th June to 26th June 2012.

2. Mr. Prashant Kulkarni and Anup Pillai of M.Sc. II were selected for 5 days training program at National Academy of Statistical Administration (NASA), Dehli on 19th to 25th January 2013.
3. Miss Mukta Thorat of M.Sc. II completed summer training at NIBM, Kondhava, Pune.
4. Ms. Sayalee Diwane and Ms. Shweta Singh of M.Sc. II were selected by Government of India for two months training program at National Sample Survey organization (NSSO) Akurdi, Pune.
5. Ms. Sana Shaikh, Ms. Uzma Kazi (T.Y. B.Sc.) presented an exhibit on Application of Hyper geometric Distribution (Dart Experiment) in the Science Association at College, on 11th September 2012.
6. Ms. Sujata Temgire and Anuradha Bhandare (T.Y. B.Sc.) presented an exhibit on Application of Hyper geometric Distribution (Capture, Recapture method.) in the Science Association at College, on 11th September 2012.
7. Mr. Ranjitsinh Patil, Mr. Ganesh Landge and Mr. Mahesh Shinde (T.Y. B.Sc.) presented an exhibit on Application of Assignment Problem in the Science Association at College on 11th September 2012.
8. Ms. Anjali Kulkarni and Ms. Vaishali Jejurkar M.Sc. II) participated in project competition organized by Science Association at college and won 1st prize on 22nd February 2013.
9. Mr. Yogesh Brahme and Mr. Samadhan Ghubade (M.Sc. II) participated and won 3rd prize at the project competition organized by Science Association at college on 22nd February 2013.

2. Guest Lectures Organized:

S. No.	Date	Name of the Guest	Topic
1	27/07/2012	Dr. J. V. Deshpande	Lecture on Dr. P. V. Sukhatme's Contribution to Statistics
2	22/08/2012	Mr. Akshay Dixit, Sonal Dhand, Alpana Dwivedi, Rajaraman (Ultramax Infonet)	A statistical software SAS
3	23/08/2012	Dr. M. B. Kulkarni	Lecture on Astrology and Statistics
4	07/09/2012	Dr. M. N. Deshpande	Statistics and Fun
5	12/10/2012	Dr. Mohan Kale	Applications of Markov Chain
6	28/12/2012	Mrs. Sahinta Yeolekar	Clinical Trials
7	11/02/2013	Dr. Waman H. J.	Career Opportunities in Statistics
8	16/03/2013	Dr. Ashok Shanbhague	Uniformly Minimum Variance Unbiased Estimators (UMVUE)

3. Workshops Organized

- a) 2012-13 : January 2013 – Department organized a workshop on Careers in Statistics as a part of celebration of International Statistics Year. It was funded by Board of Students' Welfare, University of Pune.
- b) Syllabi revision workshop for M.Sc./ M.A. statistics organized on 1st, 2nd March 2013.

4. Workshops, Seminars , Other responsibilities :

A) Prof. P. G. Dixit

*** As resource person-**

He delivered lectures at the following workshops and conferences

- i) On Industrial Statistics at National Sample Survey Organization (NSSO), Akurdi, Pune. on 29th June on the occasion of Statistics day.
- ii) At state level workshop at Institute of Science Nagpur on 24th and 25th August 2012.
- iii) On optimization techniques at T. C. College, Baramati on 3rd October 2013.
- iv) On CPM, PERT at PVP College, Pravaranagar on 6th October 2013.
- v) On numerical integration using simulation at National Conference at Bhartai Vidyapeeth, Pune on 18th December 2012.
- vi) On biostatistics at National Seminar on Research guidance for young researchers, New Arts, Science and Commerce College, Parner on 21st January 2013.
- vii) Sangameshwar College Solapur at National Conference, on 4th and 5th January 2013.
- viii) On "Analysis of multiple answers using preferences in questionnaire" at "Statistics in Action" international workshop arranged at Yashvantrao Chavan Open University, Nashik on 7th to 10th March 2013.
- ix) On efficiency of control charts at New Arts, Commerce and Science College, Ahmednagar.

*** Participation-**

- i) Attended workshop on SAS organized by Ultramax Info net Education, Aundh Pune on 28th July 2012.
- ii) Attended workshop on choice credit based System at C. T. Bora College Shirur on 15th January 2013
- iii) Attended the workshop at T.C. College, Baramati on 14th, 15th and 16th February 2013 as a member organizing committee.
- iv) Attended International conference on 'Employability enhancement through proficiency in Indian and foreign languages' from 28th to 30th January 2013 at Modern College, Pune as an organizing committee member.

*** Responsibilities-**

- v) Was evaluator at S. Y. B. Sc. Quiz Round II on 24th February 2013.
- vi) Worked as, Chairman of Gymkhana Committee.
- vii) Worked as, Member of Unfair means committee.

B) Dr. A. A. Dharmadhikari

- i) Participated in a one day workshop on SAS Analysis conducted by Ultramax Info net Education, Aundh, Pune on 28th July 2012.
- ii) Worked as invited Resource person at the workshop on Syllabus Revision of Statistics and Computer Applications of F.Y. B. Com. at Prof. Ramkrishna More Arts, Science and Commerce College Akurdi, Pune on 12th February 2013.
- iii) Worked as member of Library Committee and Committee for Induction of First Years student.
- iv) Arranged one Induction program by Mr. C. E. Potnis for F.Y. B. Sc. and B.Sc. (Comp. Science) students.

C) Prof. P. S. Kapre

- i) Participated in national workshop on "Recent Trends in Applied Statistics" held at Yashwantrao Chavan Institute, Satara during 14th to 15th December 2012.
- ii) Worked as a judge for poster competition in the event 'Statistica' held in Abasaheb Garware College, Pune -04, on 15th January 2013.
- iii) Attended workshop on cooperative learning as applied to class room teaching in Modern college, Shivajinagar, Pune -05, on 8th February 2013.
- iv) Worked as an evaluator for the activity Elocution in the New Arts, Commerce and Science college, Ahmednagar on 24th February 2013
- v) Attended workshop on syllabi revision of FY BA, B.Sc. B.Sc. (Comp.Science) at Fergusson College, Pune at 12th February 2013.
- vi) Was appointed as Nodal officer of Modern college for all India survey on higher education by M.H.R.D. Govt. of India.
- vii) Worked as Chairman of Time Table committee.
- viii) Worked as member of examination and Students' Welfare committies.

D) Dr. M. M. Sane :

- i) Attended workshop on syllabi revision for M.Sc./ M.A. statistics at Modern College, Pune -05 on 1st and 2nd March 2013.
- ii) Worked as resource person (delivered 6 lectures) in a workshop on advanced biostatistics organized by Sanjay Gandhi Post –graduate Institute of Medical Science, Lucknow and National Institute of Health, USA. On 19th to 21st November 2012.
- iii) Worked as Co-ordinator for Annual Prize Distribution Committee (Academic)
- iv) Worked as Advisor, Science Association committee.
- v) Worked as Chairperson of Result Analysis Committee

E) Prof. A.T. Kamble

- i) Workshop on Reliability, Survival Analysis and Industrial Statistics at University of Pune, during 9th -10th November, 2012.
- ii) A one day workshop on credit system at Abasaheb Garware College ,on 27th February 2013.

iii) Worked as member of Science Association.

F) Prof. T. N. Choudhary

Participated in a one day workshop on SAS Analysis conducted by Ultramax Info net Education, Aundh, Pune on 28th July 2012.

G) Prof. M. A. Kanade

Prof. Mayura Kanade attended workshop on Syllabi revision of F Y B.Com.at Akurdi on 12th February 2013.

Prof. P. G. Dixit, Dr. M. M. Sane and Prof. T. N. Choudhary attended the workshop at Abasaheb Garware College, Pune on Syllabi Revision on 27th February 2013.

Prof. P. S. Kapre attended National workshop at Fergusson College on 15th and 16th March 2013, along with Organizing committee member Prof. P. G. Dixit .

5) Achievements and Publications.

- i) Prof. P. G. Dixit is nominated as a member of Syllabi Revision committee at Shree Ramanand Tirth University, Nanded and SNTD University, Mumbai.
- ii) Prof. P. G. Dixit is nominated as a member of Board Studies in Statistics at an autonomous institute R L Science college Belgum, Karnataka.

Mrs. Mangala Salunke : The class IV employee has completed Modi Script certificate course and attended workshop on Basic Skills in Counseling on 17th to 19th January 2013 at Intsitute for Human Relations, Counseling and Psychotherapy, Vellore, Tamilnadu.

6. Campus Interviews

The campus interviews were conducted at the Department of Statistics by

- i) Premier Biosoft, Indore on 18th October 2012
- ii) E solve e-tutoring company on 9th February 2013
- iii) Technit e- solution company on 21st March 2013

7. Prizes:

(A)V.R.Dhongade prize:	Ms. Farad Bhakti (F. Y. B.Sc.)
(B)V.R. Prayag prize:	Ms. Priyanka Muluk (T.Y. B.Sc.)
(C)Late Sou Indirabai Chirputkar prize:	Ms.Priyanka Muluk (S.Y.B.Sc.)
(D)Late Nirmala Potnis Prize:	(i)Ms Jyoti Akhade (T.Y.B.Sc) (ii)Ms.Gitali Katare (T.Y.B.com.)
(E) Mahendra Takalkar (Past Student) :	Ms. Devaki Joshi (M.Sc.)

Workshop arranged on 12th and 13th January 2013.

As a part of celebration of 2013 as **International Statistics Year**, for promoting the practice and profession of statistics , the Department of Statistics of Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5 organized a workshop on 12 th and 13 th January 2013 on “**Careers in Statistics**”.

There were 200 participants from colleges and postgraduate departments all over

Maharashtra State (India).The following activities were conducted.

Case studies/situation analysis: The activity was conducted by Dr.M.B.Kulkarni (BYK College Nasik) and Dr. Palanichamy (Director, Kendle Data and Tecnologies Private limited ,Gujrath India). The following were some situations given to suggest solution using statistical tools:

- (a) Detection of petroleum adulteration using the maker which is added in petrol.
- (b) Assessment of AIDS awareness programme.
- (c) Comparison of test drug with placebo.
- (d) Examine the effect of various factors on conception rate of artificially inseminated cows .

Mock Interviews: Mock interviews were conducted by Dr. Anil Gore (Vice President, CYTEL software and services company, Pune) and Dr. Palanichamy. Mr .Ajay Sathe (CEO, CYTEL software and services company, Pune) screened the pre- recorded video clippings of a bad interview and a good interview.

Poster Competition: In all 36 posters were received and presented by participants on variety of subjects. These included graphical representation of data and analysis summarized in table.

The examples included the data on different crops, child labour ,suicides, ecology, insurance, demography, inflation, facebook and tweeter users data , economic data Indian and world and Can astrology be regarded as science?

Statisticians' Calendar: A souvenir in the form of desk calendar containing the information of top 12 statisticians about their valuable research contribution was released. In January the information about Karl Pearson is given, in the subsequent months respectively, we have included information about Weibull, R A Fisher ,P C Mahalanobis , Jerzy Neyman ,R .C.Bose, Abraham Wald, A .N .Kolmogorov, P.V.Sukhatme, C.R.Rao, D.R.Cox. . December contains information about Genichi Taguchi. The order of inclusion of statisticians is according to their birth dates.

“Syllabi Revision Workshop”

Dates : 1st and 2nd January 2013.

Number of participants :23

Resource persons from Pune, Ahmednagar and Baramati guided the workshop. The main theme was to prepare a choice based credit system syllabi. Due to the vast experience and deep knowledge of resource persons, we received valuable inputs and suggestions. It enabled us to prepare a draft syllabi and the broad structure. The detailed syllabi for semester I and II was prepared for further consideration.

We thank university authorities, Dr. V. B. Gaikwad. Director BCUD, Dr. K. V. Mohite Dean, Faculty of Science, Dr. S. R. Deshmukh Chairperson Board Of Studies in Statistics for their valuable guidance and support.

Prof. P. G. Dixit
Head

NSS ~ Junior College



Principal Dr.R.S.Zunjarrao
felicitates MLA
Shri. Sangramdada Thopte
during NSS Camp.

"Hands at Work"
at the NSS Camp



Student volunteers and Programme Officers
at Shramasanskar Shibir, Phulgaon.

Science Association



Science Exhibition

Chief Guest
Dr. Mrs. Anjali Kshirgar,
University of Pune,
Principal Dr. R. S. Zunjarrao
and Vice-Principal
Prof. S. R. Chaudhari
engrossed listening to
enthusiastic participants.



Science Exhibition



Student Volunteers with Prof. Mrs. Pooja Partane, Vice-Principal Prof.S.R.Chaudhari,
Chairperson Dr. Nivedita Mahajan and Dr. Mrs. Manisha Sane.

कलामंडळ व साहित्यसंघटना



कलामंडळ व साहित्यसंघटना
उद्घाटन कार्यक्रम
'शोध कवितेचा'
सादरकर्ते महेश पाटणकर व सहकारी.

साहित्यसंघटना भितीपत्रकाचे उद्घाटन
करताना प्रा. सुनिता पुरोहित
उपप्राचार्य डॉ. नयना कुलकर्णी व
प्रसिद्ध नाट्यसमीक्षक
डॉ. वि. भा. देशपांडे



स्पीकमेंके व मॉडर्न कलामंडळ आयोजित संगीत सभा आंतरराष्ट्रीय ख्याती प्राप्त कलाकार
डावीकडून - पखवाज - मंजुनाथ, खंजिरी - अमृत, व्हायोलिन वादक नागराज, डॉ. मंजुनाथ,
तबला वादक - पंडित रामदास पळसुले



कलामंडळ - वार्षिक पारितोषक वितरण
समारंभ - प्रसिद्ध अभिनेता सिद्धार्थ
चांदेकरची मुलाखत घेताना श्रीधर कुलकर्णी.



Principal Dr. R.S.Zunjarrao appreciating the 'Petal Arts' Exhibition by Dr. Anagha Shinde.



Judge
Dr. Rajendra Mahamuni
evaluating the
photographs during the
Photography competition.



Dr.Kailash Chandra,
Scientist- ZSI, Kolkata and
Dr.Anil Mahabal,
Ex-Officer-in-Charge,
ZSI, Akurdi in discussion
with Dr.H.V.Ghate at
PGRC,Zoology.

Past meets the Present- Past
students Dr.Meghana
Kanitkar, Mr.Girish Shelar
and Dr. Mandar Kulkarni
(centre) during an interactive
session with the present
T.Y.B.Sc. Zoology batch.





Project Competition
IMAGINE, Ms. Kalpana
Kedar explaining project to
Chief Guest
Prof. J.V. Khedkar,
Principal Dr. R.S. Zunjarrao
and Vice Principal
S. R. Chaudhari.



P.G. students at Fergusson
College during Avishkar
Project Competition organized
by University of Pune , along
with Prof. Umesh Kothavade.



Library: Sale of Old Books



Mobile Library



Students
presenting models
at Biotech Fest.



Lecture series on
“Nanotechnology in
Microbiology”.
Prof. Sheetal Pardeshi
introduces the Speaker
Prof. Suresh Gosavi,
Dept. Physics Univ. of Pune
Dr. Shilpa Mujumdar and
Prof. Rupali Naik-Sawant
on dias.



Social Activity: M.Sc.II
students at
“Survesham Seva Sangh”,
Wadgoan Budruk.

➤
Vice-Principal
Prof.S.S. Deshmukh
Interviewing Mr. Sanjay Katkar
(Pride Alumni and CTO,
Quick Heal Technologies
Pvt. Ltd.).



◀
Scholarship received by
Ms. Aishwarya Risbud
(SYBSc.Computer Science)
at the hands of Mr. Rindani.

➤
Poster competition
and exhibition :
A participant explains
to the Chief Guest
Prof. S. D. Dhole,
Department of Physics,
University of Pune
and Prof A.V.Deshpande,
Head, Department
of Physics.



◀
Project competition:
A student of T. Y. B. Sc.
(Physics) explains as
Principal Dr.R.S.Zunjararo
and other members of the
Staff intently listen.



F.Y.B.Sc. Students - Visit to Ralegan Siddhi -
Social Reformer Anna Hazare speaks to our 'Modern' Youth.



Hindi Din : Dr. Nayana Kulkarni - Vice-Principal (Arts)
Chief Guest - Dr. Kanti Lodhi, H.O.D Hindi - Wadia College,
Principal Dr. R. S. Zunjarrao and Prof. Sunita Purohit - H.O.D. Hindi.



Science Students of the Earn and Learn Scheme monitoring the
Vermicompost Unit of our college.

manual help.

Along with the main library, there are departmental libraries in few departments for the convenience of staff & students.

This year **Saraswati Pooja & Book Exhibition** of newly purchased books was held on 22nd October 2012 in the library. Honourable Principal Dr. R. S. Zunjarrao performed Pooja ceremony.

Orientation lectures for first year students of Jr. wing, Sr. wing, PG wing were organized and information about library was given in this session.

This year 10 Students worked in the library under **Earn & Learn scheme** of University of Pune.

46 students availed the **book bank facility** from the library in the year 2012-13.

This year library replaced normal tube lights to **florocit tube lights** which leads to minimum consumption of electricity.

In the **ladies room** of college, books on counseling for women and general awareness were kept for the girl students.

Total 336 books were shifted to **Commerce Non-grant** (BBA/BCA) for the departmental library.

Books related to **competitive exam** have been separately kept in a hall which remains open till midnight. Mr. Telke looks after these books.

Digital library facility has been started for staff & students.

Every Saturday except examination period library displays books of general reading for students.

On 16th July 2012, Showtime group arranged **"The Library on Wheels"** program in the college in which they displayed books in a van published by Pearson Publication.

On 6th December 2012 library displayed books related to Dr. Babasaheb Ambedkar on account of **'Mahanirvan din** of

Dr. Babasaheb Ambedkar.

Library displayed books related to Women empowerment during **"Jagar Janivancha"** programme.

Books exhibition by **'Sanatan Sanstha' & 'Ramakrishna Math'** was arranged for staff & students.

Library books & journals on subject related to conference were displayed in the Conference Hall during the International conference on **"Employability Enhancement Through Proficiency in Indian and Foreign Languages"**, organized by our college on 28th to 30th January 2013.

Library sold withdrawn books of the library at the rate of Rs. 5/- per book. Staff & students purchased maximum books.

Activities of Library Staff:-

Mrs. M. S. Datre:

Attended 6 days (30/07/12 to 04/08/12) Short Term Course on "Modern Technology in Libraries", at UGC Academic Staff College, Jawaharlal Nehru Technological University, Hyderabad.

Attended One day (06/08/12) workshop on "The use of Online journals, databases and e-books", organized by Jaykar Library, University of Pune.

Mrs. Sukhada Pandkar:

Attended 6 days (30/07/12 to 04/08/12) Short Term Course on "Modern Technology in Libraries", at UGC Academic Staff College, Jawaharlal Nehru Technological University, Hyderabad.

Attended one day (05/03/13) International Workshop on "Exploring ABCD Open Source Software", organized by Modern College of Arts, Science & Commerce, Ganeshkhind, Pune 411053.

Attended 3 days (21/03/13 to 23/03/2013) 9th International CALIBER 2013 on "Library Vision 2020 : Moving Towards the Future", at INFLIBNET Centre, Infocity, Gandhinagar, Gujarat.

Shri. Hajare S. M.

Attended Two days state Level seminar on 'New Trends in Library for Library Staff' on 25th & 26th Mar. 2013 organized by Prof. Ramkrishna More Arts, Commerce & Science College, Akurdi, Pune - 411044, under Quality Improvement Programme, University of Pune, Pune - 7.

Mrs. M. S. Datre
Librarian

Prof. S.R. Pokharkar
Chairman,
Library Committee

Arts Circle and Arts Association

We decided to conduct activities together because both associations are working for students' cultural development.

Activities

1) An inaugural function of both associations was held on 31st Aug. 2012. Organised a programme of 'Shodh Kavitecha' presented by Mahesh Patankar & Group. This programme is based on especially text book poems of Marathi language. Poems were presented in different forms like recitation, acting dialogue etc. Students & staff enjoyed the programme. Chief guest of this programme was famous drama critic Dr. V.B. Deshpande - ex-professor of Modern.

2) Organized 'Kala Saptah' especially to encourage students' talent in different art forms, 1st Sept. to 7th Sept. Various competitions were as follows :

Date	Competition	Organiser
3/9/12	Poetry Reading Elocution	Prof. Mrs. Kuvlekar
4/9/12	Play Reading	Prof. Ashok Kamble Dr. Madhura Koranne
5/9/12	Dance	Prof. Vandana Joshi Prof. V.B.Suryawanshi
6/9/12	Vocal & Instrumental Music	Prof. Leena Patankar Prof. Mrs. Apte
7/9/12	Mehendi, Rangoli & Poster	Prof. Mrs. Sardesai Prof. Mrs. Dhabade

All these competitions were well organized and there was a enthusiastic response from students.

3) This year our students participated in various prestigious drama competitions - In July 12 Raj Karandak & Sarpotdar Karandak, in Aug. 12 Purushottam Karandak, in Jan. 2013 Gadkari & Dnyankranti Karandak.

After a gap of 14, 15 years we participated in a wellknown competition Firodia Karandak.

This year we got tremendous success

Sarpotdar Karandak : Team Rank 3rd

Gadkari Karandak : Team Rank 3rd

Direction - 2nd for Kartik Shete

Dnyankranti Karandak -

Acting - Female character 2nd Prize for Gandhali Ghate.

Art Direction - 1st Prize for Abhilash Matre & Pranav Joshi

Direction - Consolation Prize for Kartik Shete.

In Firodia we successfully entered in pre-primary to primary level and stood in top fifteen. We got a **first prize for face painting** - Ashwami Patil & Prutha Hirve - 11th Arts faculty students.

4) We got success in elocution competitions. **Siddharth Naik** a student of F.Y.B.A. got following prizes

Moropant Karandak	1st
Annabhau Sathe Elocution competition	1st
Ramnath Karandak	1st
Rashtrawadi Congress State level Elocution Competition	2nd
M.S. Kakade Karandak	3rd
Asha Charitable Trust State Level Elocution Competition	3rd
Anti Dowry State Level Elocution Competition	4th

Sangram Bhagat, S.Y.B.A.
Pune Zilla Level Elocution
Competition 2nd

Rakesh Rajput, M.A. Eng.
Pune Zilla Level Elocution
Competition 1st

Singing

Shubhangi Kedar, XII Sci.
B.J. Medical, Vadant 3rd
Kamala Sports Solo Singing 2nd

Poetry Reading

Shreedhar Kulkarni,
T.Y. B.Com
M.I.T. Abhivyakti 1st

Rudrani Naik, 11th Arts
'Kirtan' Competition,
S.P. College Pune 2nd

5) 26th Jan. 2012 - We organized a
programme of Mrs. Saman
Prabhumirashi. She performed some
songs related to village atmosphere.

6) 15th Jan. 2012 - Organized a special
programme with the support of SPIC-
MACAY - A Violin recital by world-
famous artists Mysore Bandhu - Dr.
Manjunath & Shree Nagnath.
Everyone really enjoyed this heavenly
music.

The recital was accompanied by Pandit
Ramdas Palsule on Tabla, Mr. Amrit
on Kanjiri & Mr. Manjunath on
Mridangam. Prof. N.M. Naidu
compered this programme.

7) At the end of the year we organised a
prize distribution programme at the
hands of famous Marathi actor
Siddharth Chandekar. Shreedhar
Kulkarni our student of T.Y.B.Com,
interviewed Siddharth with interesting
questions & Siddharth expressed his
views very honestly & rationally.

We thank our Principal Dr. R.S.
Zunjarrao for his constant support. We also

thank Dr. Nayana Kulkarni for her
encouragement.

We thank all of our members of Art
Circle & Arts Association for their sincere
contribution.

Mrs. S.D. Purohit
Chairperson

Attendance Committee

The functioning of the attendance
committee starts every year from the day
one of teaching at the classroom level. This
is intended to promote attendance of
students in the classes.

Students having less attendance in three
or more subjects were identified as serious
Defaulters. Lists of such defaulters were
prepared on the basis of attendance report
submitted by teachers for first term. List
of Defaulters was displayed on the notice
board.

Meeting of all the defaulter students was
called faculty wise with Vice Principal. They
were strongly warned and were asked to
improve their attendance in the second
term. An undertaking was also taken from
these students committing to improve
attendance in theory and practical.

All these steps helped in increasing the
attendance of students. It was found that
the 'defaulter number' substantially went
down in the second term.

S.R.Wagh
Chairman

Best Student Trophy Committee

- Chairperson – Mrs. Madhuri S.
Ghanekar
- Advisor - Mrs.Sanjeevani Rahane
- Members – Mr. D.L. Khokale , Mrs.
S.V. Kuvalekar, Mrs. Rekha Agashe,
Mrs. Beena Muttalgiri,
Mr.D.B.Gaikwad, Mrs. S.R. Hirve ,

Mrs. Pooja Paratane, Mr. Vivek Bobade, Ms. Sheetal Pardeshi

- The best student trophy is given to the best student from junior wing, senior wing and post graduate wing. The best student from **junior wing** receives: **"College Trophy"** and **"Late Jyotsna Godbole cash prize"**. The best student from **senior wing** receives **"Damoder Shield"** and **"Veer Savarkar cash prize"**. The best student from **P.G. section** receives **"Best student P.G.-Trophy"** and **"Late Prof. G.M. Bansude cash prize"**.
- The committee invited applications from students and then short listed the students after scrutiny of the applications. The short listed students were called for personal interview. One student from each wing was declared as the best student.

This year total 59 applications (Jr. 24, Sr. 22 and P.G. 13) were received. Out of these 18 were short listed (Jr. 6, Sr. 6, and P.G. 6) for interview and group discussions which were held on **Saturday, 19th Jan 2013**. The panels of judges were formed. The shortlisted students were judged on the basis of **confidence, personality and communication skills**. They also were judged based on **a group-discussion on the given topic**.

Following students were **shortlisted** in the **Junior Wing** :

- | | |
|----------------------|---------|
| 1. Shah Divyaj | XII – C |
| 2. Sohoni Pooja | XII – G |
| 3. Chaudhari Kedar | XII – C |
| 4. Sonawane Tejal | XI - D |
| 5. Navangul Sharvani | XII – G |
| 6. Ghanekar Omkar | XI - C |

The topic for **Group discussion** was – **Youngsters in politics**

Following students were **shortlisted** in the

Senior Wing :

- | | |
|------------------|---------------|
| 1. Gawade Vikram | T.Y.B.Com.-B. |
| 2. Tattu Kalpana | S.Y.B.Sc.-A |
| 3. Rao Shruthi | S.Y.B.Com.-D |
| 4. Shilpa Raju | T.Y.B.Com.-D |
| 5. Khandve Neha | S.Y.B.Com.-D |
| 6. Patil Somling | S.Y.B.A.-A |

The topic for **Group discussion** was – **Safety of women, whose responsibility?**

The students shortlisted in the Post-Graduate wing were as follows:

- | | |
|----------------------|--------------------|
| 1. Shinde Sagar | MCA-I(Sci) |
| 2. Moghe Aditi | M.A.II |
| 3. Halder Tonmoy | M.A.II |
| 4. Thete Shraddha | M.Sc.I(Comp) |
| 5. Khatri Shraddha | MCA-I(Sci) |
| 6. Khadpekar Akshada | M.Sc.II
Biotech |

The topic for **Group discussion** was – **Safety of women, whose responsibility ?**

Panels of judges :

Jr. Wing :

1. Vice-Principal Prof. M. M. Rane
2. Prof. Mrs. S.V. Kuvalekar
3. Prof. Mrs. Beena Muttalgi
4. Prof. Mrs. Agashe
5. Prof. Mrs. Sunita Nighot
6. Prof. Kute

Sr. wing :

1. Vice-Principal Prof. S.R. Chaudhari
2. Prof. Dr. S.K. Rahane
3. Mrs. M.S. Datre
4. Prof. Dr. Dharmadhikari
5. Prof. D.L. Khokhale

P.G. wing :

1. Vice-Principal Prof. Dr. Waghmare
2. Prof. Dr. Mrs. Shushama Jog
3. Prof. S.S. Thengdi
4. Prof. Mrs. Shilpa Mujumdar
5. Prof. Mrs. M.S. Suryavanshi

6. **Prof. Dr. Deepak Shendkar**

The following students were declared as the best students : 2012-2013

Best student – Junior

Ms. Navangul Sharvani Amol,
XII - G

Best student – Senior

Mr. Gawade Vikram Uttam,
T.Y.B.Com.-B

Best student – Post graduate

Mr. Sagar Shinde,
M.C.A. I (Science)

Mrs. Madhuri Ghanekar
Chairperson.

COMMERCE ASSOCIATION

The Commerce Association provides platform for the extra-curricular activities of the students. It organizes various events for the overall development of the commerce students. The motive behind organizing such events is to develop multi dimensional skills among the students and to prepare them to face the stiff competition.

The following persons were Members of Commerce Association during the year:

1. Prof. R. R. Agashe.
2. Prof. A. J. Ahiwale.
3. Prof. R. P. Date.
4. Dr. R. Y. Deshpande.
5. Prof. V. N. Gaikwad.
6. Prof. S. R. Hirwe.
7. Prof. M. Mishi.
8. Prof. S. A. Vartak.
9. Shri. A. Kakad.

The activities of the Academic Year 2012-13, were inaugurated at the auspicious hands of C.A. Vinit Deo, Editor, Positive, Sakal.

During the year following ten events were organized :

1. **Letterhead Competition** was

responded with great and innovative ideas.

2. Many students have hidden talents and hobbies but have never got an opportunity to expose their talents. Therefore, an event known as **Hobby Corner** was organized where the students were given a platform to showcase their hidden talents and hobbies.
3. **PI- Personal Interview** – In this event, the participants had to experience the interviews conducted by the Panel of Judges. The interview was based on the topics of 'Cost Accountant' and 'Chief Executive Officer'.
4. **GD- Group Discussion** was held on the topics like 'Bus Day' and 'Advertisement- Whether helpful or not?'
5. **Business Quiz** was organized, where the students were asked the questions on academic and general knowledge. We had also conducted an audio-visual round for the quiz.
6. **Debate Competition**, where the students were divided into different groups and they debated on the topics like 'IPL- Whether a Sport or a Business' and '100 Years of Indian Film Industry.'
7. **Mad- Ads** was one of the most exciting events, where the participants were given different products and they had to advertise it. Through this event we tried to enhance the skills and confidence of the students.
8. This year we conducted a **new event** named **PPT i.e. Power Point Presentation**. In this event, the students had to prepare a fictitious company of their own and present its details like Mission, Vision, Achievements, Employee Data Base, Financial Statements etc.
9. We had also organized **'Hand Written**

Magazine Competition' where almost 25 students participated with their innovative ideas.

10. The last event was **'Treasure Hunt'**. It was the most awaited event of the year, where around 120 students participated. The students had to run around the college to get the next clue. The final round was to prepare a food dish, Bhel. The main purpose was to enhance the students to work in teams and to show their marketing skills.

The Prize Distribution Ceremony was held on 26th March, 2013. The Chief Guest Principal, Dr. R. S. Zunjarrao shared his views and encouraged the students with his innovative ideas.

All the activities of Commerce Association were held and organized by the **Student Representative**, Darshan Shah and the **Co-ordinators** Ninad Somani, Monisha Lokhande, Shruthi Rao and Abhishek Patel and several volunteers whose help and support shall not be forgotten.

During the time of activities, **Darshan Shah** was the Most Active Student. He was the engine of the Association. His contribution and work is beyond appreciation.

The Commerce Association acknowledges the support given by our respected Principal Dr. R. S. Zunjarrao, Vice Principal and Secretary Prof. S. S. Deshmukh, Vice Principal and Head of Commerce Department Dr. Y. R. Waghmare, the Faculty Members of Commerce Department and Shri. R. D. Jadhav, the Non Teaching Staff.

Prof. Rupesh Bansode
Chairman

Film Club

In this academic year, the Film Club tried to supplement the science syllabi with the appropriate documentaries and films.

Some of the films shown were as follows:

1. **Planet Earth – From Pole to Pole:** A documentary produced by BBC describes the diversity of flora and fauna from North to South Pole along with comments on geographical and climatic highlights.
2. **Private Life of Plants - Growth:** This documentary describes the growth of plants from a small seedling to huge rainforest trees.
3. **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.
4. **Private Life of Plants – Migration:** This documentary explains how plants adapt to disseminate their propagules to occupy new habitats.
5. **Understanding Viruses:** A documentary produced by National Geographic channel describes how viruses attack living cells of plants animals and bacteria, and manipulate them for their own benefit.
6. **Charles Darwin :** A BBC film describing the voyage of Charles Darwin and his thinking processes which led him to formulate the famous statement 'survival of the fittest' and also the theory of evolution.
7. **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.
8. **The Great Events – Migrations:** A documentary describing the migratory birds and animals and the challenges

they face during their seasonal migrations, some of which are of hundreds of kilometers.

9. Planet Earth – Jungles: A BBC documentary describing different types of forests across the globe and the diversity of plants and animals they contain.
10. 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.
11. Private Life of Plants – Living together: A documentary explaining the relationship among various plant groups and how they support their growth and establishment.
12. 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.

The Film Club extended its activity to NSS in this year. A documentary 'The Secret' was shown to the students of NSS during their camp at Kule. The documentary illustrates the importance of positive thinking and how it improves our life.

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.

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.

All the members of the committee for gave their valuable suggestions and rendered help and support throughout the year..

Dr R B Barmukh
Chairman

NCC

Strength of NCC, for the year 2012-13.

Wing	First Year		Second Year		Total	
	SD	SW	SD	SW	SD	SW
Army	22	12	16	0	38	12
Naval	28	5	10	7	38	12
Air	2	1	1	0	3	1
Girls Unit	0	3		5	0	8
Total	52	21	27	12	79	33

Total strength = 112 Cadets (79 SD and 33 SW)

Army wing: Result 2012

NCC EXAM	GRADE PASSED			TOTAL
	'A'	'B'	'C'	
'B' CERTIFICATE	3	14	18	35
'C' CERTIFICATE	0	7	3	10
CDT APPEARED IN Feb 2013 EXAM	SD	SW	SD	
'B' CERTIFICATE	20	10	-	30
'C' CERTIFICATE	-	-	16	16

ARMY WING

NCC Army Unit of Modern College undertook various activities this year, under the leadership of Capt. B. B. Yenage and SUO Ankit More.

This year 36 MAH BN NCC enrolled Girl Cadets and 12 SW Cadets enrolled in our College Army Unit.

- NCC Officer Lt B B Yenage was promoted to Captain Rank from 18th Oct 2012.
 - JUO Abhishek Gosavi, successfully completed 'Thal Sainik Camp' from 29th May 2012-8th October 2012. He won Silver medal in Hygiene and Sanitation. MAH Directorate is No 1 in overall performance in TSC.
 - CSM Bajarang Bomble and SGT Vishwanath Rao completed TSC Camp upto CAT I.
1. **Anti-drug rally** was held on 26th JUNE 2012 from 36 MAH BN NCC to Fergusson College, 20 Cadets participated in the rally. They displayed banners showing the adverse effects of tobacco and drug on the human health and posters to create awareness in the society .
 2. 20 NCC Cadets participated in **Rice Plantation** programme held at Vinzar, Velle, organized by Dr. Mohan Dhariya's "VANRAI". The motto of the programme was 'One day for the farmers'. It was to inspire the students for helping the farmers voluntarily. The cadets were felicitated by Certificate and 1 Kg of rice each.
 3. **Tree plantation:** 8th Sep 2012. (20 Cadets)

If every individual plants at least one tree it would definitely give better chance to keep earth's environment safe and maintain ecological balance.

NCC Cadets successfully carried out 'Tree Plantation' activity at Modern College of Agriculture Biotechnology, Kule, Paud. The activity was inaugurated by our Principal, Dr R. S. Zunjarrao and Dr. A. K. Pande, Chairman, Local Managing Committee, Modern College, Pune-5.

Cadets planted 125 different varieties of forest plants. The main force behind the plantation activity was our Principal, Dr R. S. Zunjarrao.

Lt Col V. C. Sharma, Commanding Officer, 36 Mah Bn, NCC, Pune, provided transport facility and motivated the Cadets regarding duty towards the society.

4. **Environmental awareness poster exhibition:** 14th Sep 2012. (47 Cadets)

Guard salami was given by the NCC Cadets to our Chief guest Lt Col V C Sharma, Commanding Officer, 36 MAH BN NCC, Pune.

Cadets organized a 'Poster Exhibition on Environmental Awareness' in the college on the same day. This was to encourage NCC Cadets to take concrete action towards overcoming the effects of Climate Change.

The activity was inaugurated by Lt Col V. C. Sharma and our Principal, Dr R. S. Zunjarrao. Three best Posters were selected for Prizes and the prizes were given at the hands of Lt Col V C Sharma in the concluding function.

Lt Col V. C. Sharma guided and motivate NCC Cadets to arrange such activities in future.

5. **Pulse polio drive :** 20th Jan 2013 16 Cadets: (7SW + 9SD).

Dr. Ashwini A. Gaikwad, Medical Officer, Family Welfare Center, Shivajinagar, Pune-5 conducted this activity with the help of the NCC cadets at our College and nearby area.

6. 50 Cadets participated in '**Pune Bus Day**' organized by Sakal News paper on 1st Nov 2012. NCC Cadets worked as volunteers for helping passengers and motivate people to use the public transport. They gained a different kind of experience in the Bus day participation.

7. **Regular Activities and Participation of NCC Cadets in Various Camps:**

- i. JUO Somaling Patil and CPL Mandar Renuse participated in Special National Integration Camp held at Kohima, Nagaland.
- ii. SUO Pramod Kolekar participated in G V Malvankar - Firing competition up to final level in West Bengal in Oct 2012.
- iii. CSM Dinesh Thakur participated in All India Trekking Camp held at Kerala under 22 Kerala BN, NCC. in Dec 2012.
- iv. 8 Cadets participated in Annual Training Camp-I in Jul 2012 held at NCC GP HQ, Pune.
- v. 6 Cadets participated in Annual Training Camp-II in Oct 2012 held at NCC GP HQ, Pune.
- vi. 20 Cadets participated in Annual Training Camp-III from 20th Nov to 29th Nov 2012 held at NCC GP HQ, Pune.
- vii. 4 Cadets completed OTA attachment Camp held at Guard Reg, Kamptee, Nagpur, in Jan 2013.
- viii. 2 Cadets participated in Annual Training Camp at Solapur in Jan 2013.
- ix. 8 Cadets were selected for guard of honour to Brig Naresh Kumar during Adam Inspection of 36 MAH BN NCC.
- x. Best Cadet Competition was held on 23rd Dec 2012.
- xi. Annual NCC Day was celebrated in our college on 6th FEB 2013. NCC Cadets were felicitated by the Principal giving Certificate and gifts for their achievement

in NCC activities.

NAVAL UNIT:

NCC officer Sub Lt. A.V. Kamble was promoted to Lieutenant Rank

The Cadets participated in various naval activities under the leadership of Lt. A. V. Kamble, NCC Officer and Senior Cdt Capt Shahrukh Shaikh.

1. **Collecting Clothes and Grocery for donation** to 'Sparsh Balgram and Saraswati Anathalaya', Dapodi, Pune. The activity was carried out on 18th to 20th Nov 2012. Cdt's got support of Lt. A. V. Kamble, Prof. P. S. Varade, NSS Officer and Dr. Mrs. Satam, Head, Dept of Economics.
2. **Anti- drug rally** organized in Aug 2012 by Naval Cadets from Modern College to Deccan to spread the message of the hazards effect of Drugs, tobacco on human health.
3. **Annual Training Camp** held at Balewadi, Pune in Aug 2012-
 - o Cdt Narendra Kuchekar, won Silver Medal in Ship Modeling
 - o NCC Cdts stood Third in Drill Competition
 - o Cdt Deepak Shende stood First in Cross country and won Gold medal
 - o In Cultural Competition Modern College Cadets gained Second position
4. **Annual Training Camp** held at Kanhe Phata in Sep 2012-
 - Modern College Cadets won Best Division trophy
 - Second Position in Drill Competition
 - First Position in Cultural Competition
 - CDT Ritesh Agashe won Gold medal in Drawing Competition
5. Cdt Sagar Sadare, Cdt Pallavi Bhosale, Cdt Rahul Kengare and Cdt Pooja Nimbhore participated in 'All India Nau-Sainik Camp'. These cadets won Gold Medal, Silver Medal and trophies in various competitions held in the Camp.

NCC Cadets took appreciable efforts in regular NCC activities as well as in social work.

Capt. B. B. Yenage,
NCC Officer, Army.

Lt A. V Kamble
NCC Officer, Naval.

National Service Scheme

Senior Wing

Regular Activities

The NSS unit 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 participated in this scheme.

The Regular activities consisted of the followings:

3rd July 2012 – Anti Drug Day Workshop: Mr. Niraj Shevade, member of Mukhtangan, explained all the changes occurred in his life due to drug addiction. He also explained the role of Mukhtangan in his life followed by a question answer session. Vice- Principal Mrs. Nayana Kulkarni also guided the volunteers on this topic.

17th July 2012 – Participation in Kanya Ratna Abhiyaan: 75 NSS volunteers and Prof. P. S. Varade participated in this programme organized by University of Pune. Few women who had achieved some higher positions and had done some appreciable work were felicitated. A street play was presented by 'Women's Self-help group' on the above theme.

21st July 2012 – 04th August 2012 - Kanya Ratna Abhiyaan: Different activities such as group discussions, essay writing competition, poster competition, rangoli competition were held during this period. A one day street play competition was held on the above topic. Our college got the second prize. On 28th July a film show and street play were presented by Lokayat Group.

9th August 2012 -Awareness Programme by BDDS : DCP R.S. Mane and his other colleagues Mr. A. S. Kulkarni, Mr. P. P. Shinde, Mr. A.N. Gund guided the college students about 'How one should take care of oneself and the society, and learn to combat worst situations?'

A documentary on 'Bomb detection and disposal' was also screened. Vice Principal Prof. S.R. Choudhari, Prof. B. B. Yenge, Prof. Ms. Ameeta Kulkarni and both Programme Officers were present.

9th August 2012 - Rice Plantation-Appeal: As a part of rice plantation programme- EK DIVAS SHETASATHI, SHETKARYANCHA MADATISATHI', Adv. Nandu Phadake guided the students about the rice plantation process. He also told the importance of this activity in student life and the benefits to the farmers and in general to the society. The students were impressed and they immediately enrolled for this activity.

10th August 2012 –Rice Plantation at Vinzar : 150 students from our college (NSS

and NCC) and NSS P.O. Prof. P. S. Varade, Prof. Mrs. N. K. Bhandare, NCC officer Prof. B. B. Yenge actively participated in this activity. The students in a group of around 10-15 helped the farmers for planting rice in spite of the rains.

This was really a wonderful experience for the college students. The farmers were singing as they worked and our students joined them. Every student worked for minimum five hours.

At 5.30 p.m. a street play was presented by NSS volunteers for the villagers on the topic 'Save the Girl Child, Save the Nation'. Few Patriotic Songs were also presented by the students. The farmers really appreciated the work done by students. After this Adv. Nandu Phadake, Sarpanch of Vinzar, other members of Grampanchayat, Principal of Vinzar College felicitated the group leaders and the teachers.

11th August 2012- Guest Lecture: As an extension of Kanyaratna Abhiyaan, Adv. Manda Gaikwad spoke on 'Daily life ACTs and Law'. Around 200 students were present for this lecture. She narrated real life cases and later had a separate question –answer session.

24th August 2012 – International Youth Day Marathon: On the occasion of 'International Youth Day' the District Rural Health Center in collaboration with NSS Unit of Pune University and Modern College Shivajinagar, organized a marathon on the ground of Modern College. 200 Students participated in this rally. Collector of Pune District – Shri Vikas Deshmukh, District Medical officer –Shri Vinayak More, NSS Coordinator – Dr. Shakera Inamdar and Principal –Dr. R. S. Zunjarro, Dr. Y. R. Waghmare, Shri S.S. Deshmukh, Dr. Nayana Kulkarni, Shri. S.R. Choudhari. Registrar –R. P. Kale and NSS Programme Officers were present. The Prizes were

awarded to the winners by NSS Coordinator – Dr. Shakera Inamdar and Principal –Dr. R. S. Zunjarro.

24th August 2012 – District Level Pre –NRD/SRD Selection Camp: Modern College in collaboration with NSS Unit of Pune University organized a District Level Pre –NRD/SRD Selection Camp at the College. Principal Dr. R. S. Zunjarro inaugurated this camp in the presence of NSS Co-coordinator Dr. Shakera Inamdar. 200 NSS volunteers from Ahmednagar, Nasik and Pune District participated in this camp. Prof. Achyut Shinde, Prof. Nitin Mote, Prof. Pawar and both NSS P.O. worked as members of the Selection panel in this camp.

31st August 2012 – Workshop on Energy Conservation: Modern College in collaboration with PCRA organized a small workshop on energy conservation. Mr. Apte from PCRA division of Pune was the resource person for this workshop. A quiz competition and objective test were held for the students. 76 students participated in this workshop. At the end of this workshop prizes were given to the first three toppers.

2nd September 2012- Participation in Animal Food Collection & Distribution Camp: 25 students and NSS P. O. Prof. P. S. Varade participated in this camp. This camp was organized by Pune University NSS unit. The volunteers and teachers collected food for animals from the campus of Pune Market Yard. The vegetable vendors contributed to this activity. They donated waste vegetables and food grains. The customers at the market also contributed in cash. The food was distributed in different villages such as- Isurti, Dundaj, and Gulunchi. The villagers appreciated the efforts of volunteers and teachers. Dr. Shakera Inamdar, Dr. Prabhakar Ghodake, Dr. Bhagwan Mali and Mr. Vinayak Kadam worked hard for this activity.

5th September 2012-Police Mitra Orientation: Pune Police and NSS unit of Pune University organized seven days orientation programme for NSS volunteers of different colleges. They trained the volunteers for the security in Ganesh festival. Commissioner of Police Shri. Gulabrao Pol inaugurated the programme. 250 students and Prof. P. S. Varade participated in this workshop.

5th September 2012- Teachers Day: NSS volunteers and Prof. Mrs. N. K. Bhandare organized the programme. The volunteers felicitated the teachers and gave their views about this day. Around 150 students were present for this activity. Few teachers and Principal Dr. R. S. Zunjarro also spoke on this occasion.

8th September 2012- Tree Plantation: NSS volunteers and NCC cadets together prepared 75 pits and different tree- plants including some medicinal plants were planted. Principal Dr. R. S. Zunjarro and Dr. A. K. Pande. The work done by the volunteers was appreciated by all. Principal Dr. R. S. Zunjarro gave information about Plants and also their importance in 'Ayurveda'.

9th September 2012 – CCT at Baner: 40 NSS volunteers and Programme officer Prof. P. S. Varade actively participated in the construction of CCT at 'Baner Tekadi'. Mr. Vinayak Kadam and his colleagues from 'Vasundhara' group trained the students about CCT construction. Around 250 feet of running CCT was prepared by our volunteers and 100 feet was repaired.

17th September 2012 –North East Cultural Fest: As a part of National Integration and to bring the better confidence in the North – East students who are studying in different schools and colleges in Pune and nearby cities, our college under the guidance of our Principal Dr. R.S. Zunjarro organized a very different and innovative programme titled as – ‘

North East Cultural Fest'. 200 students from seven states of North- East India actively participated in this programme. Their parents and relatives supported this activity. The programme was full of joy and fun. The students presented their culture in a lively manner for five hours. Social workers present admired this activity. For the success of this activity Prof. P.S. Varade and Prof. Sangita Sarma worked hard for more than twenty days. Pune Commissioner Office and the Commissioner himself appreciated this activity and immediately after this another programme titled 'Sadbhavana Day' was organized by the 'Pune Police', for the North – East Students.

2nd October 2012 – Cleaning Drive: On the occasion of 'Mahatma Gandhi and Lal –Bahaddur Shastri's birth anniversary the NSS Volunteers cleaned few classrooms, porch, and campus. Principal Dr. R.S. Zunjarrao addressed the students. He stressed on 'Social responsibilities of Educational Institutes'. The function concluded by prayer.

31st October 2012 – PMPL Bus Cleaning Drive: As a part of an innovative activity called 'Pune Bus Day' organized by Pune Corporation and 'Sakal Papers Pune', our college NSS Volunteer and P.O. P. S. Varade cleaned around 25 PMPL buses. Depot Manager Mr. Gavahane and his colleagues appreciated the work done by the volunteers.

1st November 2012-Pune Bus Day: To support 'Pune Bus Day' 50 NSS volunteers and Prof. P. S. Varade worked as a volunteer in this activity. The volunteers in group served at different bus stops of Shivajinagar area to create awareness among people about the benefits of using public vehicle.

26th November 2012 : A group of Yuva Shakti Pune and Modern College together commemorated the day by lighting the

candles . On this occasion a short film showing the efforts of Mumbai Police against terrorist was screened. Principal Dr. R. S. Zunjarrao addressed the students about the role of youngsters in the protection of our nation from terrorist attack.

26th November 2012 – Sanvidhan Day Celebration: On this occasion our Principal Dr. R. S. Zunjarrao addressed the staff and students about the importance of this day. A Pledge was taken by everybody who was present in the hall. P.O. P.S. Varade, Librarian Mrs. Madhuri Datre, Registrar Shri. R.P. Kale, Prof. Mrs. Manda Admane and 60 students were present.

1st December 2012 – HIV/AIDS Awareness Rally Organization: On the occasion of World HIV/AIDS day, Pune Rural Health Center in Collaboration with Modern College organized a rally from Deccan Gymkhana to our college. Many NGO's participated in this rally. Principal Dr. R.S. Zunjarrao addressed the rally.

5th December 2012 –Pilot Camp at Kule: For the successful execution of 'Special Camp' at Kule, a group of 10 volunteers and Prof. P.S. Varade held a one day pilot camp at Agricultural – Biotechnology college, Kule.

12 to 19th January 2013- Celebration of Youth Saptah:

12th January 2013: As a part of "Youth Saptah" our NSS unit celebrated –the 150th Birth Anniversary of –Swami Vivekananda. On this occasion Prof. Narendra.M.Naidu and Prof. Mrs.Sunita Purohit and Yuva Munch of our college with the help of NSS volunteers the organized a One day Intercollegiate Youth Symposium.

18th January 2012 –Project Competition in Physics: As a part of Youth Saptah department of Physics in collaboration with NSS unit of our college organized a Project competition for

T.Y.B.Sc. Physics students. Prof. P. S. Varade and volunteers supported this competition. Prof. A.V. Deshpande worked hard for the success of this competition. Principal Dr. R .S. Zunjarrao inaugurated the competition. Prof. B. B. Yenge worked as a judge for this competition. All the staff members of Physics department were present for this competition. Prizes were distributed to the first three best projects at the hands of Prof. A. V. Deshpande.

4th February 2013 – River Cleaning Drive: Pune Corporation in collaboration with Pune University and NYK organized – ‘River (Mula-Mutha) cleaning drive’. This drive was inaugurated by Honourable Yuva and Sports minister Mr. Rajendra Singh in the presence of Dr. Vasudeo Gade ,Vice Chancellor of Pune University.

4th February 2013 –Self Defense Programme: Pune Police in collaboration with Pune University organized this programme . 50 girls and programme officer Prof. Mrs. Nisha Bhandare participated in this programme. Different resource persons trained the girl students.

9th February 2013- Aamhi Chalto Vyasana Muktisathi : 50 students and NSS P.O. Prof. P. S. Varade actively participated in this rally. The rally started from ‘Sambhaji Garden’ and ended at Shaniwar wada. The rally was inaugurated by NSS coordinator Dr. Shakera Inamdar and Dr. Kalyan Gangwal. Valedictory function was organized in the presence of Higher and Technical Education minister Shri. Rajesh Tope.

Appointment: Prof. P. S. Varade was appointed as area coordinator for Shivajinagar region and Programme Officer for Pune University P.G. Unit for the year 2012-13.

Participation in Workshop /Seminars:

Sr. No.	Name of Teacher/ Students	Title of Conference /Workshop/competition	Organized by	Remark
1	Prof. P. S. Varade	Youth Policy (13.07.2012) Yuva Jagar Abhiyaan (12.12.2012)	Mumbai University Yuva Jagar, Sangavi	Participation Participation
2	Prof. Mrs. N.K. Bhandare	Kanyaratna Abhiyaan rally	Pune University	Participation
3	Prof. Mrs. N.K. Bhandare and Group of volunteers	Street play on Beti Bachavo	BMCC College	Best performance
4	Miss. Vaishali Makadi	SRD/NRD Preselection camp	Pune University	Participation
5	Mr. Shriram Ramane	NRD Selection camp	North Maharashtra University	Participation
6	Mr. Prashant Rithe, Shreejit Nair, Dhammsagar Ujagare, Vinod Bhor	Value Education Workshop	BAHAI Academy Panchgani	Participation

Special Camp

Village Adopted: *Kule, Tal:Mulshi, Dist:Pune.*

Camp Place: College of Agricultural –Biotechnology, Kule

Camp Dates: 15th –21st December 2012.

Theme of Camp: Environmental Conservation Awareness

This was the first year of our 'NSS Special Camp' at Kule. Vice- Principal Dr. Nayana Kulkarni inaugurated the camp. Tanta-mukti Head Mr. Ramesh Sathe presided over the function.

The camp was full of activities. A few talks and interactive sessions were as follows:

Sr. No.	Theme/Topic of Talk/Session	Resource Person
1.	Durg Sanvardhan	Mr. Sujit Nawale & group
2.	University Adminstration	Shri. Pramod Bhadakwade and Student Welfare
3.	Student and Politics	Adv. Santosh Jadhav
4.	Student Status in society	Mr. Shrikant Gabale
5.	Swami Vivekananda	Mr.Narendra M. Naidu
6.	Culture & social Work	Dr.S.K. Ujalmbkar
7.	Anti-drug revolution	Sou. Shashikala Madam
8.	Social Responsibility	Principal Dr .R S. Zunjarrao
9.	The Secret: Documentary	Dr. Rajkumar Barmukh

A few other activities included: Guidance to School students by Volunteers, Games for volunteers, and Group discussions on burning social issues wherein our volunteers actively participated.

Survey: An exhaustive survey of the village especially on – Biodiversity, irrigation and agriculture, educational status of the village, disaster management and geographical location was conducted to update the information of the History survey.

Computer training Programme: Mr. Ketan Sanas, Durgesh Rokade, Pritam Satpute and NSS P.O. Prof. P. S. Varade conducted a small computer training wokshop for the high school students.

Health Camp: Doctors from **Poona Serological blood bank** carried out the general health check up camp for the high school students and villagers. The campers helped the doctors for this activity. Medicines were given to the patients free of cost.

Song and Drama on Corruption and Inflation: A group of Pune Lokayat presented different songs on corruption and Inflation. Two dramas (Bharood) were also performed by the group on the same subject. The villagers appreciated this programme.

Cultural Programme was appreciated by all the villagers. The villagers enjoyed the performances. Our campers presented their talents in this grand variety entertainment event with full enthusiasm.

Street Plays: Few street plays were performed by the campers on 'Save Girl Child' Prof. Nisha Bhandare guided the volunteers for this activity. They were guided to write their own scripts, decide roles and enact. This activity proved to be very fruitful as our campers performed these plays in various localities of the village several times during the camp. Mr. Swamiramiraj Bhise and group with our campers performed few street plays in

Kule on the theme –‘*Corruption Everywhere*’.

Activities for women folk: The traditional ‘Haldi – Kumkum’ programme was arranged as a get –together of the women folk. Our lady staff members had an interactive session with this group of women. A competition on –‘*Pak kala*’ was held and prizes were distributed after the competition.

Preparing Pits and plantation: Around 500 pits were prepared for the plants. The Gram-panchayat members and villagers appreciated the work.

Building Vanrai Bandhara and Pitching Work: A 100ft x 6ft x 3ft wall of sand was built by the campers in the local river. Few farmers got the benefit of this in terms of increased water level in their well. The Farmers were very happy due to this activity of the campers. The campers also did a very good job of pitching stones on the mud wall of small water dam in the campus of the Agricultural Biotechnology college.

Sharamadaan: Cleaning of the High school campus, temple and Grampanchayat premises and the roads in the village, preparing compost pits and the cleaning and setting of our camp site were the major activities.

Valedictory function: Head master of High School Shri . Darade sir, other teachers of high school, villagers and Principal Dr. R. S. Zunjarrao, Vice – Principal Prof. S.R. Choudhari , Registrar Shri. R. P. Kale, Shri Prakash Sable, Shri Amit Walvi and other colleagues of our college were present on this occasion. Few campers gave their heartfelt feedback about the camp. Later both the programme officers and the dignitaries addressed the gathering.

Prof. P.S. Varade

Prof. Mrs. N.K. Bhandare

Prof. Mrs. Shubhangi Puranik

Programme Officers, NSS

NSS

(Jr. Wing)

No. of Volunteers - 100 - from Arts, Science, and Commerce.

Activities conducted during the year 2012-2013

22nd June 2012 - Lecture delivered by Shri U. K. Gawali. Topic - ‘Anti Drugs Day’

5 July 2012 - A meeting of NSS committee was conducted, regarding, the planning of NSS special winter camp 2012.

Guru Pournima Day was celebrated by the volunteers, the topic was ‘Importance of Guru’. All members of NSS committee were presented for this activity.

20th July 2012 - Cleanliness Drive. College campus cleaning done, 40 students of Std. XII participated.

29th July 2012 - Trekking at Taljai Hillside (Tekdi) - the activity was organised by Mrs Gharpure, Mr. Sambare, Mrs. Sucheta Jadhav & Mr Walmik Wagh.

7th August 2012 - A visit to Handicap Centre, Chinchwad. NSS volunteers donated cash to the institution Mrs. Nighot & Mrs. Gangurde had organised the visit.

9th August 2012 - August Kranti Day, a speech by Dr. Sudhir Ujalambkar. Topic - Kranteeveer Khudiram Bose.

13 August 2012 - Aparna Gaikwad delivered a speech on ‘Rights of Children’ on behalf of ‘Awakening Jagruti Sanstha’. Mrs Gangurde, Mr. Devadhe, Mr. Alhat V.B. were present for the programme.

15th August 2012 - A programme 'India After Independence' was organised by NSS volunteers.

21st August 2012 - P.M. Sambare and Mrs. Gharpure gave a talk on "Importance of NSS and personality development through NSS".

28th August 2012 - A programme on 'Snake Awareness' presentation by Sarpamitra Yuvaraj Patil. He informed about the varieties of poisonous & non poisonous snakes in India and abroad.

5th September 2012 - 'Teachers' Day'. The NSS volunteers conducted 'Classroom Teaching'.

8th September 2012 - 'One day camp' was organised at Phulgaon, 68 students were present for this camp. Tree Plantation - 750 trees were planted by volunteers. Former sarpanch of Phulgaon Mr. Sunil Wagaskar encouraged the volunteers by giving information about the village and its historical importance. Mrs. Gharpure, Mrs. Sucheta Jadhav, Mrs. Vaishali Aher, Mr. Walmik Wagh & P.M. Sambare organised the camp.

24th September 2012 - 'NSS Day' - a speech by Prof. Umesh Gavali on 'NSS and National Integration'.

25th September 2012 - A visit to Deccan College, 'Archeaological Department' - 111 volunteers visited the campus and various departments of Deccan College. Dr. Dandaware, H.O.D informed students about the activity of Deccan Collge. The visit was conducted by Mrs. Gangurde, Mrs. S. Jadhav, Mrs. Vengurlekar & Mr. Wagh.

2th October 2012 - On occasion of Mahatma Gandhi's birth anniversary NSS volunteers cleaned the entire campus of college.

6th October 2012 - A visit to Agakhan Palace by NSS Students

23th October 2012 - Khande Navami - 'Shastra Poojan'. Pooja of equipment of NSS

unit, was performed by Principal, Dr. R.S. Zunjarrao. Members and volunteers from Sr. & Jr. Wing were present on this occasion.

22nd November 2012 - A visit to Kule, Tal. Mulshi regarding pre camp activity & special winter camp.

30th Nov. 2012 - Meeting of parents was conducted regarding NSS camp. Parents were informed about NSS Camp.

2nd December to 9 December 2012 - Special winter camp was organised at Kule, Tal. Mulshi, Dist. Pune. 53 students participated in the camp. Principal Dr. R.S. Zunjarrao and Mr. M.S. Jambhule were the guests for the inaugural function.

7th January to 13 January 2013 - Prof. Manisha Madhare, Prof. Sucheta Jadhav, Prof. Walmik Wagh completed their training regarding N.S.S. P.O. at TOC Centre Ahmednagar.

12th January 2013 - 'Youth Day' a programme was arranged at college in collaboration with NSS (Sr. College) and Yuva Manch.

11th February to 15th February 2013 - Girl Volunteers participated in the workshop on 'self defence' which was held at Police Parade ground at Shivajinagar Police Headquarters. The workshop was organised & conducted by Pune city Police & N.S.S. cell of University of Pune.

Commissioner of Police (Pune City) Mr. Gulabrao Pol, NSS Co-ordinator, Pune University Mrs Shakira Inamdar, Social worker Vidya Bal were present for this workshop. Prof. Vaishal Aher & Prof. Ashwini Deshkar worked as the co-ordinator for the workshop.

Mrs. Sajneevani Gharpure
Mr. Popatrao Sambare
Programme Officers, N.S.S. + 2 level

Planning Forum

Planning Forum is a forum which gives non formal education to the students on current economic aspects including the humanities. Following activities were carried out in the academic year 2012-13 :

- 1) The activities of the Planning Forum for the academic year 2012-13 were inaugurated by Dr. N.G. Hegde , Trustee and Principal Advisor BAIF on 16th August, 2012. He delivered a lecture on "Global Warming and Strategy for mitigating Climate Change". The function was graced with the presence of Vice- Principal Dr. N. J. Kulkarni.
- 2) Economics Quiz competition was conducted. The winners of this competition were 1) Yash Shinde (S.Y. B.Com- D) 2) Sumit Bilhore (F.Y.B.A. -B) 3) Satish Manurkar (S.Y.B.A. -A) 3) Vikram Gawade (T.Y.B.Com - B) Consolation Prize winners:- Abhishek Patel (S.Y.Com - D), Tejaswini Awad (F.Y.B.Sc -B)
- 3) Group Discussion competition on various current economic issues was organised. The prize winners were 1) Abhishek Patel (S.Y.B.Com -D) 2) Ninad Somani (T.Y.B.Com -D) 3) Kuldeep Parikh (S.Y.B.Com -D) 3) Shruti Rao (S.Y.B.Com- D), Consolation Prize Winner:- Deepa Venkateshwaran (T.Y.B.Com -C)
- 4) Personal Interview Competition was conducted. The prize winners were 1) Vikram Gawade (T.Y.B.Com- B) 2) Dipak Bodade (S.Y.B.Com- C) 3) Sonali Shedge (F.Y.B.Sc- B) Consolation Prize Winner:- Ashwini Kamble (F.Y. B.Sc- B)
- 5) Debate Competition was held on the topic -Capital punishment for the rapist? The prize winners were 1)

Indrajit Kendre (T.Y.B.A. -B) 2) Mrunalini Chaturvedi (F.Y.B.Com - A) 3) Monisha Lokhande (S.Y.B.Com- D) Consolation Prize Winner:- Rajashri Jakhalekar (S.Y.B.Com - D)

- 6) Essay Competition was conducted on "FDI in Services Sector" Sector. The Prize Winners were 1) Shruti Rao (S.Y.B.Com- D) 2) Sujeet Bahirat (T.Y.B.A.-B) 3) Vikram Gawade (T.Y.B.Com- B)

The Valedictory Function and Prize Distribution of various activities was held on 27th February, 2013. Principal Dr. R.S. Zunjarrao and Vice- Principal Dr. Y.R. Waghmare graced the function by their presence.

The above activities were the result of good team work done by Prof Ms P.B.Mujumdar, Dr. S.S.Deshmukh, Prof Mrs. S.A. Vartak ,Prof Rupesh Bansode, Prof Mrs. J.P.Nambiar, Prof Mrs. S.A. Dhamdere. Dr. M.M .Satam, Head Department of Economics also guided and encouraged the activities of Planning Forum.

Dr. Abhay Shende
Chairperson,
Planning Forum

Science Association

In the academic year 2012-13 Science Association carried out a variety of events for the benefit of science students of our college.

1. **Science Exhibition:** The students of our college from Std XI to Post Graduate level participated enthusiastically in Science Exhibition. There were **more than 60 experiments** from various streams of science. The exhibition was held on **11th September 2012**. Dr. Mrs. Anjali Kshirsgar, University of Pune, was the chief guest. **Dr. Mrs. Shubhangi**

Puranik, Department of Biotechnology worked as a **group leader** for this activity.

2. **Science Quiz:** It was an activity focused on junior college science students. It was organized on **3rd October 2012**. An elimination round was conducted for more than 80 students. Five teams were formed for the final round. **Team Aristotle was the winner team**. Cash prizes were given to team members. **Prof. Mrs. Vaishali Chabukswar**, Department of Zoology worked as a group leader for this activity. Prof. Amita Kulkarni and Prof. Mandhare conducted the activity.
3. **A one day workshop on Career Guidance for Science Graduates:** This event took place on **15th December 2012**. It was specially carried out for the T.Y.B.Sc students of our college. The response was overwhelming. **239 students participated** in the workshop. Eminent speakers from corporate sector as well as academic institutions were invited to interact with the participants. **Mr. Sameer Mahajan** from Symantec Company, **Dr. D. G. Naik** from Agharkar Institute, **Prof. Mrs. Iyer** from Symbiosis Institute of foreign Languages, **Swami Siddheshananda** from Chinmaya Mission were the speakers. For this activity **Prof. Pratul Gadagkar**, Department of Mathematics worked as a **group leader**.
4. On **6th January 2013**, **Dr. Mahesh Shindikar** from COEP delivered a talk on 'Environmental Problems and Solutions'. It was very interesting and informative. **Prof. Kalbage** from Department of Zoology conducted the activity.
5. **Science Project and Seminar**

Competition: This event was conducted for UG and PG students of our college on **22nd February 2013** in view of Science Day of the year. **Prof. Mrs. Pooja Paratane** took lot of efforts to make the activity a great success. There were six projects and six seminars. The winners were given cash prizes. **Dr. Mrs. Sushama Joag** from Department of Chemistry and **Prof.D. B. Gaikwad** from Department of Electronics worked as Judges for the Project Competition. **Prof. Narendra M. Naidu and Dr. Mrs. Shubhangi Puranik** judged the seminars.

6. Besides above activities **Science Circle activity** was conducted for Science Teachers. The following teachers delivered presentations in this activity :
Dr. R. Barmukh, Dr. Mrs. Manisha Sane, Dr. Mrs. Bhagat and Prof. Pratul Gadagkar
7. **IUCAA workshop:** A group of **40 students** from F.Y.B.Sc and S.Y.B.Sc classes was sent for a science workshop on **27th December 2012** conducted at **IUCAA campus**. Mr. Arvind Gupta, an eminent scientist guided the students. **Prof. Pratul Gadagkar** headed the group. It was a unique experience for the students.
8. A seminar was conducted by Educon Software Ltd. New Delhi on **4th December 2012** for undergraduate science students. It was an awareness lecture delivered by a faculty member of Oklahom Christian University, USA. The title of the seminar was '**2013 TOFEL Scholarships**' followed by an introduction to Oklahom Christian University, USA.
9. One of our past students **Mr. Bhuvanesh Awasthi** from Department of Zoology delivered a talk

for F.Y.B.Sc (B) students in the month of January 2013.

Chart of Winners

Quiz Contest

Prize Winners

1. Team: ARISTOTLE

Kadam Prayag XII C

Gawade Rohan XI D

Gaikwad Alka XI C

Ghanekar Omkar XI C

2. Team: ARYABHATT

Choksi Bhavin Y XII E

Mandlik Samrat A XI E

Rathod Riya R XI E

Sanap Rakesh S XI D

Project Competition :

1. Jejurkar Vishali

M.Sc (Statistics)

2. Snehal Patil & Shraddha Khatri

M.C.A

3. Samadhan Ghubade & Yogesh Brahme

M.Sc (Statistics)

Seminar Competition

1. Pallavi Shewale

(T.Y.B.Sc. Zoology)

2. Akshta Khadpekar

(M.Sc Biotech.)

3. Kuldeep More

(T.Y.B.Sc Chem.)

❖ Selected candidates for Science academics **Summer Research Fellowship Programme 2013** conducted by IAS, Bangalore :

1. Surabhi Rode, Department of Microbiology is selected at Banaras Hindu University, Varanasi.

2. Rupali Wankhede, Department of Microbiology is selected at National Institute of Plant Genetic Research, New Delhi.

❖ A project competition in Environment category entitled 'Ignited

Innovators of India' was organized by Bhau Institute of Innovations Entrepreneurship and Leadership in Association with COEP, sponsored by EATON Company on 17th March 2013. The team of Science Association volunteers headed by Salim Shaikh won the first prize. The title of the project was 'Boond'.

Dr.Nivedita Mahajan

Chairperson

Staff Academy

Objectives

- Enhancing and updating the knowledge of teachers
- Developing multidisciplinary approach among teachers
- Developing skills among teachers through various activities
- Creating awareness about the physical and mental health among teachers

Activities organized

1. Poetry Recitation for Teachers was organized on 5th October 2012.

Following teachers participated:

Dr. N.J. Kulkarni, Dr. S.K. Rahane, Dr. S.L. Tawre, Dr. M. Koranne, Dr. M. Satam, Dr. M.Jadhav, Mrs. N. Bhandari, Mrs. V. Jagtap, Mr. V.N. Gaikwad, Mrs. S. Purohit, Mrs. A. Sardesai, Mrs. V. Joshi and Mrs. Sujata Hirve.

2. A Foreign delegation visited our college to interact with faculty members on 8th Jan. 2013, with reference to student teacher exchange, MOUs, International collaborations, etc. The members of the delegation who visited our college were ;

- i) Dr. Mukund Kulkarni, Chancellor, Penn State University, Harrisburg
- ii) Dr. Gary Lawler, Chancellor, Penn State University, Hazleton.
- iii) Dr. Michael Adewumi, Vice Provost for Global programs

- iv) Ms. Nimisha Thakur, Education Abroad Advisor, Global programs
- v) Dr. Vijay Khare, Director, International Centre, UOP.

A very healthy and helpful discussion took place between the staff members of our college and the foreign delegates.

On behalf of staff academy, a workshop on "Voice Culture" was organised for teachers in August 2012. It was a three hours session to begin with, and also included three weekly follow up sessions. The resource person was an expert in the field, Mrs. Shamala Joshi. The workshop included features like problem solving for stress on vocal cords due to excessive speaking, vocal exercises, breathing exercise and training for maintaining voice quality. The entire activity was coordinated by Dr. Sushama Joag.

Dr. Madhu Satam
Chairperson

Timetable Committee

Advisors (i) Dr. A.M. Bhalerao
(ii) Dr. A.V. Deshpande

Chairman: Prof. P.S. Kapre

Vice chairman: (i) Prof. S.R. Pokharkar
(ii) Prof. M.S. Salunkhe

Committee Members: Dr. Sangita Bhagat, Prof. D. S. Mane, Prof. S. R. Hirve, Dr. R.W. Kulkarni, Dr. N. M. Patil, Prof. V. T. Shelke, Prof. Shilpa Mujumdar, Prof. S.D. Purohit, Prof. S.N. Gosavi, Prof. V.M. Sherikar, Shri. R.M. Gaikwad, Mrs. Swati Patwardhan.

Time table committee was constituted in the month of April 2012. Suggestions from various staff members were invited in writing through the Heads of the Departments. Subsequently various problems of students, administrative staff and teaching staff were discussed with college authorities.

Hence new time tables with necessary

changes were prepared in vacation. The problem relating to allotment halls to certain classes as per requirements was solved by providing three new halls seeking help of the Principal, Vice Principals and Registrar of our college. After necessary discussions and approval from the staff, the printing of time tables was carried out with the help of office staff members. (especially Mrs. Swati Patwardhan)

Subject wise time tables were also displayed at proper time. Vice-Principal Prof. S.R. Chaudhari deserves appreciation for immense help in this regard.

A special meeting was held in the department of Statistics on 6th July 2012. Following division of work was decided :

In Charge	Classes
Prof. Pokharkar S.R.	F.Y.B.Sc./S.Y.B.Sc./ T.Y.B.Sc./M.C.A.
Prof.(Mrs)Hirve S.R.	F.Y.B.Com. S.Y.B.Com/ T.Y.B.Com/M.Com and Management Courses.
Prof (Mrs) Purohit S. D.	F.Y.B.A./S.Y.B.A. T.Y.B.A./M.A.
Prof. (Mrs) Ghanekar M.S.	F.Y.B.Sc./S.Y.B.Sc./ T.Y.B.Sc (Comp. Science)/ M.C.A.
Prof. (Mrs) Bhagat Sangita	F.Y.B.Sc./S.Y.B.Sc./ T.Y.B.Sc. (Microbiology) F.Y.B.Sc./S.Y.B.Sc./ T.Y.B.Sc. (Biotechnology)
Prof. Bhome B.W.	XI and XII (Classes) All Junior Classes

During this academic year, the committee successfully carried out the given task. Necessary hall adjustments during guest lectures, functions of various associations, curricular and extra-curricular activities were carried out with minimum disturbance to other classes.

Prof. P.S. Kapre
Chairman

Add-on-Courses (2012-13) Information at a Glance

Sr. No.	Name of Course	Department	Coordinator	Batches this year
1	Animal Tissue Culture	Biotechnology	Dr.Shubhangi Puranik	05
2	Computerized Financial Accounting Programme (Tally)	Commerce	Prof.M.Moreshwar	03
3	German	German	Prof. S.V.Kuvalekar	02
4	Integrated Vermitechnology	Zoology	Mr.Narendra M.Naidu	02
5	Pharmaceutical Techniques	Microbiology	Prof.Vivek Bobade	01
6	Plant Tissue Culture	Botany	Prof.Uttam R.Wayse Prof.Pramod V.Shelar	01
7	Plant Tissue Culture	MCCG and Botany	Dr.K.D.Gopale	02
8	Seed Technology	Botany	Prof.Arati Goggi	01
9	Translation (English to Marathi)	Marathi	Dr.Snehal Tawre	01

Narendra M.Naidu
Chief Coordinator

P.G Association

The following activities were organized for the post graduate students of all faculties in our college.

Sr. No	Date	Event / Subject	Guest / Speaker
1	4th Oct 2012	Guest Lecture on "How to write a research paper"	Shri. Yogesh Dandawate Infosys. Research Officer
2	5th Oct 2012	Guest Lecture on "Communication Skills"	Ms. Vahini Muniganti Evolve Excellence, CEO
3	8th Oct 2012	One Act Play 'Einstein in Your College'	Shri. Jitendra Wankhede

Dr. Madhu Satam
Chairperson

Yuva Manch

Yuva Manch is a platform for youths to express their thoughts, develop their personality & to get knowledge from experts.

Activities of Yuva Manch

- 1) **Inaugural Function :** It was held on 28th Sept. 2012. Swami Siddheshananda from Chinmaya Mission was the Chief guest. Swamiji gave a lecture on 'Mind Management'. He explained how to control our mind through various examples. Dr. Nayana Kulkarni, Vice Principal of Arts faculty was the chairperson of this programme.

This year Yuva Manch organized three one day programmes with the support of Pune University's Adult and continuing education centre.

- 2) **First Programme** was organized on 12th Dec. 2012. The subject of this programme was Counselling. It was divided into four sessions.

In the first session Prof. Tanuja Kher from C.O.E.P. gave a lecture on self-awareness. Prof. Kher explained that one should know about one's qualities and one's weaknesses.

Second session was conducted by Dr. Vasudha Kulkarni a professor of Psychology. She gave a questionnaire to the students and then discussed about Type A & Type B Personality.

In the post lunch session Dr. Rupali Karva (Psychiatrist) gave a lecture on 'Stress Management'. She discussed various situations of stresses and explained how to release tension.

In the fourth session Prof. Amruta Oke, HOD, Psychology Department, explained what is counselling. She also encouraged the students to express their views about the whole day programme.

- 3) 4th Jan. 2013 – Organised a one day

programme on Personality Development. This programme was divided into four sessions.

First session was conducted by Smt. Alka Joshi from Lokayat (a social organization). She explained the changes in social atmosphere and told the students how to face it.

Second session was on how to develop personality. Prof. Shubhangi Joshi (Modern – B.Ed. College) was the speaker. She gave the examples of well known personalities & told us how they developed.

In the post lunch session Dr. Seema Sonis (Ayurvedic Doctor & Dietician) delivered a lecture of proper diet. She explained how to maintain fitness with the help of diet and exercises.

Fourth and last session was on beauty tips for healthy personality. Mrs. Vaishali Sonawane gave the tips for skin & hair care.

- 4) 8th March 2013 – This one day programme was specially organized for senior citizens. 50 senior citizens came from Lokmanya Humour & Senior Citizen Club

This programme too was divided in four sessions.

The first session was conducted by famous dietician Dr. Seema Sonis. She properly guided seniors about the food intake and how to take care of health in old age.

In the second session Dr. Vasudha Kulkarni gave a lecture on Dr. Bach's flower remedy especially for elderly people. She explained the seven groups of human nature and gave guidance of those flowers which are useful for mental health.

The post lunch session was on Reiki. Mrs. Reshma Gokhale a Reiki Master explained what is Reiki and how it

helps us to make peace of mind.

The last session of the day was very interesting. Shreedhar Kulkarni presented some poems. Shesha Joshi presented some songs & Rudrani Naik performed a Kirtan on Vasudev Balwant Phadke. All senior citizens were very happy and impressed.

All three programmes were successful because of the moral support of our Principal Dr. R.S. Zunjarrao. We also thank the Vice Principal of Arts faculty Dr. Nayana Kulkarni for her active participation.

Special thanks to Prof. Mrs. Jagtap, Prof. Mrs. Admane, Prof. Mrs. Pund, Prof. Mr. Sonawne, Prof. Mr. Moreshwar & Prof. Mr. Bhavate for their active support.

Prof. Mrs. S.D. Purohit
Chairperson.

Vidyarthini Manch

On 8th Jan. 2013 organized a special programme for 50 girl students. This programme was conducted with the support of Pune University's Student Welfare Centre. The title of this programme was 'Personality Development'.

First session was conducted by Dr. Mangala Pansare, Professor in English, Mamasahab Mohol College. She is dietician and gave a lecture on 'Proper diet for fitness'.

In the second session Smt. Alka Joshi from Lokayat (a social organization) gave a speech on 'Social Environment'. She gave the examples of social barriers and explained how these could be overcome.

The third session was on 'Beauty & Personality Development' Smt. Jyoti Phalak gave some beauty tips for skin & hair care.

This programme ended with delicious lunch. We thank Dr. Nayana Kulkarni, Vice Principal of Arts faculty who rendered immense moral support.

Prof. S.D. Purohit
Chairperson

Earn and Learn Scheme

Earn and Learn Scheme was started in Modern College, Pune-5 in 2001, with two students, and the expenditure amounting to Rs. 5000. This Scheme became steadily popular with more and more students participating in it. In 2012, 94 Students benefited from this Scheme and expenditure reached above four Lakhs.

College Constitutes a Committee of teaching and non-teaching staff members. Any student studying in undergraduate upto post-graduate courses in Modern College, Pune 5, can enroll for the above scheme. The enrollment for the Scheme starts in the month of July.

Students belonging to economically backward, Orphans, S.C, S.T., Minority Community are given preference. Other students can also enroll for the Scheme. Students have to fill in the form, which is scrutinized. The students enrolled on the basis & the form filled and personal interview. The students worked in 18 different departments of Modern College. The students have to attend their theory lectures, as well as practicals and in their free time, can work, maximum 4 hours, in a day, from 7 am to 6 pm. They are paid in accordance with the norms set by University of Pune, which is Rs. 20 per hour. The remuneration is deposited directly in their savings bank account, in any of the branches of Bank of Maharashtra only, in Pune. Dr. Ujlambkar, Students welfare officer is looking after 'Earn and Learn' Scheme, with the help teaching and non-teaching staff members of Modern College.

On behalf of the committee members, we are thankful for the continuous help and constant encouragement throughout the year, given by registrar, heads of department all vice-principal, secretary and principal of Modern College, Shivajinagar, Pune 5.

Dr. S.K. Ujalambkar
Students' Welfare Officer

Physical Education

Junior Wing

We are proud to state that 175 players of Junior college participated in team events as well as individual events at the Inter school and various levels for the year 2012-13 organized by District sports office & Municipal corporation.

Team events

Hockey - Boys team secured First Place in the Inter school District under 19 Championship & the team was selected for Inter Zonal Tournament which was held at Solapur .There the team secured the Third Place.

The team members were as follows,

1) Abhishek Hande (Captian)	12 th
2) Shirke Omkar	12 th
3) Katraj Ashish	11 th
4) Vinode Gaurav	11 th
5) Khandrelu Natraj	11 th
6) Ghodake Prathamesh	11 th
7) Shirurkar Mayur	11 th
8) Shinde Saurabh	11 th
9) More Suraj	12 th
10) Jawle Sanket	11 th
11) Kadam Shubham	12 th
12) Nikam Pranit	12 th
13) Jilewar Shubham	12 th

NETBALL BOYS (u-19)

Team members:

Saurabh Sandeep Taru	12 th
Akshay Ashok Takalkar	12 th
Mandar Suresh Yande	12 th
Akash Gunwant Jadhav	12 th
Harshvardhan Sunil Ghadge	12 th
Pramod Sambhaji Daund	12 th
Pruthvi Pandurang Gaikwad	12 th
Abhijit Sambhaji Shirke	12 th
Ashwin Gopal Mehdale	12 th
Saddam Emam Khanbhai	12 th
Nirajan Padmakar Chavan	12 th

Netball Boys team were the Winners in the inter school District Under 19 Championship & the team was

selected for Inter Zonal Tournament which was held at Akola,Dist.Sangamner. There the team secured the Fourth place.

INDIVIDUAL ACHIEVEMENT S

Nirvan Salave of Std.XII Div AE , secured THIRD place in Interschool Shikai Marshal &Chaikando Competition in the below 57 kg. and 54 kg group. He won the Gold Medal in State Level Competition held at Solapur in Aug. 2012.

Rushav Sahu of Std XI Div F, secured THIRD place in Interschool Taikando Competition in the below 62kg.group.

Saniya Tamboli of Std XI Div J, won the FIRST Prize in Chaikando in Interschool below 63kg. group and was selected for Zonal Competition.

Mamta Gahan of Std XI won the FIRST Prize in Shikai Marshal in Inter school below 54kg. group and was selected for Zonal Competition.

Manisha Barsawde of Std XII secured THIRD place in 200 metre Running Competition in Interschool District Athletic competition.

Tejal Sonavane of Std.XI Div D,secured the FIRST place in Wrestling District Championship and was selected for the Zonal tournament competition.Won the FIRST Place in Zonal Competition below 63kg.

Niraj Chavan of Std. XII got selected for Zonal competition in Basket Ball and also for National Competition.

Amay Gayal of Std. XII secured THIRD place in Interschool competition in 100 metre Breast Stroke for 39th Junior State Competition and 50 metre Free Style and SECOND place in Zonal Swimming Competition.

Rushikesh Sapkal Std XII secured THIRD 3rdplace in Interschool Cycling Competition.

Tushar Chopade Participated in Zonal competition of Wall Climbing. (CLASS)

Neggi Bina of Std.XI Div E, got Bronze Medal for Kickboxing in National which was held at Andhra Pradesh on 22 to 23 Aug.2012.

Radha Gokhale of Std.XI Div AE, got Silver and Bronze Medal for Ice Skating in National which was held at Shimla from 3rd to 5th Jan.2013.

INTERCLASS

This year too, the inter class tournament for the individual & team events was conducted as per our tradition.

The students from various classes participated actively. This competition was organized by our GR & sports persons.

The Result was as follows

- | | |
|----------------------|--------------------|
| 1) Football Winner | 12 th F |
| Runner-up | 11 th H |
| 2) Basketball Winner | 12 th E |
| Runner-up | 12 th F |

Individual Events

1) Badminton single- (BOYS)

- | | | |
|------------------|----------------|--------------------|
| Winner | Shailesh Patil | 12 th F |
| Runner-up | Aadesh Tajane | 11 th E |

2) Badminton single- (GIRLS)

- | | | |
|-----------------------------|-----------------|--------------------|
| Winner | Poorva Kulkarni | 11 th F |
| Runner-up | Kalyani Panse | 11 th G |
| 3rd Place | Priyanka Ausare | 11 th E |

3) Chess

- | | | |
|------------------|--------------|--------------------|
| Winner | Athrava Mule | 11 th D |
| Runner-up | Ashru Jadhav | 11 th C |

Physical Education Examination was conducted at the end of first and second term for Std XI and Std XII.

Prof. Sherikar.V.M	Prof. Dixit.P.S
Prof.Kute.D.S	Chairman
	(G.M.C)

Physical Education

Intercollegiate Participation

The department participated in 26 disciplines i.e. Badminton, Chess, Cross Country, Shooting, Swimming, Diving, Ball Badminton, Baseball, Basketball, Cricket, Cycling, Kabaddi, Football, Handball, Volleyball, Hockey, Boxing, Softball, Weight Lifting, Best Physique, Athletics, Kho-Kho, Lawn Tennis, Korfball, Table Tennis and Netball Competitions. Similarly our college has participated in various Invitational Intercollegiate Competitions. College has secured 2nd place in Kho-Kho (W), Volleyball (W), Handball (M), Korfball, Netball (M) and Third place in Kho-Kho (M), Netball (W), , and Baseball (M). College Students also bagged various medals in individual events.

Details of the participation is as follows,

Sr. No.	Level of Participation	Participation	Bronze	Silver	Gold	Total
1	District/Intercollegiate	208	31	29	3	271
2	State/Interzonal	16	5	11	7	39
3	National	11	1	1	1	14
4	International	1				1
	Grand Total	236	37	41	11	325

Interclass Competition

Interclass competitions for the promotion of the certain games and entertainment purpose were organized during 18th December 2012 to 4th January 2013. Football, Basketball, Volleyball, Badminton, Table Tennis and Chess were the events organized during this period.

Team Event Performance

1. Volleyball (M)
 - a. First Place : S.Y.B.C.S. (A) [Capt Sachin Jagtap]
 - b. Second Place : F.Y.B.B.A. [Capt Vaibhav Balwadkar]
 - c. Third Place: S.Y.B.B.A. [Capt Nikhil Mundada]
2. Volleyball (W)
 - a. First Place: F.Y.B.A. [Capt Shubhangi Patil]
 - b. Second Place : F.Y.B.Com.(C) [Capt Nikita Sharma]
3. Football
 - a. First Place: F.Y.B.Com. (D) [Capt Tejas Bombale]
 - b. Second Place : S.Y.B. A. [Capt Ganesh Kale]
 - c. Third Place: S.Y.B.B.A. [Capt Nikhil Mundada]
4. Basketball
 - a. First Place : S.Y.B.B.A. [Capt Tarandeep Singh]
 - b. Second Place: F.Y.B.Sc. (B) [Capt Abhijeet Kale]
 - c. Third Place: F.Y.B.Com. (D) [Capt Sainath Vitkar]
5. Football Saturday League
 - a. Winner: **Junior XI (Capt. Rahul Yelshetty)**
 - b. Runner-ups: **Nation XI (Capt. Abhishek Gosavi)**

Individual Event - Prize winners

Sr. No.	Name of the Player	Class	Event	Performance
1	Omkar Phadke	F.Y. B.Sc.	Badminton Doubles (M)	First Place
2	Jonathan Benn	F.Y.B.A.	Badminton Doubles (M)	Second Place
3	Ashutosh Khadpekar	F.Y. B.Sc.	Badminton Doubles (M)	Third Place
4	Shivam Pandey	F.Y. B.Sc.	Badminton Doubles (M)	Third Place
5	Bela Deshpande	F.Y.B.A.	Badminton Doubles(W)	First Place
6	Sharan Kaur	F.Y.B.A.	Badminton Doubles(W)	First Place
7	Afarin Kazi	S.Y.B.Sc.	Badminton Doubles(W)	Second Place
8	Akshata Gujrathi	S.Y.B.Sc.	Badminton Doubles(W)	Second Place
9	Brahmi Jadhav	S.Y.B.Sc.	Badminton Doubles(W)	Third Place
10	Sayali Khopade	S.Y.B.Sc.	Badminton Doubles(W)	Third Place
11	Bela Deshpande	F.Y.B.A.	Badminton Mix Doubles	First Place
12	Jonathan Benn	F.Y.B.A.	Badminton Mix Doubles	First Place
13	Pradeep Jangid	S.Y.B.Sc.	Badminton Mix Doubles	Second Place
14	Sayali Khopade	S.Y.B.Sc.	Badminton Mix Doubles	Second Place
15	Sharan Kaur	F.Y.B.A.	Badminton Mix Doubles	Third Place
16	Omkar Phadke	F.Y. B.Sc.	Badminton Single (M)	First Place
17	Jonathan Benn	F.Y.B.A.	Badminton Single (M)	Third Place

18	Bela Deshpande	F.Y.B.A.	Badminton Single (W)	First Place
19	Diksha More	F.Y.B.C.S.	Badminton Single (W)	Second Place
20	Omkar Shirish Marahte	F.Y.B.C.A	Chess	First Place
21	Jithin. K. Jose	S.Y.B.C.A.	Chess	Second Place
22	Abhijeet Dhanedhar	F.Y.B.A.	Chess	Third Place
23	Shivam Pandey	F.Y. B.Sc.	Table Tennis (M)	First Place
24	Akshay Bahirat	S.Y. B.B.A.	Table Tennis (M)	Second Place
25	Nikhil Mundada	S.Y. B.B.A.	Table Tennis (M)	Third Place
26	Akshay Bahirat	S.Y. B.B.A.	Table Tennis Doubles(M)	First Place
27	Nikhil Mundada	S.Y. B.B.A.	Table Tennis Doubles(M)	First Place
28	Ashutosh Khadpekar	F.Y. B.Sc.	Table Tennis Doubles(M)	Second Place
29	Shivam Pandey	F.Y. B.Sc.	Table Tennis Doubles(M)	Second Place
30	Abhijeet Kale	F.Y. B.Sc.	Badminton Doubles (M)	First Place
31	Anurag Nambiyar	F.Y. B.Sc.	Badminton Doubles (M)	Second Place
32	Anurag Nambiyar	F.Y. B.Sc.	Badminton Mix Doubles	Third Place
33	Anurag Nambiyar	F.Y. B.Sc.	Badminton Single (M)	Second Place
34	Nikita Sharma	F.Y.B.Com.	Badminton Single (W)	Third Place

Football League

Consecutively for second year we successfully organized Saturday Football League. Students from junior and senior wings jointly played and organized the events. Six teams each containing at least four players from junior and senior wings played for their respective teams. Junior XI and Nation XI bagged the Winner and Runners up title respectively.

Coaching Camp

College organized special coaching camps for Volleyball, Netball, Softball and Baseball for the skill and strategic development of the players. These efforts gave results by placing college teams in good position in Intercollegiate Competitions.

Softball and Baseball Scorer Workshop

For the development of the player on the field and off the field technical inputs are very important. In this regard college and Pune District Softball Association jointly organized four day Scorer workshop in which one day was devoted to theory work and remaining three days for practical aspects. Total 43 students from different colleges participated in the workshop. Mr. Yogenkumar Ysher from Pune and Mr. Parag Wadhavkar from Hyderabad worked as experts.

Organization of Intercollegiate Sports

Basketball (M/W)

Intercollegiate Basketball (M/W) event was organized during 3rd September 12th September 2012. 26 men's teams and 22 women's team from Pune City participated in this event. Principal Dr. Rajendra Zunjarrao inaugurated the event.

Korfball

A Korfball competition was organized on 30th November 2012. Chandrashekhar Agashe

College lifted the championship trophy and our College bagged the runners up trophy. Tournament was inaugurated at the hands of Prof. Mansing Salunkhe.

Cycling

Intercollegiate Cycling competitions were organized by our college at Shiv Chhatrapati Stadium, Balewadi, on 20th September 2013. 20 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.

Interzonal Sports

Interzonal Basketball (W) tournament was organized by our college on 17th and 18th October 2012. Chief Guest for the opening ceremony was Dr. Deepak Mane, Director of Board of Sports, Pune University, and the tournament was inaugurated by Dr. R.S. Zunjarrao. Four Teams from Pune University i.e. Pune City, Pune District, Ahmednagar and Nashik participated. Pune city won the title.

Modern Harmony 2012-13

Modern Harmony 2012 i.e. MH12 Sports Festival was organized from 12th January to 19th January 2013. Double knock out system for the first time in intercollegiate tournament history was implemented to identify the real winner of the tournament. Festival started on 12th January 2013 with Volleyball. Basketball, Five-a-Side Football and Best Physique competitions were organized in this festival.

Gymkhana Association

Gymkhana Association was inaugurated on 23/10/2012 on the occasion of Vijaya Dashmi. Prof. Dr. Rajendra Zunjarrao, Vice Principal Prof. Shamkant Deshmukh, Prof. S.R. Chaudhari, Prof. Prakash Dixit, Chairman Gymkhana Committee and various members of Gymkhana Committee were present on this occasion.

Fitness Assessment of the College Staff

Fitness assessment of the staff members was conducted on 12th January 2013 for staff members of main Unit and on 19th January 2013 for the BBA/BCA staff, on the occasion of National Youth Week celebration. More than 150 Staff members participated in this testing program.

Sports Scholarship

This year following players received the Sports Scholarship :

Rohit Suresh Ingavale, Pranit Vijay Shinde, Pratik Bharat Apune, Deepika Shantaram Jambukar, Chetan Baramatikar, Shetty A.A., Sayali V. Kardekar, Vishal Vasant Muluk, Shital Laxman Yadav, Prafulla Arun Rokade and Tejas Vinay Khivsare.

Annual Prize Distribution "Gymkhana Day"

Annual Prize distribution i.e. "Gymkhana Day" was organized on 20th February 2013. International shooting player Mr. Sandep Tarate was the chief guest and Dr. Rajendra Zunjarrao presided the function. The prizes were distributed to the following players..

Intercollegiate Level Performers

- | | | | |
|----|---|-------------------|-----------------|
| 1. | Aaditya Joshi | S.Y.B.C.S. | Baseball |
| | a. Intercollegiate Baseball Competition | | Third Place |
| 2. | Ajit Pawar | F.Y.B.B.A. | Kho-Kho |
| | a. Intercollegiate Kho-Kho Competition | | Third Place |

3.	Aashish Phadake	S.Y.B.Com.	Kho-Kho
	a. Intercollegiate Kho-Kho Competition		Third Place
4.	Pooja Bandawane	F.Y.B.Sc.	Netball
	a. Intercollegiate Netball Competition		Third Place
5.	Gaurav Shetty	S.Y.B.Com.	Baseball/Netball
	a. Intercollegiate Baseball Competition		Third Place
	b. Intercollegiate Netball Competition		Second Place
6.	Harshal Rathi	S.Y.B.Com.	Baseball
	a. Intercollegiate Baseball Competition		Third Place
7.	Hrishikesh Haldar	F.Y.B.Com.	Baseball
	a. Intercollegiate Baseball Competition		Third Place
8.	Lipne Navnath	T.Y.B.Com.	Kho-Kho
	a. Intercollegiate Kho-Kho Competition		Third Place
9.	Mayur Auti	F.Y.B.Com.	Kho-Kho
	a. Intercollegiate Kho-Kho Competition		Third Place
10.	Mayur Deshpande	F.Y.B.Sc.	Kho-Kho
	a. Intercollegiate Kho-Kho Competition		Third Place
11.	Mhetre Yadav	F.Y.B.Com.	Kho-Kho
	a. Intercollegiate Kho-Kho Competition		Third Place
12.	Omkar Kotalkar	Baseball	
	a. Intercollegiate Baseball Competition		Third Place
13.	Prakash Patil	F.Y.B.Com.	Baseball
	a. Intercollegiate Baseball Competition		Third Place
14.	Pranav Zarekar	F.Y.B.Com.	Kho-Kho
	a. Intercollegiate Kho-Kho Competition		Third Place
15.	Pranay Chavan	F.Y.B.Com.	Kho-Kho
	a. Intercollegiate Kho-Kho Competition		Third Place
16.	Rachel Papabhathini	F.Y.B.Sc.	Netball
	a. Intercollegiate Netball Competition		Third Place
17.	Rajesh Rajpurohit	Baseball	
	a. Intercollegiate Baseball Competition		Third Place
18.	Ratnadeep Londhe	T.Y.B.Com.	Baseball
	a. Intercollegiate Baseball Competition		Third Place
19.	Rohan More	T.Y.B.C.A.	Swimming
	a. 400 M Free Style		3 rd Place
20.	Samuel Ujagare		Baseball
	a. Intercollegiate Baseball Competition		Third Place
21.	Shubham Sharma	F.Y.B.Com.	Baseball
	a. Intercollegiate Baseball Competition		Third Place
22.	Shubham Ghadage	F.Y.B.Com.	Kho-Kho
	a. Intercollegiate Kho-Kho Competition		Third Place
23.	Tushar Varal	F.Y.B.Com.	Baseball

24.	Vikrant Jagtap	M.A. I	Third Place
	a. Intercollegiate Baseball Competition		Baseball
25.	Abhijeet Kale	F.Y.B.Sc.	Third Place
	a. Intercollegitae Handball Competition		Handball/Badminton
26.	Abhilesha Bandal	F.Y.B.Com.	2 nd Place
	a. Intercollegiate Volleyball Competition		Volleyball
27.	Ambika Bharamnor	F.Y.B.Com.	2 nd Place
	a. Intercollegiate Kho-Kho Competition		Kho-Kho
28.	Anuja Purohit	T.Y.B.Com.	2 nd Place
	a. Intercollegiate Kho-Kho Competition		Kho-Kho
29.	Anurag Nambiyar	F.Y.B.Sc.	2 nd Place
	a. Intercollegiate Netball Competition		Netball/Badminton
30.	Deepa More	F.Y.B.Com.	2 nd Place
	a. Intercollegiate Volleyball Competition		Volleyball
31.	Jonathan Benn	F.Y.B.A.	2 nd Place
	a. Intercollegiate Netball Competition		Netball/Badminton
32.	Kalpana More	M.A. I	2 nd Place
	a. Intercollegiate Kho-Kho Competition		Kho-Kho
33.	Kalyani Mahadik		2 nd Place
	a. Intercollegiate Volleyball Competition		Volleyball
34.	Kalyani Lonari	F.Y.B.Com.	2 nd Place
	a. Intercollegiate Kho-Kho Competition		Kho-Kho
35.	Manali Deshmukh		2 nd Place
	a. Intercollegiate Volleyball Competition		Volleyball
36.	Mayur Kambale	T.Y.B.C.A.	2 nd Place
	a. Intercollegiate Boxing Competition		Boxing
37.	Nikita Sharma	F.Y.B.Com	2 nd Place
	a. Intercollegiate Volleyball Competition		Volleyball/Badminton
38.	Shubhangi Patil	F.Y.B.A.	2 nd Place
	a. Intercollegiate Volleyball Competition		Volleyball/Kho-Kho
	b. Intercollegiate Invitational Volleyball Competition		1 st Place
	c. Intercollegiate Kho-Kho Competition		2 nd Place
39.	Minal Pinjan	F.Y.B.Com.	2 nd Place
	a. Intercollegiate Korfball Competition		Netball/Korfball
	b. Intercollegiate Netball Competition		3 rd Place
40.	Prasanna Deshmukh	F.Y.B.A.	2 nd Place
	a. Intercollegitae Handball Competition		Handball
41.	Priyanka Gaikwad	F.Y.B.Com.	2 nd Place
	a. Intercollegiate Kho-Kho Competition		Kho-Kho
42.	Rohit Ingavale	T.Y.B.Com.	2 nd Place
	a. Intercollegitae Handball Competition		Handball/Netball

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| | b. Intercollegiate Netball Competition | 2 nd Place |
| 43. | Roshani Yadav | Volleyball |
| | a. Intercollegiate Volleyball Competition | 2nd Place |
| 44. | Sharayu Kakade | Volleyball |
| | a. Intercollegiate Volleyball Competition | 2nd Place |
| 45. | Vinita Pimparikar F.Y.B.Com. | Kho-Kho |
| | a. Intercollegiate Kho-Kho Competition | 2nd Place |
| 46. | Vrushali Ghate F.Y.B.Com. | Kho-Kho/Volleyball |
| | a. Intercollegiate Volleyball Competition | 2nd Place |
| | b. Intercollegiate Kho-Kho Competition | 2nd Place |
| 47. | Nikita Pawase S.Y.B.Sc. | Kho-Kho/Volleyball |
| | a. Intercollegiate Volleyball Competition | 2nd Place |
| | b. Intercollegiate Kho-Kho Competition | 2nd Place |

Interzonal/State Level Performers

- | | | |
|----|---|--------------------------|
| 1. | Bhagyashree Mohite T.Y.B.A. | Athletics |
| | a. Intercollegiate Athletics Championship | Javelin Throw 2nd Place |
| | b. Pune District Athletics Championship | Javelin Throw 2nd Place |
| | c. Pune District Athletic Championship | Hammer Throw 2nd Place |
| | d. Maharashtra State Athletics Championship | Balewadi 2nd Place |
| 2. | Snehal Sawant S.Y.B.Com. | Weight-Lifting |
| | a. District Weight-Lifting Championship | 1st Place |
| | b. Interzonal Weight Lifting Competition | Shrirampur 2nd Place |
| | c. Junior State Weight Lifting Championship | Murtajapur 2nd Place |
| | d. Junior State Weight Lifting Championship | Talegaon 3rd Place |
| | e. Senior State Championship | Kalyan 2nd Place |
| 3. | Akash Zambare S.Y.B.A. | Handball |
| | a. Intercollegiate Handball Competition | 2nd Place |
| | b. Interzonal Handball Competition | Otur Participation |
| | c. State under 19 Handball Competition | Sawantwadi Participation |
| 4. | Chetan Baramatkar T.Y.B.Com. | Baseball/Softball |
| | a. Intercollegiate Baseball Competition | 3rd Place |
| | b. State Softball Championship | Malvan 3rd Place |
| 5. | Prasad Bhadale F.Y.B.A. | Handball |
| | a. Intercollegiate Handball Competition | 2nd Place |
| | b. Interzonal Handball Competition | Otur Participation |
| | c. State under 19 Handball Competition | Sawantwadi Participation |
| 6. | Vaibhav Balwadkar F.Y.B.B.A. | Baseball/Softball |
| | a. Intercollegiate Baseball Competition | 3rd Place |
| | b. State Softball Championship | Malvan 3rd Place |
| 7. | Sagar Jathar F.Y.B.Sc. | Baseball/Softball |
| | a. Intercollegiate Baseball Competition | 3rd Place |
| | b. State Softball Championship | Malvan 3rd Place |

d.	Interzonal Netball Competition	Nashik	1st Place
e.	All India Inter University Korfball Championship	Jammu	Participation
f.	All India Inter University Netball Competition	Kurukshetra	Selection
4.	Akash Barkul S.Y.B.Com.	Shooting (Air Rifle)	
a.	Interzonal Air Rifle Shooting Championship	Nashik	5th Place
b.	56th National Air Rifle Shooting Championship	Delhi	Participation
5.	Prafulla Rokade T.Y.B.Com.	Netball/Korfball	
a.	Intercollegiate Netball Competition		2nd Place
b.	Intercollegiate Korfball Competition		2nd Place
c.	Interzonal Korfball Competition	Nashik	1st Place
d.	Interzonal Netball Competition	Chakan	3rd Place
e.	All India Inter University Korfball Competition	Jammu	Participation
6.	Deepika Jambukar	S.Y.B.Com.	Cycling
a.	Intercollegiate Cycling Competition		5th Place
b.	Interzonal Cycling Competition	Ahemednagar	Participation
c.	All India Inter University Cycling Competition	Trivendram	Participation
d.	Federation National Road Race Championship	Bihar	Participation
e.	Federation National MTB Championship	Pune	Participation
7.	Kunal Shinde F.Y.B.Com.	Chess	
a.	Central Bank Fide Rating Competition	Vadodara	
8.	Swapnil Jarande F.Y.B.Sc.	Softball/Baseball/Netball	
a.	Intercollegiate Netball Competition		2nd Place
b.	Intercollegiate Korfball Competition		2nd Place
c.	Interzonal Korfball Competition	Nashik	1st Place
d.	Interzonal Netball Competition	Chakan	3rd Place
e.	All India Inter University Netball Competition	Kurukshetra	Selection
9.	Vishal Muluk M.Com. II	Korfball/ Handball/Netball	
a.	Intercollegiate Handball Competition		2nd Place
b.	Intercollegiate Netball Competition		2nd Place
c.	Intercollegiate Korfball Competition		2nd Place
d.	Interzonal Korfball Competition	Nashik	1st Place
e.	Interzonal Netball Competition	Chakan	3rd Place
f.	All India Inter University Netball Competition	Kurukshetra	Selection
g.	All India Inter University Korfball Competition	Jammu	Participation
10.	Sheetal Yadav T.Y.B.Com	Lawn Tennis	
a.	Intercollegiate Lawn Tennis Championship		Participation
b.	Interzonal Lawn Tennis Championship		1 st Palce
c.	All India Inter University Championship	Warangal	Participation
11.	Deepali Gaikwad M.A. I	Kho-Kho	
a.	Intercollegiate Kho-Kho Competition		3 rd Place
b.	Interzonal Kho-Kho Championship	Baramati	2 nd Place

a.	Intercollegiate Handball Competition		2 nd Place
b.	Interzonal Handball Competition	Otur	Participation
20.	Prashant Arsul S.Y.B.Com.	Handball	
a.	Intercollegiate Handball Competition		2nd Place
b.	Interzonal Handball Competition	Otur	Participation
21.	Vicky Chaudhari F.Y.B.C.A.	Cycling	
a.	Intercollegiate Cycling Competition		5th Place
b.	Interzonal Cycling Competition	A'Nagar	Participation
22.	Vijay Gaikwad F.Y.B.A.	Boxing	
a.	Intercollegiate Boxing Competition		1st Place
b.	Interzonal Boxing Competition	Wagholi	Selection
23.	Ajit Bhalerao S.Y.B.Com.	Baseball/Softball	
a.	Intercollegiate Baseball Competition		3rd Place
b.	Interzonal Softball Championship	Sangamner	1st Place
24.	Niraj Inamdar F.Y.B.Com.	Kho-Kho/Athletics	
a.	Intercollegiate Kho-Kho Competition		3rd Place
b.	Intercollegiate Athletics Competition High Jump		2nd Place
c.	Interzonal Athletics Competition High Jump	Baramati	Participation
25.	Prachi Kurkute S.Y.B.Com.	Netball/Korfball	
a.	Intercollegiate Korfball Competition		2nd Place
b.	Intercollegiate Netball Competition		3rd Place
c.	Interzonal Korfball Competition	Nashik	1st Place
26.	Rohit Kadam SYBA	Wrestling	
a.	Sinhagad Kesari		1st Place
27.	Pranit Shinde - T.Y.B.Com. - Netball/Korfball/ Baseball/Handball		
a.	Intercollegiate Netball Competition		2nd Place
b.	Intercollegiate Handball Competition		2nd Place
c.	State Korfball Competition	Chandrapur	2nd Place
d.	Intercollegiate Baseball Competition		3rd Place
28.	Kalpesh Thombare	F.Y.B.B.A Taekondo	
a.	State Taekondo Championship	Gujarat	3rd Place
National & Inter University Level Performers			
1.	Pavitra Pawar F.Y.B.A.	Kick Boxing/Thigh Boxing	
a.	District Thigh Boxing Championship		1st Place
b.	National Kick Boxing Championship	Haryana	2nd Place
2.	Priyanka Patil F.Y.B.A.	Kick Boxing	
a.	National Kick Boxing Championship	Haryana	2nd Place
3.	Aishwarya Shetty S.Y.B.Com.	Korfball/Netball	
a.	Intercollegiate Korfball Competition		2nd Place
b.	Intercollegiate Netball Competition		3rd Place
c.	Interzonal Korfball Competition	Nashik	1st Place

d.	Interzonal Netball Competition	Nashik	1st Place
e.	All India Inter University Korfball Championship	Jammu	Participation
f.	All India Inter University Netball Competition	Kurukshetra	Selection
4.	Akash Barkul S.Y.B.Com.	Shooting (Air Rifle)	
a.	Interzonal Air Rifle Shooting Championship	Nashik	5th Place
b.	56th National Air Rifle Shooting Championship	Delhi	Participation
5.	Prafulla Rokade T.Y.B.Com.	Netball/Korfball	
a.	Intercollegiate Netball Competition		2nd Place
b.	Intercollegiate Korfball Competition		2nd Place
c.	Interzonal Korfball Competition	Nashik	1st Place
d.	Interzonal Netball Competition	Chakan	3rd Place
e.	All India Inter University Korfball Competition	Jammu	Participation
6.	Deepika Jambukar S.Y.B.Com.	Cycling	
a.	Intercollegiate Cycling Competition		5th Place
b.	Interzonal Cycling Competition	Ahmednagar	Participation
c.	All India Inter University Cycling Competition	Trivendram	Participation
d.	Federation National Road Race Championship	Bihar	Participation
e.	Federation National MTB Championship	Pune	Participation
7.	Kunal Shinde F.Y.B.Com.	Chess	
a.	Central Bank Fide Rating Competition	Vadodara	
8.	Swapnil Jarande F.Y.B.Sc.	Softball/Baseball/Netball	
a.	Intercollegiate Netball Competition		2nd Place
b.	Intercollegiate Korfball Competition		2nd Place
c.	Interzonal Korfball Competition	Nashik	1st Place
d.	Interzonal Netball Competition	Chakan	3rd Place
e.	All India Inter University Netball Competition	Kurukshetra	Selection
9.	Vishal Muluk M.Com. II	Korfball/ Handball/Netball	
a.	Intercollegiate Handball Competition		2nd Place
b.	Intercollegiate Netball Competition		2nd Place
c.	Intercollegiate Korfball Competition		2nd Place
d.	Interzonal Korfball Competition	Nashik	1st Place
e.	Interzonal Netball Competition	Chakan	3rd Place
f.	All India Inter University Netball Competition	Kurukshetra	Selection
g.	All India Inter University Korfball Competition	Jammu	Participation
10.	Sheetal Yadav T.Y.B.Com	Lawn Tennis	
a.	Intercollegiate Lawn Tennis Championship		Participation
b.	Interzonal Lawn Tennis Championship		1 st Place
c.	All India Inter University Championship	Warangal	Participation
11.	Deepali Gaikwad M.A. I	Kho-Kho	
a.	Intercollegiate Kho-Kho Competition		3 rd Place
b.	Interzonal Kho-Kho Championship	Baramati	2 nd Place

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| c. | All India Inter University Kho-Kho Championship JNDU, Amritsar | Participation |
| 12. | Prafullakumar Bansod - M.C.A. III - Volleyball/Diving/Tennis Volleyball | |
| a. | National Tennis Volleyball Championship | Puducherry Participation |
| b. | Volleyball Senior State | Wardha Participation |
| c. | Intercollegiate Diving Competition | 1st Place |
| d. | Interzonal Diving Competition | Nashik Participation |
| 13. | Sayali Kardekar M.Com. I Volleyball | |
| a. | Intercollegiate Volleyball Competition | 2nd Place |
| b. | Interzonal Volleyball Competition | Baramati 1st Place |
| c. | Senior State Championship | Wardha 3rd Place |
| d. | Inter Unioversity Ashwamedh Competition | Nagpur 1st Place |

International Level Prize Participants

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| 1. | Rohan Joshi S.Y.B.Com. | Chess |
| a. | Fide International Rating Tournament | Sangali 1st Place |
| b. | Intercollegiate Chess Competition | Participation |
| c. | Interzonal Chess Competition | 1st Place |
| d. | All India Open Chess Championship | A'Nagar 8th Place |
| e. | PCMC Mayor's Chess Trophy | PCMC 3rd Place |
| f. | 11th Parsvnath Delhi International Chess Festival 2013 | Delhi Participation |

Dr. Deepak Shendkar
Director

Prof. P.G. Dixit
Chairman, GMC

Study Group for Use of Innovative Pedagogic Methods

Taking cognizance of the research and development in the field of education, a study group of teachers was formed this year for use of Innovative pedagogic methods at College level. Thirty two teachers from all the faculties and wings of the college got enrolled as members. The four meetings of the group were interactive sessions conducted by Dr. Lalita Agashe, Editor, Newsletter of IASCE (International Association for Study of Cooperation in Education). Innovative pedagogic methods like pairing technique, concept chart were introduced to the members. Many of the members implemented these techniques in their classes, and shared their experience with the other members during the following meetings.

This years activities of the studygroup culminated in organization of an **Intercollegiate Workshop on Cooperative Learning Applied to Classroom, on 8th February 2013**. The workshop was conduted by an international resource person Dr. Yael Sharan, Director, GRIP, Israel, jointly with Dr. Lalita Agashe. Out of the total 50 teachers taking benefit of the workshop, 14 were from other colleges in Pune, Talegaon and Gargoti. Prof. R.M. Jagtap, Dr. K. Badve, Prof. S. Phadnis and Prof. R. Bhalerao worked as members of the organizing committee of the workshop.

Activities of this newly formed study group served the purpose of creating awareness in the minds of teachers about the need for use of newer pedagogic methods at college level and also provided them a way to achieve it.

Dr. Sushama Joag
Coordinator

Prize distribution committee

S.No.	Name of member	S.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 Deepali
5	Prof. Bhandare Nisha	17	Prof. Mahajan Nivedita
6	Prof. Gaikwad D.B	18	Prof. Mujumdar Shilpa
7	Prof. Gangarde S.S.	19	Shri Navale Nilesh (office)
8	Prof. Gopale K.D	20	Prof. Patil Neeta
9	Prof. Ingole R.N.	21	Prof. Sherkhane L.M. (advisor)
10	Prof. Jagtap V.K.	22	Prof. Suryavanshi Vinod
11	Prof. Joshi Vandana	23	Prof. Vengurlekar Deepali
12	Shri. Kale V.V. (office)		

Annual Prize Distribution (Academic) was organized on **Monday, 21st Jan.2013**. **Prof. Dr. Pandit Vidyasagar, Department of Physics, University of Pune** 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.

LIST OF THE PRIZE WINNERS 2012-13

Sr. No.	Name of the Student	Criteria	Name of the Prize
A	Students of XI Class		
1	Neel Akshay Bapu	Boy from Modern High School(Marathi Medium) Pune 5 with highest total at X	Late Govind Nirgudkar scholarship
2	Amup Meghana Jaysingh	Girl from P. E. S.'s Girls High School Pune 5 with highest total at X	Late Seetabai Nirgudkar scholarship
3	Amup Meghana Jaysingh	Student from a school of P. E. S. with highest total at X (All)	Dwarika Sangamnerkar Prize
B	Students Passing XI Arts		
1	Gokhale Omkar	Highest Total at XI Arts	Staff Fund Prize
C	Student Passing from XI Commerce		
1	1) Shah Darshan 2) Paliwar Akanksha	Highest total at XI Commerce	Late Vinod Narayan Ekbote Prize Staff Fund Prize
2	1) Munjawar Anjum 2) Rathod Rinku	Highest marks in S. P. at XI Comm	G. D. Nargund Prize
3	1) Shah Darshan 2) Gosavi Asmita	Highest marks in Book – Keeping & Accountancy at XI Commerce	Late Prof. Jyotsna Godbole Prize

D Students Passing XI Science			
1	Gaikwad Amit	Highest total at XI Science Exam.	Staff Fund Prize
2	Gaikwad Amit	Securing highest marks at Physics at XI Science	Dwarkabai Parasnis Prize
3	Gaikwad Amit	Securing highest marks in Mathematics at XI Science	Late Shri Balkrishna Likhite Prize
4	Gaikwad Amit	Securing highest marks in Chemistry at XI Science	Late Shri Balkrishna Likhite Prize
E Students Passing XII Exam.(Arts / Science / Commerce)			
1	Kelkar Rucha Satyajit	Securing highest marks in Marathi at XII	1) Late Gauribai Mahadev Sidhaye Prize 2) Scholar Batch Prize
2	Ahiwale Shruti Kishor	Securing highest marks in English at XII	Scholar Batch Prize
3	1) Oswal Rutuj 2) Jagtap Supriya	Securing highest marks in Hindi at XII	Scholar Batch Prize
4	1) Ghadigaonkar Ujjwala 2) Shelke Snehal	Securing highest marks in Sanskrit at XII	1) Late Shreepad Malhar Joshi Prize 2) Pralhad Nimbraj Satbhai Prize 3) Scholar Batch Prize
5	1) Deshpande Amita 2) Nair Gitanjali	Securing highest marks in German at XII	1) Late Shreepad Malhar Joshi Prize 2) Scholar Batch Prize
6	1)Surve Rutuja 2)Padwal Digambar	Securing highest marks in Geography at XII	New Scholar Batch Prize
7	Deshpande Bela A.	Securing highest marks in Economics at XII	New Scholar Batch Prize
8	Dhumal Priyanka Sanjay	Securing highest marks in History at XII	New Scholar Batch Prize
9	Dhumal Mahesh Rohidas	Securing highest marks in Politics at XII	New Scholar Batch Prize
10	Suryavanshi Swarali Balaji	Securing highest marks in Psychology at XII	New Scholar Batch Prize
F Students Passing XII Arts			
1	Padwal Digambar Maruti	Highest Total at XII Arts	1) Staff Fund Prize 2) Scholar Batch Prize 3) Balkrishna Rasane Prize
2	Padwal Digambar Maruti	Highest Total at XII Arts & admission to F.Y. B. A. in this college	Vasudevrao Tatke Prize

G Students Passing from XII Commerce			
1	Jain Shashi Pradeep	Highest total at XII Commerce	Late Vinod Narayan Ekbote Prize Balkrishna Rasane Prize
2	Jain Shashi Pradeep	Boy with highest total at XII Comm.	1. Vasudevrao Tatke Prize 2. Late Jyotsna Godbole Prize
3	Naikade Monika Balasaheb	Girl with highest total at XII Comm	Late Jyotsna Godbole Prize
4	Vadnere Neha Sudhir	Highest marks in Mathematics at XII Comm.	1) A.P.Phadke Prize 2) New Scholarship Prize
5	1)Vadnere Neha Sudhir 2) Shah Charul Chetan	Highest marks in Book – Keeping & Accountancy at XII Commerce	1) Late Jyotsna Godbole Prize 2) Scholar Batch Prize
6	Naikade Monika Balasaheb	Securing highest marks in Secretarial Practic at XII comm	1) Nargund Prize 2) New Scholar Batch Prize
7	Oswal Rushab V.	Securing highest marks in Organisation Of Commerece and Management at XII comm	New Scholar Batch Prize
8	Shah Charul Chetan	Securing highest marks in Information Technology XII comm	New Scholar Batch Prize
H Student Passing from XII Science			
1	Karyakarte Soham Sandip	Highest total at XII Science	1) Vasantrao Sukhtankar Prize 2) Balkrishna Rasane Prize 3) Late Raobahadur D. Balwant Prize 4) New Scholar Batch Prize
2	Kelkar Rucha Satyajit	Highest total at XII Science & admission to F.Y.B. Sc./ F.Y.B.C.S. in this college	1) Vasudevrao Tatke Prize 2) Nirmala Potnis Prize
3	Karyakarte Soham Sandip	Highest marks in Mathematics at XII Science	1) A. P. Phadake Prize 2) Kamalabai Panase Prize 3) Scholar Batch Prize 4) Late shri Balkrishna Likhite Prize

4	Deshpande Amita Vijay	Highest marks in mathematics at XII Science amongst students from NCL English Medium School	Pilot Officer Late Ganesh Mate Prize
5	Karyakarte Soham Sandip	Highest marks in Physics at XII Science	Scholar Batch Prize
6	Aditya Krishanswamy	Highest marks in Chemistry at XII Science	1) Late shri Balkrishna Likhite Prize 2) Scholar Batch Prize
7	Shelke Snehal Babasaheb	Highest marks in Biology at XII Science	Scholar Batch Prize
8	Karyakarte Soham Sandip	Highest marks in PCM group at XII Science	Late Dr. D. K. Atre Prize
9	Mayekar Vaishnav Vijay	Highest marks in Computer Science at XII Science	New Scholar Batch Prize
10	Achole Nikhil Pradeep	Highest marks in Electronic Science at XII Science	New Scholar Batch Prize
11	Deo Nidhi Sunil	Highest marks in Information Technology at XII Science	New Scholar Batch Prize
12	Karyakarte Soham Sandip	Highest marks at XII Science, Merit admission to Engineering	R.B.Wagale Memorial Prize
I Students Passing FYBA			
	Kimaya Manohar	Highest total at FYBA Highest marks in General English at FYBA & admission to Special English at SYBA in this college	Staff Fund Prize Late Gopal Yashawant Parab Prize
J Students Passing SYBA			
	Mr. Adsul Aniket Sanjay Narayan Jogdand	Highest total at SYBA Highest marks in History (Special / General) at SYBA and admission to TYBA in this College	Staff Fund Prize Late Sumatibai Hariramaji Bhiwagade Prize
K Students Passing TYBA			
1	Ms. Edirisinghe Pamodi	Highest Total at TYBA (Marks out of 1200)	1) Staff Fund prize 2) Past Students Prize 3) Late V.V.Pandit Prize 4) Memento

2	Ms. Ankita Shinde	Highest marks in Special English at TYBA (Marks out of 300)	Late Balkrishna Savalaram Rasane Prize
3	Madhe Nilima Martand	Highest Marks in Special Marathi At TYBA (Marks Out of 300)	1) Late Balnath Shankar Pathak Prize 2) Narayan Chepe Prize
L Student Passing FYBSc			
1	Farad Bhakti Mahadev	Highest total at FYBSc	Staff Fund Prize
2	Farad Bhakti Mahadev	Highest marks at FYBSc in A Group (Mathematics Group) (Marks out of 1200)	Narayanrao Bhagawat Prize
3	Kirtiwar Saili Vishal	Highest marks at FYBSc in B Group (Biology Group) (Marks out of 1200)	Narayanrao Bhagawat Prize
4	Farad Bhakti Mahadev	Highest marks in Mathematics at FYBSc	Laxmibai Tatke Prize
5	Farad Bhakti Mahadev	Highest marks in Chemistry at FYBSc and admission to SYBSc in this college	Dr. K. S. Kale Sponsored Prize
6	Farad Bhakti Mahadev	Highest marks in Statistics at FYBSc only	Vishvanath Ramchandra Dhongade Prize
M Students Passing SYBSc			
1	Tanushree Bhandari	Highest total at SYBSc	Staff Fund Prize
2	Muluk Priyanka Ashok	Highest marks in Physics at SYBSc	Ravishankar Rasane Prize
3	Patil Rahul Gokul	Highest marks in Electronics at SYBSc	Balkrishna Savalaram Rasane Prize
4	Muluk Priyanka Ashok	Highest marks in Statistics at SYBSc	Late Indirabai Chirputkar Prize
5	Muluk Priyanka Ashok	Highest marks in Mathematics at SYBSc	Prof. Pramila Chikate sponsored Prize
6	Kardile Rahul Dadabhau	Highest marks in Chemistry at SYBSc & admission to TYBSc in this college	Sadashiv Vishwanath Jog Prize
7	Ashwini Khollam	Highest total at SYBSc & student of this college from XI to TYBSc	Matoshree Yashodabai Gadgil Paluskar Scholarship
8	Tanushree Bhandari	Highest marks in Microbiology at SYBSc	Mrs. Sahmala Huddekar Prize sponsored by Dr. Shilpa Mujumdar

N Students Passing TYBSc / TYBCS			
1	Sachin Gunjal	Highest total at TYBSc (Mathematics) Out of 1200	1) S. K. Argade Prize 2) Pralhad Nimbraj Satbhai Prize
2	Akhade Jyoti N.	Highest total at TYBSc (Statistics) Out of 1200	1) Nirmala Potnis Prize 2) Past Student Prize
3	Mr. Pawar Abhijeet	Highest total at TYBSc (Physics) Out of 1200	1) Ravishankar Rasane Prize 2) Late Prakash Bhagawat Prize 3) Department of Physics Prize
4	Ms.Tamboli Nazneen	Highest total at TYBSc (Electronics) Out of 1200	Balkrishna Rasane Prize
5	Gauri Sonawane	Highest total at TYBSc (Chemistry) Out of 1200	1) Sadashiv Vishwanath Jog Prize 2) Principal B. V. Bhide Prize
6	Gauri Sonawane	Highest total at TYBSc (Chemistry) Out of 900	Late Mai Bhide Prize
7	Ganesh Deepak Mankar	Highest total at TYBSc (Botany) Out of 1200	Late Dr. V. D. Vartak Prize
8	Manali Gudmetti	Highest total at TYBSc (Zoology) Out of 1200	Prof. Mora Teja Chauhan Prize
9	Mr. Sagar Shinde	Highest total at TYBCS Computer Science (marks Out of 1200)	1) Staff Fund Prize 2) Memento
10	Muluk Priyanka Ashok	Deserving needy & Good in academics Student of TYBSc Statistics	Dr. Mrs. V.R.Prayag sponsored Prize
O Students Passing FYBCom			
1	Railkar Sonal Abhijeet	Highest total at FYBCom	Staff Fund Prize
2	Aishwarya Pradeep Madaan	Highest marks in Mathematics at FYBCom	Vishwanath Madhav Rayarikar Prize
P Students Passing SYBCom			
1	Shilpa Raju	Highest total at SYBCom	Staff Fund Prize
2	Joshi Aditi	Highest marks in Statistics at SYBCom (All papers clear)	1) Late Sau Indirabai Chirputkar Prize 2) Late R.G. Satam Prize
3	Pardeshi Rahul	Highest marks in Banking at SYB Com	Sponsored by Dr. M.M. Satam
4	Punekar Ashish	Highest marks in Economics at SYBCom	Mrs. Sandhya Vartak sponsored prize

Q Students Passing at TYBCom			
1	Meenal Gala	Highest total at TYBCom. Out of 1200	1) Staff Fund Prize 2) Nirmala Potnis Prize 3) Past student Prize 4) Trimbak P. Gondhalekar Prize 5) Vasudev Vinayak Pandit Prize 6) Memento
2	Shirole Pranav	Highest marks in Advanced Costing at TYBCom (Consider total marks of Cost & Works accountancy)	Balkrishna Rasane Prize
3	Sawant Bhagyashree	Highest marks in M. Law at TYBCom. (Consider marks in M. & Ind. Law)	Ravishankar Rasane Prize
4	Kothari Karishma	Highest marks in Banking at TYBCom	Vishwanath Madhav Rayarikar Prize
5	Dongre Chetan	Highest marks in Statistics at TYBCom	Chandrakant Moreshwar Shinde Prize
6	Gala Meenal	Highest marks in Accountancy & Auditing (Take total of three papers Advanced accountancy, Business Law & Auditing II & III)	Matoshree Mulabai Karnavat Prize
7	Edvin Smith	Highest marks in Marketing at TYBCom	Late Jivita Gujar Memorial Prize
R Students Passing M. Com.			
1	Raut Santosh Rajaram	Highest total at M. Com. I	Staff Fund Prize
2	Palande Bipin	Highest total at M. Com II	1) Staff Fund Prize 2) Memento
S Students Passing M. A			
1	Lilavati Vaidya	Highest total at M. A. II (English)	Memento
2	Shankar Titkare	Highest total at M. A. II (Marathi)	Memento
3	Patil Kalyani	Highest total at M. A. II (Geography)	Memento
4	Puri Khushboo	Highest total at M. A. II (Economics)	Late Purushottam Hirday sponsored by Dr. M.M. Satam

5	Sonika Kulkarni	Highest total at M. A. II (Psychology)	---
T Students Passing M. Sc.			
1	Gauri Narwadkar	Highest total at M. Sc. I (Microbiology.)	Dr. Bhagwant Huddekar Prize sponsored by Dr. Shilpa Mujumdar
2	Nakate Yogesh Tukaram	Highest total at M. Sc. I (Ele. Sci.)	Laxman Deuskar Prize
3	Bandana Kumari	Highest total at M. Sc. II (Ele. Sci.)	1) Laxman Deuskar Prize 2) Memento
4	Devki Joshi	Highest total at M. Sc. II (Statistics)	
5	Sneha Gupta	Highest total at M. Sc. II (Botany)	Memento
6	Apurva Bhagat	Highest total at M. Sc.I (Chemistry)	Chemistry Dept PG staff Prize
7	Neha Shirname	Highest total at M.C.A (Computer Sc.)	
8	Ramya Tantry	Highest total at M. C.S II (computer Sc.)	Memento
9	Ms.Sheetal Joshi	Highest total at M. Sc. (Microbiology)	---
10	Ms. Rajashree Patil	Highest total at M. Sc. II (Bio Tech.)	---

Other Prizes 2012 - 2013

Sr. No.	Name of the Student	Criteria	Prize
1	Dalvi Deepika Balasaheb	Standing 1 st amongst children of Non-teaching staff at Degree / PG examination	Ravishankar Rasane Prize
2	Oke Radhika Sanjeev	Standing 1 st amongst children of Teaching staff at Degree / PG examination	Ravishankar Rasane Prize
3	1) Ms.Sheetal Bhosale 2) Ms.Samiksha Jadhav	TYBSc Physics student submitting Best Project	H. B. Joshi Prize
4	Mr.Rahul Gokul Patil	TYBSc Electronic student submitting Best Project	A. Gondhalekar Prize
5	Mr. Ashish Ambre	Student writing the Best Computer Programme at TYBSc Comp. Sc.	R. M. Marathe Prize

6	Mr. Rahul Kardile	Best student at TYBSc Chemistry	M. M. Gokhale Prize
6a.	Ms.Shubhada Kamble	Deserving & studious Girl student of Sr. Wing	Golden Jubilee Fund Prize
7	Ms.Shubhada Kamble	Deserving and studious student of Sr. wing	Late Jagannath Kale Prize
8	Ms.Shubhada Kamble	Excellent academic achievement (Sr. wing)	Late Pandurang Vishnu Mahadkar Prize
9	Ms.Bhagyashri Akotkar	Most deserving student of TYBSc Physics	Y. P. Gambhir Prize
10	Mr. Ninad Daniel Padale	Most deserving student of TYBSc Ele. Sci.	D. Y. Gambhir Prize
10 a.	Mr. Sanketkumar Londhe	Best Student of NSS Sr.wing	'Late Abhishek Walke' prize, sponsored by Nisha Bhandare
11	Yadav Suraj	Most deserving student of NSS Sr. wing (SYBSc Comp.sci- Bdiv.)	Late B.P. Satpute Prize
11.a	1) Makadi Vaishali B. (SYBSc.) 2) Salve swapnali – TYBSc- Comp.	Most deserving girl student of NSS Sr. wing	Late Sarubai Varade Prize
11.b	1) Attarde Swapnil (TYBSC-Biotech) 2) Rakshe Tukaram (TYBSc- Botany)	Deserving student of TYBSc doing good work in NSS for two years	Late Bhaurao Varade Prize
11.c	1) Sanas Ketan 2) Satpute Pritam 3) Rokade Durgesh	Deserving student of TYBSc (Comp.Sci.) doing good work in NSS for two years	Late Bhaurao Varade Prize
12	Mayur G.Pawar, XII H	Most deserving student of NSS Jr. wing	Late B. S. Pathak Prize
13	Ms.Komal Dedhe, XII-B	Best performance in NSS camp Jr. wing	Late Sadashiv Salunkhe Prize
14	Cdt. Ashwini Badgujar F.Y.B.C.S.-A DIV.	Best performance in Air wing NCC activities with excellent academic record	Late Sudhabai Shankar Kale Prize
14 a.	Sagar Shinde, MCA-I	Best student from Earn & learn scheme	Late Krishna Mukund Ujalambkar prize
14 b.	Shubhangi Aagbote, MSc II	Best girl student from Earn & learn scheme	Late Kalindi Krishna Ujalambkar prize
15	Chaitanya Tappu, XI-C	Deserving and studious student of Jr. wing	Golden Jubilee Fund

16	Bhagyashri Shelake, XI- J, Comm,	Deserving and studious girl student of Jr. wing	Late Kamalabai Jagannath Kale Prize
17	Akshay Dhadge, XII-C	Deserving and studious student of XII Class	Late Vishnu Trimabak Tatake Prize Late Shankar Ramchandra Kanitkar Prize
18	Chavan Niraj Padmakar, XII-D, Sci	Excellent achievements in sports Jr. wing	Late Pandurang Vishnu Mahadkar sport Prize
19	Sesha Joshi, XI-AE	Excellent performance in cultural activities Jr. wing	Late Pandurang Vishnu Mahadkar cultural Prize
19a	Kanitkar Pranav	Past student of Modern Highschool Pun e-05 with minimum 75% mark, admission to this college and most deserving and promising student	Dattatraya Krishna Shenolikar Scholarship
20	Darshan Shah, XII-G	Excellent academic achievement Jr. Wing	Late Pandurang Vishnu Mahadkar Prize
21	Sagar Shinde, TYBSc-Comp	Illustrious Past Student	Memento
22	Sagar Shinde, TYBSc-Comp	Best Graduate of the year	Principal V K Jog Prize
23	Navangul Sharvani Amol, XII-G	Best Student Jr. Wing	Late Jyotsna Godbole Prize Best student Trophy, Memento
24	Mr Vikram Uttam Gawade	Best student Sr. Wing	Staff Fund Prize Veer Sawarkar Prize Damodar shield, Memento
25	Mr.Sagar Shinde, MCA-I(Sci.)	Best student Post Graduate Section	Late Prof. G. M. Bansude Trophy

1) Akhilesh Gandhi , XII Sci. secured 17th rank with score 46 in RMO 2012 and was selected to appear for INMO 2013

Mrs. Madhuri Ghanekar

Published Material of Our Staff (Articles, Books, Research Papers etc.)

BIOTECHNOLOGY

Research paper:

Akshada Khadpekar (M.Sc. student)

“Antibacterial activity of various medicinal plants against mixed dental flora” published in an International Journal ‘*Research Journal of Pharmaceutical, Biological and Chemical Sciences*’,

Volume 3, Issue-3, 179-182, 2012.

BOTANY

a. Research papers :

Zunjarrao R. S. and Gopale K. D. (2013) “Evaluation of Genetic Diversity of *Jatropha Curcas* L. Using RAPD Marker in Maharashtra” *Int. J. Pure Appl. Sci. Technol.*, 14(2), pp. 142- 154. (Impact factor 0.36).

b. Book published:

Ph.D. Thesis of Dr. Gopale K.D.

“Diversity and propagation studies of *Jatropha curcas* L.: A Biodiesel plant,” has been published by LAP LAMBERT Academic Publishing is a trademark of: AV Akademikerverlag GmbH & Co. KG Heinrich-Böcking-Str. 6-8, 6121, Saarbrücken, Germany. ISBN 978-3-659-28960-6.

CHEMISTRY

Research paper:

1. Padmashree Joshi, Mukula Kulkarni & **Sushma Joag** : “Higher antioxidant activity in Decoctions compared to fresh juice of fruit parts of *Lagenaria Siceraria*” in the Elsevier Journal – “*Free Radicals and antioxidants*”. Free Radicals and Antioxidants (Elsevier), 2013

2. **Sushama D. Joag** : "A new method of introducing the Periodic Table of Elements to School Students and its comparison with the conventional method : Statistical Analysis of a sample survey." e-proceedings, National Workshop on Recent Trends in Applied Statistics: An Interdisciplinary approach, Fergusson College, Pune. March 2013

COMMERCE

Date Rasika : ‘Gender Budgeting, Gender Accounting and Gender Audit - A three step model for Gender Equality’ ISBN No. 978-81-925782-0-0

COMPUTER SCIENCE

Research paper:

● **Kalyani Salla**, 2012, “Efficacy of selected Softcomputing techniques in Ranking of sites for Industrial Installations”, *Proceedings of World Conference on Softcomputing*, pp-250-257.

- **Anjali Sardesai**, 2012, "Initial Screening of Gynecological Diseases in a Patient, Expert's Knowledgebase and Fuzzy Set Theory: A Case Study in India" *Proceedings of World Conference on Softcomputing*, pp-258-261.
- **Madhuri Ghanekar**, 2012, "SYMCOMP: A Simple tool for Researchers for understanding and verifying Algebraic Expressions" *Proceeding of the International Conference*.
- **Shilpa Dange**, 2013, "Implementation of RSA Algorithm using Mersenne Prime", *International Journal on Networking and Parallel Computing*, pp 33-37.

Book:

Anjali Sardesai, 2012, Softcomputing for M.Sc. –II, *Vision Publications*.

ECONOMICS

Dr. Shende Abhay

Research Papers :

- 1) A case study of floriculture entrepreneurs of Pune District, *COSMOS, BI ANNUAL, January 2013-Issue III*, ISSN: 2249-6408
- 2) Review of Kears mango export scenario from Maharashtra, *International Journal of Business Management & Social Sciences, Vol II, Issue 6(IV)*, February 2013, ISSN:2249-7463
- 3) VAPCOL-A marketing model for marginal farmers, *International Journal of Multidisciplinary Research, Vol.I, Issue 12(IV)*, March 2013, ISSN:2277-9302
- 4) Review of Innovative Marketing of Indian fruits in *International market, International Research Journal of Commerce, Business and Social Sciences*, ISSN:2277-9310 (accepted for May 2013).

ELECTRONICS

Research papers :

1. **Kumbhar T.R.** : "FPGA Implementation of Fuzzy Logic Controller for Temperature Control" in *International Journal of Computer Applications* **62(20)**:19-23, January 2013.
2. **Sonawane T.B.** : "dsPIC based SPWM controlled Three Phase Inverter Fed Induction Motor Drive" in *International Journal of Computer Applications (0975 – 888) Volume 47–No.16, June 2012*.

HISTORY

Dr Rajesh Kulkarni

Books & Scripts

Created Cartoon Sketch Book – Subject – "Ego" – March 2013.

Prawah(Hindi) - A Book on various Life style aspects described in ancient Sanskrit , Pali, Tibetan & Sufi scripts. Completed in Jan 2013.

Articles

- 1 . 'Use & Importance of Ancient Yoga Nidra ' in an International Journal

Shouryabhumi - Feb 2013.

2. "Spiritual Humanism" in *ShivMudrankan* Magazine .

3. "Ignite Life" in *NeuoWay News letter* – 12 Jan 2013.

Media Creations

Audio

Created an Audio CD on: *Dhyan Aur WishaShakti* -Meditation & Cosmic Power-Nov-2012.

Video

Created a Video on – Yog Katha- Nov 2012.

Y-tube videos (2012-13)

Subjects- Yoga katha , Life is illogical, Neuo way, NeuoSmi- Yogic War Art

Mobile Clips -

Subjects-

Instant Stress free –An Unique Technique

Connect to inner Peace & Happiness

Graceful Eye Training

Dr.Manda Admane

Articles :

i. 'Rahimche Rajya Asalele Oman Rashtra' in *Mudrankan* magazine , May 2012.

ii. 'Itihas Sanshodhak Rao Bahaddur Dattatray Balwant Parasnis Yanche karya" *Mudrankan* magazine, October 2012.

Dr. Milind Paradkar

1. Translated the famous "Jonathan Livingstone Seagull" by Richard Bach, which is in the process of Publication.

2. Translated " *Shri Ramcharitramanasa* ' by *Sant Tulsidas*, into Marathi Prose.

3. Translated " *Ramayan*" by *Samrth Ramdas*.

MARATHI

Dr.Snehal Taware

Book

'पारिभाषिक संज्ञा कोश'. March 2013

Article on 'एकविसावे शतक आणि लोकसाहित्याचे महत्त्व' was published in an International Journal 'शौर्यभूमी' in March 2013.

Dr. Madhura Koranne

Book :

‘Marathi Natak Ani Doctor Pratima’ - by Snehvardhan Publishing House, Pune (March 2012).

Articles related to drama in various Diwali Annuals - like ‘Manini’, ‘Nihar’, ‘Deepmala’ etc. (Oct. 2012).

Dr.Vaijanti Jadhav

Research Article:

‘Marathi Kavitetil Laybadhatta’ in ‘*Lalit*’ Magazine, January 2013.

STATISTICS

Dharmadhikari A.A.

Research paper :

‘Effect of (rational) prayer on fetus and mother’, *Journal of Prenatal and Perinatal Psychology and Health* , Vol.27 No.2 Winter ,pp 81-96, December 2012.

Contribution in Books:

- i. Wrote one chapter in the textbook of Mathematics and Statistics for Std. XII (upgraded syllabus) of H.S.C. Board.
- ii.Prepared practical problems and examples for the practical Book of Statistics for std. XII (upgraded syllabus) of H.S.C. Board.

ZOOLOGY

Dr. Ghate H.V.

Research papers :

- Gupta, A.K., Dana Nayduch, A. Y. Rangrez, M. S. Dharne, P. Verma, B. Shah, **H. V. Ghate**, M. S. Patole, Y. S.. Shouche (2011), Phylogenetic characterization of bacteria in the gut of houseflies (*Musca domestica* L.), **FEMS Microbiol Ecol** **79** (2012) **581–593**
- Kocorek, A. and **H.V. Ghate (2012)**. *Megymenum distanti* a new remarkable species of Dinidoridae subfamily Megymeninae (hemiptera: Heteroptera: Dinidoridae) from India. **Zootaxa**, **3218**: 31-39
- **Ghate H.V.**, G. P. Pathak, Yogesh Koli and G. P. Bhawane (2012). First record of two Pentatomidae bugs from Chandoli (Kolhapur, Maharashtra State). **Journal of Threatened Taxa**, **4**(4): 2524-2528
- **Ghate, H.V.**, S. Riphung and N.S.A. Thakur (2012). First record of *Sarothrocera lowii* White 1846 (Cerambycidae: Lamiinae: Lamiini) from India. **Journal of Threatened Taxa**. **4**(7): 2709-2712.
- Padhye, A.D. and **H.V. Ghate (2012): Vertebrata : Amphibia**. In: *Fauna of Maharashtra, State Fauna Series*, **20** (part 1) 239-246, Published by The Director, ZSI,

Kolkata.

- **Ghate, H.V. (2012).** Freshwater Sponges. In: *Fauna of Maharashtra, State Fauna Series*, 20 (part 2) 215-216, Published by The Director, ZSI, Kolkata.
- **Ghate, H.V., S.S. Jadhav and R.M. Sharma. (2012)** Insecta : Mantodea. In: *Fauna of Maharashtra, State Fauna Series*, 20 (part 2) 441-445, Published by The Director, ZSI, Kolkata.
- **Pathak, G., Ghate, H.V. and R.M. Sharma (2012).** Stink Bugs (Insects: Heteroptera: Pentatomidae). In: *Fauna of Maharashtra, State Fauna Series*, 20 (part 2) 473-475, Published by The Director, ZSI, Kolkata
- **Ghate, H.V. (2012).** Cerambycidae (Coleopteran : Cerambycidae). In: Freshwater Sponges. In: *Fauna of Maharashtra, State Fauna Series*, 20 (part 2) 503-505, Published by The Director, ZSI, Kolkata.
- **Ghate, H.V. (2012).** Tortoise Beetles (Chrysomeloidea: Chrysomelidae: Cassidinae). In: *Fauna of Maharashtra, State Fauna Series*, 20 (part 2) 523-526, Published by The Director, ZSI, Kolkata.
- **Pawar, K. D., S. Banskar, S. D. Rane, S. S. Charan, Girish J. Kulkarni, S. S. Sawant, H. V. Ghate, M. S. Patole & Y. S. Shouche (2012).** Bacterial diversity in different regions of gastrointestinal tract of Giant African Snail (*Achatina fulica*). **Microbiology Open**, doi: 10.1002/mbo3.38
- **Salunke, B. K., R. C. Salunkhe, D. P. Dhotre, S. A. Walujkar, Avinash B. Khandagale, R. Chaudhari, R. K. Chandode, H. V. Ghate, M. S. Patole, J. H. Werren, d and Y. S. Shouche (2012).** Determination of *Wolbachia* Diversity in Butterflies from Western Ghats, India, by a Multigene Approach. June 2012 Applied and Environmental Microbiology, 78 (2), In Press.

Research papers Submitted in 2012 but in press for 2013

- **Ghate, H.V. (2013).** Report of *Dissosternus pertii* Hope (Coleoptera: CERAMBYCIDAE: Prioninae) from Pune, Maharashtra State. *Prommalia* (e-journal of Zoological Survey of India) (in press)
- **Ghate, H.V. (2013).** *Eurysaspis flavescens* Distant, a new Pentatomidae member for Indian Territory. *Prommalia* (e-journal of Zoological Survey of India) (in press).
- **Ghate, H.V. (2013).** Challenges for taxonomy in Indian context. Envis special issue on Insect Diversity and Conservation. Invited article (In Press).
- **Jakhalekar, S. and H.V. Ghate (2013).** A Note on Five Freshwater Sponges (Porifera: Spongillina: Spongillidae) from Pune (Maharashtra, India). *Journal of Threatened Taxa*, (in Press).

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ADDENDA - Department of Physical Education (Senior College)

Dr. Deepak Tanaji Shendkar,

1 International Seminar

- Attended and presented three research papers at International Conference organized by Jawaharlal Nehru University, Delhi.
- Attended International Seminar on “Tradition, Modernity and Technology” organized by The Lonavala Yoga Institute on 17th January 2013 as delegate.

2 National Seminar - Biomechanical way to find out efficiency of a Long Jumper (Organizer: M.U. College, Pimpri, Laughter Yoga therapy & Health benefits (Co-Presenter), IPL the real Global Sport (Co-Presenter).

- Worked as Chairperson at National Seminar organized by Shri Shivaji Vidya Prasarak Sanstha's Bhausaheb N.S. Patil Art's and M.F.M.A. Commerce College, Dhule (Date: July 6-8, 2012) & at National Seminar organized by M.U. College of Commerce, Pimpri (Date: October 8-10, 2012).

● University Responsibilities Completed

Member of CAS Assessment team 2012-13, member of CAS Guideline Development Committee, Co-coordinator of M.Phil. Course in Physical Education conducted by Department of Physical Education, Pune University, member of committee for M.P.Ed. Syllabus Committee, member of Evaluation Committee of State level Student Seminar, Chairman and External Referee for M.Phil. Viva-Voce of Department of Physical Education, Pune University.

- Worked as Resource Person for NET/SET Workshop organized by Shri Shahu College, Pune & Statistical analysis in Physical Education and Softball at Department of Physical Education, Pune University.
- Organized Coaching Camps for Softball, Baseball, Netball and Korfball, Softball Scorer workshop, Interzonal Basketball and Intercollegiate Basketball, Korfball Competitions.
- Worked as Team Manager of Chess and Boxing Team of Pune City Zonal Sports Committee, Selector for Chess, Rowing team of Pune City Zonal Committee, Selector for Baseball (W) Team of Pune University, Referee at National level Amit Joshi Memorial Softball Tournament and State level PCMC Mayor Softball Cup.

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‘जागर जाणिवांचा’-अभियान

(स्त्री-पुरुष समानता)

यावर्षी महाविद्यालयात “जागर जाणिवांचा” हे आगळे वेगळे अभियान राबविण्यात आले. हे अभियान महाराष्ट्र शासनाने पुरस्कृत केले होते. हे अभियान यशस्वीपणे राबविण्यासाठी खालील समितीची स्थापना केली.

१. डॉ. राजेंद्र झुंजारराव	प्राचार्य, अध्यक्ष
२. डॉ. नयना कुलकर्णी	उपप्राचार्य, कार्याध्यक्ष
३. प्रा. सुनीता पुरोहित	समन्वयक
४. डॉ. शुभांगी पुराणिक	सदस्य
५. प्रा. प्रभाकर वराडे	सदस्य
६. डॉ. राजकुमार बारमुख	सदस्य
७. प्रा. संध्या वर्तक	सदस्य
८. प्रा. सुजाता हिरवे	सदस्य
९. डॉ. अमिता धर्माधिकारी	सदस्य

या अभियानांतर्गत विद्यार्थी सभा घेण्यात आल्या. स्त्री पुरुष समानतेच्या संदर्भात विद्यार्थ्यांकडून सूचना मागविण्यात आल्या. या सूचनांचे परीक्षण करून पुढील कार्यक्रम घेण्यात आले.

१. ‘सातच्या आत घरात’ हा चित्रपट दाखवून त्यावर चर्चा करण्यात आली. हा कार्यक्रम दि. २९ डिसेंबर २०१२ रोजी घेण्यात आला.
२. ‘स्त्री-पुरुष समानता - माझी भूमिका’ या विषयावर वक्तृत्व स्पर्धा घेण्यात आली. दि. ३१ डिसेंबर २०१२
३. अखिल भारतीय जनवादी महिला संघटनेच्या महाराष्ट्र राज्याच्या अध्यक्षा मा. किरण मोघे यांचे ‘स्त्री पुरुष समानता - कृतीशीलतेची गरज’ या विषयावर व्याख्यान झाले. त्यावर चर्चा झाली. दि. २ जाने. २०१३.
४. लोकायतच्या श्रीमती ‘अलका जोशी’ यांचे “स्त्री पुरुष समानता - वैचारिक परिवर्तनाची गरज” या विषयावर व्याख्यान झाले. दि. ४ जानेवारी २०१३.
५. स्त्री पुरुष समानता या विषयावर आधारित विद्यार्थी विद्यार्थीनींची रॅली काढण्यात आली दि. ५ जानेवारी २०१३.

या सर्व कार्यक्रमाचा विद्यार्थ्यांनी उत्फूर्त प्रतिसाद दिला. कार्यक्रमांची ध्वनी चित्रफीत व अहवाल महाराष्ट्र शासनाला सादर करण्यात आला.

डॉ. नयना कुलकर्णी

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चौदा तास अभ्यास अभियान

आपल्या महाविद्यालयात सलग चौदा तास अभ्यास अभियान या उपक्रमाचे दि. १३ एप्रिल २०१३ रोजी आयोजन करण्यात आले. सकाळी ७ ते रात्री ९ वाजेपर्यंत असलेल्या या अभियानाच्या वेळेत मोठ्या संख्येने विद्यार्थ्यांनी सहभाग घेतला. सुरुवातीला मॉडर्न महाविद्यालयाचे प्राचार्य डॉ.आर.एस. झुंजारराव यांनी भारतरत्न डॉ. बाबासाहेब आंबेडकर यांच्या प्रतिमेला पुष्पहार अर्पण करून अभिवादन केले. प्रा. सुभाष कारेकर यांनी मा. प्राचार्यांचे व सर्व उपस्थित विद्यार्थ्यांचे स्वागत केले. या प्रसंगी प्रास्ताविकात प्रा.आर.एन. इंगोले यांनी सलग १४ तास अभ्यास अभियान कार्यक्रमाचे महत्त्व सांगितले की, वाचन क्षमता वाढून वाचनाची अभिरुची निर्माण होते व एकाग्रतेने अभ्यास करण्याचा सराव होतो.

डॉ.आर.एस. झुंजारराव यांनी मार्गदर्शन करतांना सांगितले, “भारतरत्न डॉ. बाबासाहेब आंबेडकर १८-१८ तास वाचन, मनन व चिंतन करायचे. त्यांच्यापासून प्रेरणा घेणे हे प्रत्येकाचे आद्य कर्तव्य आहे. विद्यार्थ्यांनी कोणतीही ताणतणावाची परिस्थिती निर्माण होऊ न देता शांतपणे तोंड देऊन समस्यांचे निराकरण करावे. अडचणी येतात परंतु त्यातूनच मार्ग काढण्याची संधी मिळते व आपले कौशल्य पणाला लागते. आव्हानांना सामोरे जाण्याची जिद्द मनात बाळगावी. बाबासाहेब आंबेडकरांचे राष्ट्राला योगदान व त्यांनी दूरदृष्टीने संविधानाच्या माध्यमातून रचलेला भक्कम पाया फार महत्त्वाचा आहे. वाचन संस्कृतीचे जतन करून अत्याधुनिक तंत्रज्ञानाचा गैरवापर न करता ध्येयापर्यंत पोहोचण्यासाठी प्रयत्न करावा”.

वर्षभर सकाळी ७ ते रात्री ११ पर्यंत अभ्यास करण्याची या महाविद्यालयात स्पर्धा परीक्षा मार्गदर्शन केंद्राच्या वाचन कक्षात सुविधा उपलब्ध आहे. त्याचा लाभ सर्व विद्यार्थ्यांनी घेऊन सर्वांगीण विकास साधण्याचे व बाबासाहेबांसारखे आदर्श व्यक्तिमत्त्व घडविण्याचे आवाहन त्यांनी केले.

वाचनरुचीत फेरबदल व्हावा. ज्ञानकक्षा वृद्धिंगत व्हाव्यात यासाठी बाबासाहेब आंबेडकर यांनी लिहिलेली व त्यांच्या जीवनावरची तसेच इतर पुस्तके वाचनासाठी ग्रंथालयातून उपलब्ध करून देण्यात आली. अत्यंत प्रसन्न व शांत वातावरणात व इतर सर्व आवश्यक सुविधा असल्याने विद्यार्थ्यांनी सलग १४ तास अभ्यास समर्थपणे व समाधानाने केला.

या दरम्यान भीम जयंती महोत्सव समिती, पुणेचे सदस्य मा. पंजाबराव वानखेडे (अतिरिक्त जिल्हाधिकारी), मा. वसंत खंकाळ, डॉ.एन.इ. चंदनशिवे, प्रा. किशोर पाटील यांनी भेट देऊन विद्यार्थ्यांनी दिलेल्या प्रतिसादाबद्दल कौतुक केले. सुंदर नियोजनाबद्दल संस्थेचे अभिनंदन केले. सर्व उपप्राचार्य, विभागप्रमुख, प्राध्यापक व शिक्षकेतर सहकाऱ्यांनी उपक्रमास भेट देऊन विद्यार्थ्यांना प्रोत्साहन व शुभेच्छा दिल्या.

प्रा.आर.एन. इंगोले

समन्वयक

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दुसऱ्यांना बळ देणारे बाळासाहेब

डॉ. स्नेहल तावरे (मराठी विभाग प्रमुख)

सोमवारी सकाळीच संस्थेचे सचिव प्रा. शामकांत देशमुख सरांचा एसएमएस आला, वाचल्यानंतर बातमीवर विश्वासच बसेना. श्री. बाळासाहेब हगवणे यांच्या दुःखद निधनाची बातमी होती. बाळासाहेब गेलेच कसे? आता तर चर्चासत्राला आले होते. महिन्यातील गोष्ट, पण शेवटी नियतीपुढे माणूस हतबल होतो हीच गोष्ट खरी. ही दुःखद घटना स्वीकारायलाच लागली.

श्री. बाळासाहेब हगवणे यांचा परिचय अनेक वर्षांचा. एका पुस्तकाच्या निमित्ताने ते स्नेहवर्धनच्या कार्यालयात आले होते. पुस्तक घेताना म्हणाले, तुम्ही मॉडर्नमध्ये आहात म्हणून आलो. त्यानंतर मराठी विभागाच्या कितीतरी चर्चासत्रांना ते आवर्जून उपस्थित राहत. त्यांचे वैशिष्ट्य म्हणजे भाषण ऐकताना त्यातील मुद्दे ते वहीत लिहून घेत, 'मराठी भाषकांसाठी देशविदेशातील नोकरी-व्यवसायाच्या संधी' या आंतरराष्ट्रीय चर्चासत्रासाठी बालगंधर्व येथे पी.ई. सोसायटीच्या नियामक मंडळाचे सदस्य म्हणून आणि एक रसिक मराठी भाषाप्रेमी म्हणून उपस्थित राहिले. चर्चासत्र चार दिवसांचे होते. पाचव्या दिवशी माझ्या भाषणातील मुद्यांबाबत आणि एकूण कार्यक्रमाबद्दल एक सुंदर पत्र बाळासाहेबांनी पाठविलेले मला मिळाले. खूप आश्चर्य वाटले, की इतक्या तत्परतेने त्यांनी पत्र पाठविले. दुसरी गोष्ट म्हणजे नियामक मंडळातील सदस्यांनी आपल्या कामाबद्दल दिलेली ती शाबासकी होती. मी लिहिलेल्या छत्रपती शिवाजी महाराजांवरील पुस्तकाचेही त्यांना कौतुक होते.

मराठी विभागाच्या सर्व चर्चासत्रांना आवर्जून उपस्थित राहणारी व्यक्ती म्हणून बाळासाहेब माझ्या

लक्षात राहिले आहेत. या सदाप्रसन्न, हसतमुख बाळासाहेबांनी दि. ४ फेब्रुवारी २०१३ च्या 'मराठी विनोदी कथा : स्वरूप आणि सादरीकरण' या चर्चासत्राला आवर्जून हजेरी लावली. उद्घाटनाला ते येऊ शकले नाहीत. दुसऱ्या सत्रामध्ये आले. सत्कार समारंभ झालेले होते. पण मला काय वाटले ते माहीत नाही. कार्यक्रमाच्या मध्येच व्यासपीठावर बाळासाहेबांना बोलावून त्यांचा सत्कार केला. हसतमुख चेहऱ्याने त्यांनी तो स्वीकारला. त्यावेळी त्यांचा हा शेवटचा सत्कार असेल असे वाटलेही नाही.

महिन्यापूर्वी कार्यक्रमाला आलेली व्यक्ती इतक्या तातडीने आपल्यातून कायमची निघून जाईल याचाच धक्का खरेतर आम्हाला अधिक बसला. त्यांच्यातील अनेक गुणांमुळे ते नियामक मंडळाचे सदस्य झाले हे लक्षात आले. आणि डॉ. गजानन एकबोटे सरांनी संस्थेसाठी किती चांगली माणसे शोधली याचाही प्रत्यय बाळासाहेबांच्यामुळे आला. त्यांचे अकाली निघून जाण्याचे हे कटू सत्य त्यांच्या कुटुंबीयांना आणि पी.ई. सोसायटीतील सर्वांना स्वीकारावे लागत आहे. त्यांच्या रूपाने दुसऱ्यांना प्रोत्साहन देणाऱ्या, बळ देणाऱ्या, प्रसन्न व्यक्तिमत्त्वाला आमची संस्था कायमची मुकली आहे. बाळासाहेबांची अनुपस्थिती आता चटका लावणारी ठरली आहे.

★ ★ ★

अभ्यासावर बोलू काही...!

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दैनंदिन कामाचा भाग आणि एक शिक्षक म्हणून वेगवेगळ्या प्रश्नांना आपल्याला उत्तरे द्यावी लागतात. त्यातील काही प्रश्नांचे महत्त्व ध्यानात घेता त्यावर बोलल्यावाचून राहावत नाही. विद्यार्थी व अभ्यास हा त्यातील एक जिन्हाळ्याचा विषय आहे. अभ्यास हा का आणि कशाप्रकारे करायचा, कसा करायचा हे सर्वांपुढे असलेले एक कोडेच आहे असे वाटते. अभ्यासाबाबत काहींच्या मनामध्ये आदरयुक्त भिती, तर काहींच्या मनात भीतीयुक्त आदर असतो. अभ्यासाचा उपयोग काय? अभ्यास करायचा म्हणजे काय करायचे? शिक्षण घ्यायचे म्हणजे तरी काय घ्यायचे? शिक्षण हे साध्य आहे की साधन? अभ्यासाची अशी काही गुरुकिल्ली आहे का? सभोवतालच्या जगातून आपण काय आणि कसे शिकतो? या सृष्टीमध्ये आपल्या यशाचे व बौद्धिक क्षमतेचे गमक तरी काय आहे? अभ्यासासाठी काही तत्त्व किंवा तंत्र आहे का? आणि ही तत्त्वे व तंत्रे शिक्षण घेण्यासाठी कशी अमलात आणायची? विद्यार्थी आणि पालकच काय, विशेष म्हणजे शिक्षकांनाही असे एक ना अनेक प्रश्न सतत भेडसावतात. तसं पाहायला गेलो तर प्रत्येक जण आपापल्यापरीने या प्रश्नांची उत्तरे शोधण्याचा प्रयत्न करीतच असतो. ज्यांना उत्तरे सापडतात, ते आयुष्यात यशस्वी होतात, ज्यांना उत्तरे सापडत नाहीत, त्यांची प्रगती खूंटते. प्रस्तुत लेखामध्ये आपल्याला भेडसावणाऱ्या अशाच काही काही प्रश्नांची उत्तरे शोधण्याचा प्रयत्न केला आहे. या विषयी माझा अनुभव आपल्यासमोर मांडत आहे. या लेखातील दाखले आणि तत्त्वे निश्चितच सर्वांना मार्गदर्शक ठरतील असा मला विश्वास आहे.

आपण लहान मुलाला विचारल्यावर त्यांची काही ठराविक उत्तरे नेहमी आपल्याला ऐकायला मिळतात. मी डॉक्टर होणार, मी इंजिनियर होणार इत्यादी... पण

बोटावर मोजण्याइतके विद्यार्थी त्यांचे ध्येय गाठताना दिसतात कारण त्यांनी अभ्यासाशी व ओघाने शिक्षणाशी त्यांचं असलेलं नातं ध्यानात घेतलेलं असतं. काही ना काही तरी ध्येय उराशी बाळगायला हवे. आपण का व कशासाठी शिकायचे किंवा शिकवायचे? या प्रश्नांची उत्तरे आपल्याला इतिहासाची पाने चाळता विविध विद्वज्जनांच्या विचारांमधून प्रकट होतात. समर्थ रामदास स्वामी म्हणतात, की, आपण असे ज्ञान संपादन करावे ज्याने आपल्याकडे कुठल्याही प्रकारच्या संशयाचा मागमूसही राहाणार नाही. सभोवतालच्या प्रत्यक्ष-अप्रत्यक्ष घटना अगर गोष्टी यांचा अनुभव घेणं व त्यातून ज्ञान व कौशल्य संपादन करणं म्हणजे शिकणं.

शिक्षणाविना माणसाची काय अवस्था आहे हे चाणक्याने कडक शब्दांत वर्णन केले आहे. तो म्हणतो की शिक्षण नसलेल्या माणसाची अवस्था ही कुत्र्याच्या शेपटाप्रमाणे असते. तिचा वापर अंग झाकण्यासाठीही होत नाही व माशाही हाकलण्यासाठी होत नाही. आपल्या कल्पनाशक्तीला वाव दिला पाहिजे. आपल्या दिनक्रमात आपण वेगवेगळी कामे करतो. त्याबद्दल आपल्याला प्रश्न पडायला हवेत. ते विचारायला हवेत. प्रश्न हे आपल्या विचारांना चालना देतात. यामुळे प्रश्न विचारणारा व प्रश्न सोडवणारा या दोघांचाही फायदा होतो. श्रीमद् भगवद्गीतेमध्ये आपल्याला एक मौलिक असा विचार आढळतो. (श्रीमद् भगवद्गीता-४-३४) श्रीकृष्ण असे सांगतो की ज्ञान ग्रहण करण्यासाठी योग्य आध्यात्मिक गुरूची निवड करा. विनम्रपणे आपल्या शंका त्यांना विचारा. अनुभवसंपन्न असे गुरू तुम्हाला असलेल्या शंकांचे निरसन करण्यास मदत करतील. आवडीने शंका विचारणारे विद्यार्थी आणि त्या प्रश्नांची तितक्याच आवडीने व अभ्यासपूर्ण उकल करणारे शिक्षक लाभले तर शिक्षण प्रक्रियेला मोठा हातभार

लागेल. शिक्षणाचा मार्ग कोणताही असो, शिकण्याची कला आपल्याला अवगत असायलाच हवी.

विज्ञानातील शोध आणि आपली वाटचाल

अणुपासून ब्रह्मांडापर्यंत कोठल्या घडामोडी चालल्या आहेत याबद्दल आपला दृष्टिकोण नेहमीच कुतुहलाचा, चिकित्सक असा राहिलेला आहे. किंबहुना तशी गरजही होती. माणसाच्या उत्क्रांतीमध्ये विविध शोधांचे महत्त्व अनन्यसाधारण आहे. पूर्वी काही विचारप्रवाहांचा पगडा आपल्यावर इतका होता की नवीन व उपयुक्त असे विचारप्रवाह स्वीकारण्यासाठी बराच काळ जावा लागला. कारण ज्ञान मिळवण्यासाठी व त्याच्या प्रसारासाठी बराच अवधी लागत असे. सध्याच्या काळात मात्र जगाच्या कानाकोपऱ्यात कोणतीही घटना घडो, तंत्रज्ञानाच्या जोरावर ती आपल्याला लगेचच माहिती होऊ शकते.

अगदी सुरुवातीपासूनच, आपण विश्वातील भौतिक व नैसर्गिक घटनांबद्दल काही प्रश्न विचारले. प्रश्न अगदीच साधे-सोपे होते, उदा. झाडाच्या काड्या एकमेकांवर घासून आग कशी लावायची? धान्य कसे साठवायचे? बिया पेरून झाडे कशी उगवायची? प्राण्यांवर नियंत्रण कसे ठेवायचे? सभोवतालच्या वातावरणापासून संरक्षण कसे करावे? अशा साध्या साध्या प्रश्नांतून जसजशी विचारांना चालना मिळत गेली, तंत्रज्ञान अवगत झाले, तशी प्रश्नांची काठिण्यपातळीही वाढत गेली. त्यानंतर आपण अधिकाधिक गुंतागुंतीचे व समजण्यास कठीण प्रश्न सोडवण्याचा प्रयत्न केला. उदाहरणादाखल, पेशी व उर्तेमध्ये होणारी माहितीची देवाणघेवाण कशी होते? परग्रहावर जीवसृष्टी निर्माण करता येईल का? असे या शोधामागील अनेक प्रश्न उपस्थित केले आणि त्यांची उत्तरे शोधण्याचा यशस्वी प्रयत्नसुद्धा करतो आहोत. कार्यपद्धतीसुद्धा काहीशी एकसारखी - प्रथम आपल्यासमोर प्रश्न उपस्थित करायचा व एक ठराविक उद्दिष्ट ठरवायचे. ते उद्दिष्ट साध्य करण्यासाठी लागणाऱ्या साधनांची जमवाजमव करून नानाविध प्रयोग करायचे.

प्रयोगाची अचूकता व वैधता तपासण्यासाठी, शास्त्रीय निकषांची पूर्तता करण्यासाठी काही समांतर प्रयोग करायचे. अशा प्रयोगांतून योग्य निष्कर्षापर्यंत पोहोचण्यासाठी आवश्यकतेनुसार संख्याशास्त्र किंवा अंकगणिताचीसुद्धा मदत घ्यायची. अचूक व निर्दोष असे निष्कर्ष, आधी प्रस्थापित झालेल्या शास्त्रीय निष्कर्षांबरोबर तपासायचे व त्यांची योग्य-अयोग्यता व नाविन्य ठरवायचे. अशा कार्यपद्धतीतून आलेल्या प्रत्यक्ष-अप्रत्यक्ष अनुभवावरून व आपल्या बुद्धिप्रामाण्यवादी धोरणातून आपण प्रगती साधली आहे. यातूनच विज्ञानाची कक्षा अविरतपणे रुंदावते आहे.

कल्पना करा की दोन व्यक्ती एकमेकांशी संवाद साधत आहेत, ते ज्या विषयावर बोलत आहेत, त्याच्याबद्दल त्यांना व्याख्याच करता येत नाही. या प्रसंगात जरी माहितीची देवाणघेवाण झाली तरी त्यामुळे त्यांच्या ज्ञानात भर पडेलच असे नाही. नेमकं हेच चित्र बऱ्याचदा आपल्याला पाहावयास मिळते. हेच चित्र जर बदलले तर या सांगणाऱ्याला काय सांगतो आहोत व ऐकणाऱ्याला काय ऐकतो आहोत हे चांगल्या प्रकारे समजू शकते. एक साधे उदाहरण आपण पाहू, जर चहा करावयाचा असेल तर काही गोष्टींच्या व्याख्या आपल्याला आधीच कराव्या लागतात. चहा म्हणजे काय? चहा करण्यासाठी काय सामग्री लागते? चहा करण्याची पद्धती काय आहे? चहा गोड हवा की कमी गोड हवा? आपण या व्याख्यांचाच उपयोग करून हवा तसा चहा बनवतो. त्याचप्रमाणे अभ्यास करतानासुद्धा परिपूर्ण अशा शब्दकोशातून व्याख्या समजून घेतल्या, त्यांचा परस्पर संबंध ध्यानात घेतल्यास, आपल्याला त्या विषयामध्ये नक्कीच रस निर्माण होईल. त्या विषयामध्ये गती मिळेल.

जसजशी नवनवीन माहिती आपल्याला होत जाते, तसतशी आपली एखाद्या गोष्टीबद्दलची संकल्पना, दृष्टिकोण व व्याख्येमध्ये बदल होत असतो. हा बदल प्रगतीस अत्यंत पोषक असतो. यातून हे लक्षात येते

की, विज्ञान व्यक्तिमाहात्म्यापेक्षा ज्ञानाला अधिक महत्त्व देते. पुढील उदाहरण यासाठी पुरेसे आहे. उंदरांची उत्पत्ती धान्यापासून, तर बेडकांची उत्पत्ती चिखलातून होते असा एक विचारप्रवाह बराच काळ टिकून होता. हेच काय, पण काहींनी कचऱ्यापासून उंदीर कसे तयार करायचे याची कृतीसुद्धा प्रसिद्ध केली होती. अशा शोधापासून आपल्या जिज्ञासू वृत्तीचे समाधान काही केल्या होत नव्हते. अशा अनेक गोष्टींना जीवशास्त्रीय भाषेत, प्रसंगी प्रचलित चाली-रूढींच्या विरुद्ध जाऊन उत्तर शोधण्याचे प्रयत्न केले गेले. विविध क्षेत्रांतून जमलेल्या माहितीच्या व प्रयोगांच्या आधारे खरे चित्र स्पष्ट होत गेले.

जीवसृष्टीची निर्मिती कशी झाली? त्यांची उत्क्रांती अतिप्रगत अशा जीवांमध्ये कशी झाली? तसे पाहायला गेले तर आपल्याकडे जीवसृष्टीच्या आस्तत्वाबद्दल जीवाश्मांच्या स्वरूपात काही ठोस पुरावे आहेत. पण त्यांच्या निर्मितीबद्दलची माहिती तंत्रज्ञानाअभावी बराच काळ गूढच राहिली. आपण सूक्ष्म जीवांबद्दल कल्पना जरी केली असली तरी त्यांचे आस्तत्व जाणण्यासाठी असमर्थ होतो; परंतु त्यांचा अप्रत्यक्ष वापर करून आपले जीवन मात्र समृद्ध होत होते. दुधाचे कीण्वन प्रक्रियेने दही करत होतो. इडली, डोसा, उत्तप्पा इत्यादी पदार्थांचा आस्वाद आपण या सूक्ष्म जीवांच्या कामगिरीमुळेच घेत होतो. इतिहासात असे दाखले आहेत की, बिअरने लाखो, लोकांचे प्राण वाचवले. स्टॅनले मिलर आणि त्यानंतरच्या शास्त्रज्ञांनी दाखवून दिले की, सजीव सृष्टी ज्या घटकांपासून बनली आहे, त्या घटकांच्या निर्मितीस पृथ्वीचे वातावरण अनुकूल होते. हे सिद्ध करण्यासाठी त्यांनी पृथ्वी निर्माण होताना जसे वातावरण होते. त्याच्याशी मिळत्याजुळत्या वातावरणाची प्रतिकृती प्रयोगशाळेमध्ये निर्माण केली. अशा प्रकारची प्रतिकूल परिस्थिती जीवसृष्टीला लागणाऱ्या मूलभूत घटकांच्या निर्मितीस अनुकूल होती हे त्याने सिद्ध केले. अँटोनी वोन ल्युवेनहॉक या व्यापाऱ्याने एक सूक्ष्मदर्शक तयार केला. त्याचा वापर त्याने लहान लहान जीवांच्या

निरीक्षणासाठी केला. त्याने जीवाणूंचे अस्तित्व जगासमोर आणले. त्याची काही रेखाटने आजही अभ्यासली जातात. लुई पाश्चरने, किण्वन प्रक्रिया कशी घडते? दारू खराब कशी होते? याची कारणे शोधून काढली व त्यातूनच जगण्यासाठी ऑक्सिजन न लागणाऱ्या जीवांचा शोध लावला. 'गरज ही शोधाची जननी आहे' हे त्याच्या विविध संशोधनांनी सिद्ध केले. रॉबर्ट कोक या शास्त्रज्ञाने विविध प्रकारच्या आजारांचा संबंध सूक्ष्मजीवांशी आहे हे दाखवून दिले. आजही त्याने मांडलेली गृहीतके (Postulates) आजार पसरविणाऱ्या जीवाणूंचा शोध घेण्यासाठी आज सुद्धा विचारात घेतली जातात.

अलीकडे विविध क्षेत्रांत वेगवेगळे प्रयोग केले जात आहेत. काही शास्त्रज्ञांना प्रकाशसंश्लेषणासारखी प्रक्रिया काही किटकांमध्येही आढळली आहे. काहींना सूक्ष्म जीवांची मानवी शरीरामध्ये असलेली संख्या ही मानवी पेशीपेक्षा काही पटींनी जास्त आहे असे आढळले. असा कयास केला जातो की सूक्ष्मजीव मानवी शरीराच्या क्रिया नियंत्रित करू शकतात. कोणी हिज्ज-बोसाँन, हे मूलभूत कण शोधून काढले. तर कोणी प्रयोगशाळेत कृत्रिमरीत्या तयार केलेल्या गुणसूत्रांचा वापर करून पेशी तयार केल्या आहेत. दिवसेंदिवस माहितीत पडणारी भर आपल्या कल्पनाशक्तीच्या बाहेरची होत आहे. अंकगणित व संख्याशास्त्र यांचे महत्त्व वाढत आहे. अंकगणित हे जीवशास्त्राचा पुढचा सूक्ष्मदर्शकच म्हणावा लागेल. कारण गणितामुळे अदृश्य गोष्टींचा सुद्धा उलगडा होण्यास मदत होते. सृष्टीमधील वेगवेगळ्या रचना, त्यांची जडणघडण, क्रिया-प्रतिक्रिया आपल्याला गणिती भाषेत, संक्षिप्त स्वरूपात मांडता येतात. तसेच तंत्रज्ञान व गणिताच्या सहाय्याने आपण मानवी शरीरातील भागांचे परीक्षण, निदानच नव्हे; तर उपायही करू शकतो आणि ते ही शस्त्रक्रियेविना! अंकगणित हे सहावे जाणिवेचे स्थान आहे असे म्हटले तरी वावगे ठरणार नाही. कारण केवळ अंदाजावर कुठलाही प्रश्न सुटू शकत नाही.

प्रश्न... प्रश्न... प्रश्न...

मानवांपासून वनस्पती, प्राणी किंवा पक्षी वेगळे आहेत हे सर्व मान्य आहे. जर तुलना करायची झालीच तर ठळक फरक पाहावयास मिळतो तो म्हणजे माणसाकडे असलेली प्रश्न विचारण्याची क्षमता- दिवस-रात्र का होतात? सूर्य कुठून उगवतो? कुठे मावळतो? असे प्रश्न प्राण्यांना कधीही पडत नाहीत आणि जरी पडत असले तरी विशेष फरक पडत नाही. आपण तो विचार केला. आपण सुरुवातीला प्रकाशाबद्दल माहिती गोळा केली. प्रकाश किरण सरळ रेषेत जातात. प्रकाशकिरण परावर्तित करता येतात. अशा साध्या साध्या प्रयोगांतून नवनवीन शोध लावले. आता आपल्याला विद्युतचुंबकीय वर्णक्रमसुद्धा ओळखू शकतो व त्याचा आधार घेऊन विश्वाच्या पसऱ्याबद्दल भाष्य करू शकतो.

आपल्या दैनंदिन व्यवहारात आपण नेहमी अनुभव घेत असतो की जर योग्य उत्तराची अपेक्षा असेल तर नेमका प्रश्न विचारणे हे हितावह ठरते. उदाहरणार्थ, एकदा एका दुकानदाराने त्याच्या नोकराला बाजारातून दोन केळी आणण्यास पाठविले. मात्र, नोकर एकच केळ घेऊन आला. दुकानदाराने नोकराला विचारले, “दोन केळी आणायला सांगितली असता एकच केळ आणलंस. दुसऱ्या केळ्याचं काय केलं?” नोकर म्हणाला, “खाऊन टाकलं.” दुकानदार म्हणाला, “असं कसं काय खाल्लं?” त्यावर नोकराने दुसरे केळसुद्धा खाऊन दाखवले. दुकानदारासमोर पश्चात्तापाशिवाय पर्याय उरला नाही. विज्ञानातही असेच असते, प्रश्न जेवढा नेमका व पडताळणी करून पाहाता येण्याजोगा असेल तर त्याचे उत्तर शोधणे सोपे जाते.

आणखी एक मार्मिक विनोद सांगावासा वाटतो. एकदा दोन मित्र बोलत असतात, बोलता-बोलता एक दुसऱ्या मित्रास म्हणाला, “अरे, माझ्यासमोर प्रश्नच पडत नाहीत” दुसरा मित्र म्हणाला, “फारच छान”. काही वेळाने पहिला दुसऱ्यास म्हणतो, “अरे, मला

ही प्रश्नच पडत नाहीत.” दुसरा वैतागून म्हणाला, “किती छान गोष्ट आहे की तुझ्यासमोर प्रश्न पडत नाहीत ” पहिला लगेच उत्तरतो “माझ्यासमोर प्रश्न पडत नाहीत तर ते उभे रहातात.” या विनोदामागे तात्पर्य एकच की आपल्यासमोर प्रश्न उभे राहाण्याआधी प्रश्न पडायला हवेत.

कधी कधी काही विचित्र प्रश्नांनासुद्धा सामोरं जावं लागतं. गमतीचा भाग सोडल्यास पुढील काही प्रश्न आपल्याला बुचकळ्यात टाकणारे वाटतील. पहिला प्रश्न- जेव्हा एखादा दुर्मिळ प्राणी दुर्मिळ वनस्पतीवरच उपजीविका करत असेल तर त्याचे संरक्षण-संवर्धन कसे करावे? दुसरा प्रश्न- जर संपूर्ण जग रंगमंच असेल तर प्रेक्षक कुठे आहेत? तिसरा प्रश्न- संपूर्णपणे दुष्टपी वागणं हे शक्य आहे का? चौथा प्रश्न- जर तोट्यासंबंधी लिहिल्या गेलेल्या पुस्तकाची विक्रीच झाली नाही तर त्याला यश म्हणावे काय? शास्त्रीयदृष्ट्या चांगला प्रश्न कोणता तर जो घटनेचा किंवा गोष्टींचा योग्य व नेमक्या स्वरूपात वर्णन करतो व त्याचे उत्तर शास्त्रीय परिमाणांचा उपयोग करून सोडवता येतात.

व्याख्या... व्याख्या... व्याख्या...

या भौतिक व नैसर्गिक जगातील घटनांचा अभ्यास करण्यासाठी विज्ञानाची फार मदत होते हे तर आपण पाहिलेच. विज्ञान कारण आणि परिणाम यांची योग्य सांगड घालते. याकरिता विज्ञानात व्याख्येचे महत्त्व अनन्यसाधारण आहे. विज्ञानात आपण व्याख्या करतो, ती समजावून घेतो. ती सार्वत्रिक आहे की विशिष्ट परिस्थितीमध्ये योग्य आहे हे ठरवतो. व्याख्या म्हणजे शब्द, वाक्यप्रचार, चिन्ह इत्यादी गोष्टींचे केलेले योग्य व नेमक्या शब्दांत केलेले वर्णन. व्याख्या बहुतांशी लवचिक असतात. काळानुरूप त्या बदलू शकतात. शास्त्रीय परिमाणांवर तावून सुलाखून निघाल्यावर, बुद्धीच्या कसोटीवर उतरल्यावर प्रचलित व्याख्येमध्ये बदल घडू शकतो. काही गोष्टींची व्याख्या करणं तसं अवघड असतं. काहीशा व्याख्या सांगण्यासाठी, समजण्यासाठी उदाहरणांचासुद्धा वापर करावा लागतो.

उदा. 'लाल' रंगाची व्याख्या करताना आपल्याला कलिंगडाचा गाभा, सफरचंदाची साल, वाहतुकीच्या दिव्याकडे निर्देश करावा लागतो. कुठल्याही गोष्टीचा अभ्यास करताना शब्दांचे वाच्यार्थ व लक्षार्थ हे आपण जाणून घेणं ही महत्त्वाची बाब आहे

अभ्यासातील शब्दकोशाची भूमिका

मी विद्यार्थ्यांना नेहमी एक प्रश्न विचारतो, जो शब्द सर्वांना परिचित आहे आणि काळानुरूप बदल होत गेलेल्या व्याख्येचे ते एक उत्तम उदाहरण आहे. जनुक (Gene) म्हणजे काय? नेमके उत्तर सोडून बऱ्याचदा वेगवेगळी उत्तरे मी ऐकलेली आहेत. जनुक म्हणजे नायट्रोजीनस बेसेसची (Nitrogenous bases) एक क्रमवार अशी विशिष्ट शृंखला, जी तीन पैकी एक प्रकारच्या आरएनएच्या (RNA) निर्मितीस कारणीभूत ठरते व जर एम-आरएनए तयार झाला असेल तर रायबोसोम (Ribosome) त्याचा उपयोग करून, अमायनो ॲसिड्सचा (Amino acid) वापर करून पॉलीपेप्टाइड (Polypeptide) तयार करतो. सांगायचे हेच की, अभ्यासाची सुरुवात चांगले संदर्भ साहित्य, शब्दकोश जमवून करावी, वाचनाची सवय लावावी, त्याचा अर्थ समजून घेणे, समजून घेतलेला अर्थ स्मृतीत ठेवणे गरजेचे आहे. अभ्यास करत असताना शब्दकोशाची मदत जरूर घ्यावी म्हणजे शब्दांचे ओघानेच वाक्यांचे आकलन सुकर होते. आपल्या लिखाणामध्ये, विचारांमध्ये नेमकेपणा येतो, आपल्याला स्वावलंबी बनवतो. शब्दसंग्रह जर असेल तर श्रोत्या-वक्त्यांमधील विचारांची देवाण-घेवाणही योग्य प्रकारे होते, अन्यथा नाही. हेच काय तर आपल्याला एवढी शक्ती प्रदान करू शकतो की आपण या व्याख्या बदलूही शकतो.

सरतेशेवटी, साध्य, साधन, साधना, सद्विचार, सुयोग्य मार्गदर्शन यांचा वापर करून प्रगतीचा मार्ग नक्कीच साधता येतो एवढे सांगून मी विरमतो. धन्यवाद!

★ ★ ★

मी पाहिले तुला...

मी पाहिले तुला...

दवबिंदूतून चमचमताना,
सोनेरी किरणांमधून डोकावताना,
पांढऱ्या ढगांवर स्वार होताना,
आणि पाना-फुलांमधून सळसळताना...

मी पाहिले तुला...

पक्ष्यांच्या थव्यात किलबिल करताना,
सांज सावलीचा खेळ खेळताना,
कातरवेळेचे रंग उधळताना
आणि, गडद अंधारात अदृश्य होताना...

मी पाहिले तुला...

चांदण्यांशी हितगुज करताना,
नक्षत्रांशी देणं-घेणं वाटताना,
वाऱ्याबरोबर सैरावैरा धावताना,
आणि, चंद्राच्या शीतल छायेत अलगद
निजताना...

मी पाहिले तुला...

भविष्याची सांगड घालताना,
दुःखाचा डोंगर दूर लोटताना,
मनातल्या जखमांवर फुंकर मारताना,
आणि, इतरांना खोटं-खोटं हसून दाखवताना...

मी पाहिले तुला...

संकटांशी दोन हात करताना,
सत्याच्या वाटेवरून चालताना,
वाटसरुंना वाट दाखवताना,
आणि राखेतूनही नवी रांगोळी रेखताना...

मीच पाहिले तुला, फक्त मीच पाहिले तुला,
मी आहे तुझीच सावली,
तुझ्या जीवनातली मुकी बाहुली...

सोनाली किसन आंधरे, (एम.ए. मराठी)

१९ व्या शतकातील महाराष्ट्र आणि समाजसुधारक

डॉ. मंदा किशोर आदमाने

१९ व्या शतकापासून भारतीय समाजात ज्या सामाजिक, धार्मिक सुधारणा चळवळी निर्माण झाल्या त्याचे मूलसूत्र म्हणजे ब्रिटिशांकडून मिळालेले प्रभावी पाश्चात्य ज्ञान होय. अनादी कालापासून भारतावर अनेक आक्रमणे झाली; परंतु ब्रिटिशांची सत्ता मिळविण्याची प्रवृत्ती इतरांकडून वेगळी व वैशिष्ट्यपूर्ण ठरली. या आक्रमकांजवळ प्रगत समाजव्यवस्था, वैज्ञानिक दृष्टी, सुसंघटित प्रशासनाची योग्यता आणि दुसऱ्यांना प्रभावित करण्याची क्षमता अतुलनीय होती. त्यांनी सावधपणे व चातुर्याने भारतातील एकेक प्रांत गिळंकृत करून तेथे कायद्याचे प्रभावी राज्य निर्माण करून भारताला राजकीय एकसूत्रतेत बांधले होते.

पेशवाईच्या शेवटच्या काळात राजकीय, धार्मिक, आर्थिक दृष्टीने समाज रसातळाला पोहोचलेला होता. आत्तापर्यंत राजेशाहीतील स्वैर, गलथान राज्यकारभाराची सवय झालेल्या जनतेला या आधुनिक राज्य पद्धतीने प्रभावित केले होते. त्यामुळे काही काळ भारतीय समाज ब्रिटिश राजवटीपुढे नतमस्तक झालेला होता.

भारतीय जीवनाच्या सर्व क्षेत्राला धर्माने प्रभावित केले असले तरी धर्मासाठी स्वराज्य संरक्षणाची आवश्यकता असते. याची जाणीव संत रामदास, शिवाजी महाराजांचा अपवाद सोडता इतर राज्यकर्त्यांमध्ये नसलेली आढळते. म्हणूनच राजकीय क्षेत्रात परकीय सत्तेचे नियंत्रण प्रस्थापित होत असले तरी समाजाने त्याचा प्रखर विरोध केलेला दिसून येत नाही. पण, स्वधर्मांमध्ये दुसऱ्या धर्माचे आक्रमण सहजासहजी स्वीकारलेले नाही. त्यासाठी समाजातूनच धर्मरक्षक संत निर्माण झाले ज्यांनी आपल्या धर्मातील अशुद्ध आवरण बाजूला सारून मानवतावदी धर्माचा

पुरस्कार केला. पण अशी परंपरा राजकीय, आर्थिक क्षेत्रात निर्माण झालेली दिसत नाही. त्यामुळे भारतीय समाजाला जडत्व शतकानुशतके प्राप्त झालेले दिसते.

ब्रिटिश ईस्ट इंडिया कंपनीने सत्ता मिळविल्यानंतर भारतीय मानसिकतेचा विचार करून शिक्षणाच्या माध्यमातून वैचारिक क्रांतीचे समाजव्यवस्थेतील बदल घडविण्याचा प्रयत्न केला. ब्रिटिश गव्हर्नर माऊंट स्टुअर्ट एल्फिन्स्टनने ईस्ट इंडिया कंपनीकडून सात कलमी मेकॉलेची शैक्षणिक योजना पास करून भारतात इ.स. १८२३ पासून अनेक शिक्षण संस्था स्थानीय व इंग्रजी माध्यमातून ज्ञान प्रसारासाठी सुरू केल्या.

ब्रिटिशांकडून मिळालेल्या शिक्षणाच्या प्रभावामुळे सुशिक्षितांच्या पहिल्या पिढीने ब्रिटिश साम्राज्याचे स्वागत केले. ब्रिटिश सरकारचे पाश्चात्य ज्ञान भारतीयांना देण्याचे उद्देश वेगवेगळे असले तरी या ज्ञानाच्या परिचयामुळे त्यांच्या विचारांमध्ये परिवर्तन येण्यास मदत झाली. सुरुवातीला हा बदल अंधानुकरणाकडे वळलेला असला तरी पाश्चात्य ज्ञानाचे महत्त्व एतद्देशीय लोकांना पटू लागले. सरकारी नोकरीत प्रवेश मिळविणे हे पहिल्या पिढीतील अर्धशिक्षित उच्चवर्णीयांचे ध्येय बनले होते. पाश्चात्य शिक्षणामुळे भारतीय समाजात नवचैतन्याचे वारे निर्माण होऊ लागले. या ज्ञान प्रसाराच्या कार्याला तत्कालीन धर्मसमजुतींचा उपद्रव होत असला तरी नोकरी मिळविण्याचे उपयुक्त साधन म्हणून हळूहळू इंग्रजी शिक्षणाकडे समाज वळू लागला. नवशिक्षित तरुण युरोपीय राष्ट्रांच्या जीवनाची तुलना आपल्या समाजजीवनाशी करू लागले तेव्हा त्यांना आपल्या समाजातील दोष, दांभिकता, गतीहीनता प्रकर्षाने जाणवू लागली. त्यांच्यामध्ये आत्मपरीक्षणाची दृष्टी पाश्चात्य

ज्ञानाने प्राप्त झाल्याने धर्म, समाजकारण, राजकारण, अर्थकारण, साहित्य, वाङ्मय, रूढी, परंपरा या सर्व दृष्टिकोणातून पाश्चात्यांशी तुलना करताना आपल्या समाजात परिवर्तन घडून आले पाहिजे असे त्यांना वाटू लागले.

१९ व्या शतकापासून भारतीय समाजात पाश्चात्य शिक्षणाच्या प्रभावामुळे वैचारिक प्रबोधनाला, पुनरुज्जीवनाला सुरुवात होऊ लागली. या काळात जी विचारजागृती होऊ लागली ती केवळ धार्मिक समाजापुरती मर्यादित न राहाता आर्थिक व राजकीय बाबतीतही निर्माण होऊ लागली. पण सामाजिक, धार्मिकदृष्ट्या हा प्रबोधनाचा काळ महत्त्वपूर्ण ठरला. शिक्षण आणि दळणवळणाच्या साधनांमुळे धर्मभावनेला तडा जाण्यास सुरुवात होऊन परिस्थितीनुसार होणारे परिवर्तन भारतीय समाजात वैचारिक संघर्षात गुरफटू लागले. धर्मातील श्रद्धास्थाने, पारलौकिक दृष्टी, परंपरा, कर्मकांड, ऐहिक जीवनाविषयी उदासीनता, उद्योगहीनता या सर्वांवर आघात होऊन विज्ञानप्रणीत समाजाचा पुरस्कार करणारा वर्ग समाजात निर्माण होऊ लागला. आधुनिक शिक्षण घेतलेल्या सुशिक्षितांना आपल्या समाजरचनेतील अवनती स्थितिप्रियता लक्षात आल्यानंतर त्यांनी मुद्रणकलेचा उपयोग करून नियकालिकाच्या आधारे आपले प्रगत विचार समाजापुढे मांडण्यास सुरुवात केली. परंतु या सुरुवातीच्या काळात विचारवंतांना वैचारिक संघर्ष मोठ्या प्रमाणात करावा लागला. त्यातूनच भारतात सामाजिक प्रबोधनाला सुरुवात झाली.

ब्रिटिशांच्या सुरुवातीच्या काळात त्यांच्या व्यापारी व शैक्षणिक धोरणामुळे भारतात नव्याने व्यापारी व सुशिक्षित मध्यमवर्ग निर्माण होऊ लागला. इ.स. १८३० च्या सुमारास या वर्गाने ब्रिटिश साम्राज्याचे श्रेष्ठत्व मान्य करून त्यांचे गुणगान करण्यात धन्यता मानली त्यांची राजनिष्ठेने सेवा केली आणि सामाजिक

व धार्मिक बंधनाविरुद्ध बंड करण्यात तो अग्रेसर झाला.

भारतात समाजप्रबोधनाचे कार्य एकोणिसाव्या शतकाच्या सुरुवातीपासून झाले असले तरी त्या काळात राष्ट्रीयत्वाची भावना आजच्याप्रमाणे प्रज्वलीत झालेली नव्हती. राजाराम मोहन रॉय यांच्या कार्यापासून समाज प्रबोधनाला सुरुवात होऊन महात्मा ज्योतिबा फुले, न्यायमूर्ती रानडे यांच्या काळापर्यंत भारतीय राष्ट्रवादाची भावना सुप्तावस्थेतच होती. या सुधारणावादी लोकांनी समाजाच्या सर्वांगीण सुधारणेचे कार्य करताना आपल्या विचारांमधून आधुनिक भारतीय राष्ट्रीयत्वाला जन्म दिला होता. त्यांच्या प्रचारकार्यातून आणि ब्रिटिशांच्या साम्राज्यवादी धोरणामधून हळूहळू राष्ट्रीयत्वाची भावना जोपासली गेली. त्यांनी सुरू केलेल्या समाजप्रबोधनामुळे, सुधारणावादी विचारांनी भारतात विचारक्रांतीची बीजे रोवली जाऊन सर्वांगीण विकासाने नव्या निकोप समाजाची उभारणी करण्याचे ध्येय या सुधारकांनी आपल्यासमोर ठेवले होते. त्यांनी समाजाला अंधारयुगातून बाहेर काढून नवी दिशा दाखविण्याचे महान कार्य केले.

राजाराम मोहन रॉय (इ.स. १७७२-१८३२) हे भारतातील आद्य समाजसुधारक मानले जातात. त्यांच्या काळात समाज जुन्या बुरसटलेल्या विचारांनी, कर्मकांडाने आणि अंधविश्वासाने भारलेला होता. अशा समाजाला आपले पुरोगामी विचार सांगण्याचे धाडस त्यांनी केले. त्यांनी धर्म सुधारणेवर भर देऊन समाजाच्या सर्वांगीण विकासाच्या दृष्टीने आपल्या कार्याचे ध्येय निश्चित केले होते. (इ.स. १८२६ ला वेदान्त कॉलेज काढून धर्मशास्त्र, तत्त्वज्ञानाच्या शिक्षणाबरोबरच त्यांनी पाश्चात्य भौतिक ज्ञान मिळावे यासाठी प्रयत्न केले.) राजा राम मोहन रॉय यांनी सर्वप्रथम धर्म सुधारणा नंतर समाजसुधारणा व त्यानंतर राजकीय व आर्थिक सुधारणांकडे क्रमाक्रमाने सर्वांगीण सुधारणेचे विचार आपल्या लेखनातून मांडून समाजसुधारणेचे कार्य केले.

ज्याप्रमाणे बंगालमध्ये राजाराम मोहन रॉय यांनी समाज कार्याला सुरुवात केली, त्याचप्रमाणे महाराष्ट्रातही बाळशास्त्री जांभेकरांना (इ.स. १८१२-१८४६) पाश्चात्य शिक्षणाच्या अध्ययनाने नवी दृष्टी प्राप्त होऊन त्यांनाही आपल्या समाजातील शिथिलता जाणवली होती. कॉलेज प्रोफेसर, एज्युकेशनल इन्स्पेक्टर, प्राचार्य इ. पदांवर कार्य करून शिक्षणविषयक व ऐतिहासिक संशोधनाबरोबर त्यांनी समाजकार्य केले. ज्ञान हीच मानवी जीवनाची खरी शक्ती आहे व या शक्तीच्या बळावर आपण आपले धार्मिक, सामाजिक, राजकीय, आर्थिक प्रश्न सोडवून, आपल्यामध्ये सुधारणा घडवून पाश्चात्यांच्या बरोबरीचे स्थान मिळवू शकतो. असा त्यांना आत्मविश्वास होता. समाजहिताच्या दृष्टीने जनजागरणाचे कार्य मराठीतून वृत्तपत्र काढून आदर्श निर्माण केल्यामुळे सर रावबहादूर चंदावरकरांनी त्यांना आधुनिक महाराष्ट्रातील आद्यऋषी म्हटले आहे.

लक्ष्मणशास्त्री, मोर भट दांडेकर, नारायणराव कृष्णशास्त्री साठेसारख्या धर्मपंडितांनी पुढाकार घेऊन आपल्या धर्माची माहिती लोकांना देऊन ख्रिस्ती धर्माच्या आक्रमणाविरुद्ध पाऊल उचलले. धर्म मानवी जीवनात संपूर्णपणे व्यापला असला तरी व्यावहारिक जीवनासाठी निरुपयोगी ठरला. भौतिक जीवनात धर्माचा वापर राजकीय, आर्थिक, सामाजिक क्षेत्रात उत्कर्षाचा मार्ग दाखविण्यास साहाय्यक ठरला नाही. मराठी ग्रंथ निर्मितीच्या योजनेत भाषांतराच्या निमित्ताने काही शास्त्री पं. बैजनाथ शास्त्री, रामचंद्र शास्त्री, जान्हवेकर, जगन्नाथ शास्त्री क्रमवंत, बापू छत्रे, हरी केशवजी, बाळशास्त्री जांभेकर, गंगाधरशास्त्री फडके, दादोबा पांडूरंग इ. मंडळींनी शालोपयोगी साहित्य निर्माण करून एका अर्थाने महाराष्ट्रातील शिक्षण पद्धतीचा पाया घातला. शास्त्र आणि व्यवहार यांचा समन्वय साधला पाहिजे. आपल्या जीवनात त्यासाठी आमूलाग्र बदल झाला पाहिजे. धार्मिक चालीरीती व

सामाजिक विचार आपल्या ज्ञानाचा उपयोग करण्यास पुढे सरसावले त्यात बाळशास्त्री जांभेकर अग्रगण्य होते.

जांभेकरांनी स्त्री-शिक्षण, पुनर्विवाह व स्त्रियांच्या प्रश्नांवर चर्चा करून सामाजिक सुधारणेत आस्था दाखविली होती. पण त्यांच्या कर्तृत्वाला मर्यादा पडलेल्या होत्या. त्यांचे अल्पकालीन जीवन, त्याचप्रमाणे स्वतःचे कुटुंब व सभोवतालच्या परिस्थितीचा विचार करता ते प्रगतशील व्यवहारवादी सुधारक ठरले. खऱ्या धर्माला राजसत्तेच्या आधाराची गरज भासूनये. स्वतःच्या बळावरच कुठेही त्याने आपला प्रभाव पाडावा असे (ख्रिस्ती धर्माच्या बाबतीत त्यांचे विचार होते.) वाटत होते. म्हणजेच संपूर्ण सामाजिक व धार्मिक सुधारणा हेच त्यांच्या प्रबोधनाचे ध्येय होते.

जांभेकरांच्या विचारांमध्ये समतोलपणा, सौम्यता होती, पण विष्णूबाबा ब्रह्मचारी (इ.स. १९२५-७१) हे आक्रमक वृत्तीचे होते. वैदिक धर्मावर त्यांचा विश्वास होता. त्यांनी लेखन, चर्चा, भाषण आणि वादविवादांद्वारे ख्रिस्ती धर्मावर टीका करून त्यांच्या धार्मिक आक्रमणाचा जागरूकतेने, खंबीरपणे प्रतिकार करण्याचा उपदेश केला. बालावृद्ध विवाह, बहुपत्नीकत्व विवाह, सतीप्रथा इ. अनिष्ट चालीरीतींचा निषेध करून त्यांनी स्त्री-शिक्षण, प्रौढविवाह, पुनर्विवाह, घटस्फोट, मंदिर प्रवेश, शुद्धिकरण, जलपर्यटन इ. गोष्टींचा त्यांनी सतत पुरस्कार करून आपल्या प्रभावी वक्तृत्वाने समाजात खळबळ निर्माण केली होती.

ब्रह्मचारीप्रमाणेच धर्मसुधारणा व समाजसुधारणेचे उद्देश निश्चित करून मुंबईमध्ये १८५० मध्ये राम बाळकृष्णांच्या अध्यक्षतेखाली परमहंस सभा स्थापन करण्यात आली. दादोबा पांडूरंग तर्खडकर (१८१४-८२) हे ह्या सभेचे प्रवक्ते व मार्गदर्शक होते. त्यांच्या विचारांचे नीतिपूर्वक सप्रेम ईश्वरभक्ती हाच धर्म हे मुख्य सूत्र होते. मनुष्याच्या कर्तृत्वानुसार, योग्यतेनुसार त्या

व्यक्तीला समाजात स्थान मिळावे, जातिभेद नष्ट झाल्याशिवाय समाजाची सुधारणा होणे अशक्य आहे. जातिबंधने ही मनुष्यनिर्मित असल्यामुळे अन्नोदक व्यवहार, विवाह व व्यवसाय या संबंधीचे नियम समाजोत्कर्षासाठी बाधक आहेत, राजकीयदृष्ट्या प्रत्यक्ष व्यावहारिक जीवनात ते त्याज्य मानले जावे. या कृत्रिम बंधनांच्या पाशातून मुक्त झाल्याशिवाय ऐहिक व पारमार्थिक उन्नती होणे अशक्य आहे असे त्यांचे मत होते. त्याचप्रमाणे त्यांचे स्त्रीशिक्षण, प्रौढविवाह, पुनर्विवाह, एकपत्नीव्रत याविषयीचे विचार उदारमतवादी होते.

भाऊ महाजन (इ.स. १८१८-९०) यांनी गरीबावस्थेतून आपले शिक्षण घेऊन समाजकार्य करण्याचे ध्येय ठेवले होते. २४ ऑक्टो. १८४१ ला 'प्रभाकर' हे वृत्तपत्र काढून सामाजिक, राजकीय, धार्मिक, सांस्कृतिक विषयांवर प्रगतीशील विचार मांडून समाजातील अनिष्ट परंपरा नष्ट करण्याचा आग्रह धरला होता. त्याचप्रमाणे डॉ. भाऊ दाजी, नाना शंकर सेठ यांनी समाज सुधारणेच्या कार्यात विविध क्षेत्रांत महत्त्वपूर्ण कामगिरी बजावली होती. अनेक शिक्षणसंस्थांना हातभार लावून समाजातील जास्तीत जास्त वर्ग शिक्षणाकडे आकर्षिला जाईल याकडे लक्ष केंद्रित केले. नाना शंकर शेटांनी शिक्षण क्षेत्रामार्फत तर डॉ. दाजींनी वैद्यकीय क्षेत्रात राहून समाजप्रबोधनाचे कार्य केले होते. स्त्री-शिक्षण व त्यांच्या समस्यांवर विचारप्रबोधनाचे कार्य करून समाजाचे आरोग्य सुधारण्याचा प्रयत्न केला होता.

महाराष्ट्राच्या समाजसुधारकांच्या मालिकेतील आगळेवेगळे व्यक्तिमत्त्व म्हणजे ज्योतिबा गोविंद फुले (इ.स. १८२७-१८९०) यांचे होते. बहुसंख्य समाजासाठी सामाजिक व आर्थिक सुधारणांची आवश्यकता पटवून देताना त्यांच्या प्राथमिक गरजांकडे लक्ष देणारे पहिले सुधारक होय. (ब्रिटिश राजवटीच्या वास्तव स्वरूपाचे त्यांना आकलन झाले नसले तरी)

बहुजन समाजाच्या उद्धाराची नवीन दिशा त्यांनीच प्रथम हिंदु समाजाला दाखवून दिली. बहुजन समाजाला शिक्षणाचे महत्त्व पटवून देऊन त्यांनी गावडे, परांजपे आणि वाळवेकर या मित्रांच्या साहाय्याने दलितांसाठी शाळा सुरू केली. महाराष्ट्रामध्ये अस्पृश्यता निवारणाची चळवळ त्यांनीच प्रथमतः सुरू केली. उपेक्षित व दलित समाजातील लोकांच्या शिक्षणाचा पाया घालून भारतात पुढील काळात झालेल्या मोठ्या समाजक्रांतीची सुरुवात त्यांनी केली होती.

फुल्यांच्या धार्मिक व सामाजिक गुलामगिरीचे संस्कार नाहीसे करण्याच्या त्यांच्या भूमिकेचे कोणी स्वागत केले नाही. त्यांच्या विचारातील ब्राह्मणविरोध तेवढा त्यांच्या अनुयायांनी आत्मसात केला. त्यामुळे ज्योतीरावांच्या संप्रदायास वेगळे वळण लागले; परंतु बहुजन समाजाविषयी तळमळ असलेले निष्ठावंत पुढारी या नात्याने फुल्यांची कामगिरी महाराष्ट्राच्या सामाजिक क्षेत्रात महत्त्वपूर्ण मानली जाते. या चळवळीने समाजातील खालच्या थरापर्यंत जनजागृतीचे कार्य केल्यामुळे सर्व समाज खऱ्या अर्थाने वैचारिक मंथनाने ढवळून निघालेला होता. तरी या चळवळीच्या पुढील प्रचारकांमध्ये ब्रिटिश राजकारणाचे आकलन करण्याची पात्रता नसल्याने ही चळवळ नोकरशाहीच्या हातचे खेळणे बनली होती आणि तिला माँटेग्यु सुधारणेनंतर अराष्ट्रीय राजकारणातून विघातक स्वरूप आले, तथापि ज्योतीराव फुले यांचे महाराष्ट्रातील आद्य सुधारकांमध्ये प्रामुख्याने गणना करणे आवश्यक आहे.

ज्योतीराव फुल्यांचे समकालीन लोकहितवादी (इ.स. १८२३-९२) हे महाराष्ट्राच्या समाज सुधारणेस निश्चित दिशा दाखविणारे एक प्रभावी व्यक्तिमत्त्व होय. लोकहितवादींची शतपत्रे महाराष्ट्राच्या सामाजिक प्रबोधनाची गंगोत्रीच होती. त्यांनी आपली वास्तविक स्थिती आणि पुढील सुधारणेची दिशा लोकांच्या लक्षात यावी म्हणून सतत दोन वर्ष 'प्रभाकरा'मधून, शतपत्रामधून विचारप्रबोधन देण्याचे कार्य केले.

लोकहितवादींनी आर्थिक विचारांमध्ये स्वदेशी, उद्योगशीलता, श्रम करण्यावर भर दिलेला आहे. ब्रिटिश राज्यकर्ते आमचा उद्धार करण्यासाठी येथे आले असले तरी त्यांचा आर्थिक स्वार्थ मोठा आहे. याची जाणीव लोकहितवादींना होती म्हणून स्वदेशी, बहिष्कार या आर्थिक शस्त्रांचा वापर करण्याचा उपदेश त्यांनी केला आहे. या आद्यसुधारकांच्या कार्यामुळे भारतीय समाजजीवनात राष्ट्रीयत्वाची भावना हळूहळू प्रज्वलित होऊ लागली.

भारतीय समाजाला जे जडत्व प्राप्त झाले होते. त्या जडत्वाला तडे देण्याचे कार्य या आद्य सुधारकांनी केल्यामुळे पुढे रानडे, चिपळूणकर, टिळक, आगरकर या सारख्या सुधारकांना समाजकार्य करणे सुसह्य झाले. महाराष्ट्रातील सामाजिक प्रबोधनामध्ये न्या. रानडे, प्राचार्य गो. ग. आगरकर यांनी केलेली बहुमोल कामगिरी ती त्यांच्या उज्वल देशप्रेमाला, विवेकनिष्ठ, प्रगतीशील राष्ट्रनिष्ठेला अनुरूप अशीच होती. त्यांच्या काळापासूनच कृतिशील, निःस्वार्थ, त्यागी प्रवृत्तीच्या समाज सुधारणा कार्याला सुरुवात झालेली होती. रानडे आणि आगरकर यांनी देशाचा सर्वांगीण सुधारणेचा दृष्टिकोन समोर ठेवून राजकीय, आर्थिक, सामाजिक, धार्मिक, वाङ्मय इ. सर्व क्षेत्रांत कार्य करण्यास सुरुवात केली. त्यामुळे त्यांचा कालखंड समाजप्रबोधनाच्या दृष्टीने महत्त्वपूर्ण ठरला. या काळात चिपळूणकर यांनी निबंधमाला लिहून समाजप्रबोधनाचे कार्य करताना कृतिशील समाजकार्यासाठी टिळक-आगरकरांसारख्या तरुणांना हाताशी धरले होते. रानड्यांनीही दादोबा पांडुरंग, विष्णुशास्त्री पंडितांसारखे कार्य करण्याची ईर्ष्या निर्माण होऊन पुढे सर्वांगीण समाजसुधारणेसाठी नवीन दिशा प्राप्त झाली होती असे वाटते.

आद्य सुधारकांच्या काळात समाज पूर्णपणे धार्मिक अंधश्रद्धेत अनिष्ट रूढी-परंपरा आणि कर्मकांडांमध्ये सामावलेला दिसून येतो. त्यांना समाज, देशाबाबत राजकीय व आर्थिक कर्तव्याची जाणीव नव्हती. ऐहिक

जीवनात जास्तीत जास्त कठोर व्रत, धर्मकार्ये केली, तर आध्यात्मिक जीवन सुखावह होईल याची जाणिवेने पारमार्थिक जीवन जगण्याचा प्रयत्न करित होती. त्या जीवनातील मनुष्यहितेची जाणीव त्यांना राहिली नव्हती. अशा अंधारमय समाजात ज्ञानाच्या प्रकाशाकडे नेण्याचे कार्य करून त्यांच्या विचारातील पारंपरिक मळभ दूर करण्याचा प्रयत्न सुरू केला होता. त्यांच्याच ह्या कार्याला पुढे नेऊन रानडे-आगरकरांनी लोकांना मानवी जीवनाच्या सर्वांगीण सुधारणेचा मार्ग दाखविला व समाजाला, प्रगतशील समाजाचे दर्शन देऊन त्याप्रमाणे राष्ट्र उभारणीचे कार्य करण्याचा मार्ग दाखविला होता.

१९ व्या शतकात महाराष्ट्रात समाजसुधारकांनी त्यागी वृत्तीने व समाजहितास योग्य ठरेल असे विचार आपल्या लेखनातून, वृत्तपत्रांतून आणि भाषणांतून देऊन समाजजागृतीचे आणि प्रबोधनाचे कार्य यशस्वीरीत्या केले होते. त्यांचे कार्य आधुनिक भारत निर्माण होण्यास महत्त्वपूर्ण ठरले होते.

संदर्भ ग्रंथ-

- १) आचार्य शं. द. जावडेकर, आधुनिक भारत (पुणे १९३८)
- २) त्र्यं. कृ. टोपे, न्या. महादेव गोविंद रानडे, व्यक्ती, कार्य आणि कर्तृत्व (पुणे १९९२)
- ३) अ. का. प्रियोळकर (संपादक), लोकहितवादीकृत निबंध संग्रह (मुंबई १९६७)
- ४) न. र. फाटक, न्या. म. गो. रानडे यांचे चरित्र (पुणे १९६६)
- ५) ग. गं. जांभेकर (संपादक), बा. ग. जांभेकर यांची जीवनवृत्त आणि लेखसंग्रह, खंड-१ (पुणे १९५०)
- ६) डॉ. मोरेश्वर गोविंद रानडे, महाराष्ट्रातील समाजविचार, १८१८ ते १८७८ (पुणे-नागपूर १९७१)
- ७) विष्णूबुवा ब्रह्मचारी, वेदोक्त धर्म प्रकाश (१९५९)
- ८) अ. का. प्रियोळकर, परमहंस व तिचे अध्यक्ष रामचंद्र बाळकृष्ण (धर्म विवेचन सह) (मुंबई १९६६)
- ९) अ. का. प्रियोळकर, रावबहादूर दादोबा पांडुरंग (मुंबई १९४७)

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यथा दुर्गाश्रितान् एतान् नोपहिंसन्ति शत्रवः ।

तथोऽअरयो न हिंसन्ति नृपं दुर्गसमाश्रितम् ॥

एकः शतं योधयति प्राकारस्थो धनुर्धरः ।

शतं दशसहस्राणि तस्माद् दुर्गं विधीयते ॥

दुर्गामध्ये लपलेला एक धनुर्धर बाहेरून आक्रमण करणाऱ्या शंभर योद्ध्यांना पुरून उरतो अन् असे शंभर दशसहस्रांशी लढू शकतात. हरणासारख्या श्वापदांनी दुर्गाचा आश्रय घेताच ती जशी भयमुक्त होतात, अगदी त्याचप्रमाणे, दुर्गामध्ये आश्रय घेतलेला राजा शत्रूच्या भयापासून मुक्त होतो.

हे म्हणणे आहे स्मृतिकार मनूचे, ज्याने दुर्ग या विषयावर अतिशय नेमके अन् मार्मिक भाष्य केले आहे. हे तर केवळ उदाहरण म्हणायचे. तत्कालीन स्मृतिकारांनी, नीतिकारांनी, राज्यशास्त्राच्या भाष्यकारांनी दुर्ग या विषयावर विपुल लेखन केलेले आढळते. अगदी ओझरता उेख करायचा म्हटले तरी ऋग्वेदासारख्या अतिशय प्राचीन मानल्या जाणाऱ्या साहित्यामध्येही दुर्ग या विषयावर अनेकविध अवतरणे आढळतात. यातून एक गोष्ट विशेषत्वाचे अधोरेखित होते ती म्हणजे या अतिशय महत्त्वाच्या विषयाचे मानले गेलेले प्राचीनत्व.

दुर्ग हा विषय भारतीयांच्या व त्यातूनही विशेषकरून महाराष्ट्रांयिंच्या दृष्टीने कितीही मर्माचा असला, तरीही या दुर्गाचे आस्तत्त्व या धरित्रीमंडलावर कित्येक सहस्रकांपासून आहे. आपणा सर्वांना शिवछत्रपतींविषयी अपार आदर आहे. केवळ त्यांचाच नव्हे, तर त्यांनी रचलेल्या, झुंजवलेल्या दुर्गाचा ताठरपणा अन् कणखरपणा महाराष्ट्रांयिंच्या वृत्तीतही भिनलेला आहे. या पार्श्वभूमीवर विचार करताना एक गोष्ट प्रामुख्याने जाणवते की, शिवछत्रपती हे या अलौकिक वारशाचे शेवटचे टोक आहेत. पहिले टोक आपल्याला सापडते ते पॅलेस्टाईनमधील जेरिको सिटी

नावाच्या शहराच्या पुरातत्त्वीय अवशेषांमध्ये. या शहराचा पुरातत्त्ववेत्त्यांनी उत्खनित केलेला अकरा हजार वर्षांपूर्वीचा विसावा थर व त्यातील अवशेष हे त्यांच्या मते एका शहराचे व त्या शहराला वेढून असलेल्या दगडी तटबंदीचे आहेत!

अकरा हजार वर्षे हा कालावधी प्रचंड आहे. जेरिको सिटीपासून ते शिवछत्रपतींच्या काळापर्यंत जगभरातील साऱ्याच मानवी संस्कृतींनी संरक्षणासाठी वा आक्रमणांसाठी नाना परींच्या दुर्गांची रचना केली. निरनिराळ्या कालखंडांमध्ये, त्या त्या कालखंडांची वैशिष्ट्ये दाखविणाऱ्या दुर्गरचना झाल्या. प्रादेशिक, भौगोलिक, सामाजिक, राजकीय यांसारखी गुणवैशिष्ट्ये व आस्मता घेऊन त्या त्या राज्यकर्त्यांनी अनुरूप दुर्ग रचले. किंबहुना दुर्ग रचण्याच्या त्यांच्या दुर्दम्य इच्छाशक्तीमागे उपरोक्त कारणांपैकी एक वा अनेक कारणे होती. त्या त्या कारणांना अनुरूप असलेल्या प्रकारांचे दुर्ग त्यांच्या त्या निर्मात्यांनी रचून आपापल्या राज्यांचे, आपापल्या देशांचे, आपापल्या संस्कृतींचे जीवप्राणे रक्षण करायचा नेटका, नेमस्त अन् प्रामाणिक प्रयत्न केला.

हिंदुस्थानापुरते बोलायचे झाले तर, सिंधुसंस्कृतीमधील बहुसंख्य नगरे ही दुर्गरूप होती. त्या नगरांभोवतीच्या विटांच्या तटबंदी आज उत्खननात उजेडात आलेल्या आहेत. आपल्या देशातील दुर्गांची ही आद्यरूपे मानायला हरकत नाही. दुसऱ्या शब्दांमध्ये सांगायचे झाले तर हिंदुस्थानातील दुर्गाचा इतिहास हा इतका जुना, म्हणजे साडेपाच ते सहा हजार वर्षे पुरातन आहे.

सुरुवात ही अशी आहे. त्यानंतर अनेक संस्कृती उदेल्या अन् लोपल्या. त्यांना त्यांना साजेशा दुर्गरचना त्यांनी केल्या. शिल्पी, शिल्पशास्त्रींच्या अनेक पिढ्यांनी आपापल्या वकुबानुसार त्यात भर घातली. तीच गत

होती शास्त्रकारांची. दुर्गरचनांची शास्त्रशुद्धे रूपे त्यांनी आपापल्या टीकाग्रंथांमध्ये सिद्ध केली. त्यांचे बाह्याकार अन् त्यामागच्या कारणपरंपरांची अंतरंगे त्यांनी शास्त्रशुद्ध पद्धतीने विशद केली. शास्त्रार्थाच्या आधारावर राज्यार्थ रूढ अर्थाने व्यापक बनला. कालाच्या विस्तीर्ण पटावर दुर्गाच्या मोहऱ्यांनी आपला जम बसवायला सुरुवात केली. दुर्गाच्या इतिहासात कालपटाचे महत्त्व वादातीत आहे, कारण या दुर्गांनी केवळ देशाप्रदेशांचाच नाही तर, मानवतेचाही इतिहास घडवलेला आहे. त्या दृष्टीनेच यांचे महत्त्व वादातीत म्हणायला हवे.

हिंदुस्थानात मोठ्या प्रमाणात दुर्ग आहेत. आपल्या खंडप्राय देशाची भौगोलिक विषमता अतर्क्य मानावी अशीच आहे अन् त्या विषमतेला साजेल अशाच दुर्गांच्या श्रेणी आपल्या देशामध्ये आहेत. किंबहुना आपल्या भौगोलिक व प्रादेशिक वैशिष्ट्यांच्याच आधारावर तेथल्या भाष्यकारांनी, स्मृतिकारांनी, शास्त्रकारांनी निरनिराळ्या दुर्गांची वैशिष्ट्ये सांगितली व बहुधा त्यानुसार शिल्पशास्त्रींनी प्रत्यक्ष रचना साकारली किंवा शिल्पींनी रचलेल्या दुर्गांच्या अनुरोधाने शास्त्रकारांनी दुर्गवैशिष्ट्यांचा ऊहापोह केला. ते कसेही असो. महत्त्वाचे असे की, प्रादेशिक वैशिष्ट्यांच्या आधारावर नानाविध प्रकारच्या दुर्गांची कल्पना करून त्या रचना आसेतुहिमाचल रचणारा आपला देश अद्वितीयच म्हणावा लागेल.

हा अद्वितीय वारसा आपल्या महाराष्ट्रदेशी भरपूर प्रमाणात दिसून येतो. मरूदुर्ग - वाळवंटातील दुर्गांचा अपवाद सोडला, तर इतर सर्वच प्रकारचे दुर्ग महाराष्ट्रदेशी आढळतात. साऱ्याच भाष्यकारांच्या, नीतिशास्त्रकारांच्या मतानुसार सर्वोत्तम मानला जाणारा जो गिरीदुर्ग, त्याची तर या महाराष्ट्रमंडळी हेवा वाटावा इतकी विपुलता आहे. महाराष्ट्रातल्या गिरीदुर्गांइतके गिरीदुर्ग जगात इतरत्र कोठेही नाहीत. आपल्या वाट्याला आलेल्या सहासातशे कि.मी. लांबीच्या सह्याद्रीच्या रांगांमध्ये जवळपास तीनसाडेतीनशे गिरीदुर्गांची रचना केली गेली आहे.

कुणी केली ही रचना? कधी केली ही रचना? कोणत्या कारणासाठी केली गेली या दुर्गांची रचना? दुर्गांची कालनिश्चिती हा दुर्गांच्या शास्त्रीय अभ्यासासाठी कराव्या लागणाऱ्या अभ्यासाचा पाया आहे. जोपर्यंत याविषयी ठोस अन् शास्त्रशुद्ध काम होत नाही, तोपर्यंत होत असलेले इतर काम ही बिनपायाची इमारत म्हणावे असेच असेल.

महाराष्ट्रातील, विशेषतः सह्याद्रीतील दुर्गांचे जनकत्व निःसंशयपणे पैठणच्या सातवाहन राजकुलाचे. वाहत्या व्यापारी वाटांवर नजर ठेवण्यासाठी, सुदृढ अर्थव्यवस्थेचा योगक्षेम उत्तम रीतीने चालण्यासाठी, कोकणातील बंदरांमधून दख्खनच्या पठारावर येणाऱ्या वाटांची सुरक्षितता अबाधित ठेवण्यासाठी या सातवाहन कुळातील नृपतींनी या व्यापारी वाटांच्या आसमंतातील सह्याद्रीच्या उत्तुंग शिखरांवर दुर्गरचना केल्या. या रचना साधारणतः इ.स. पूर्व दुसऱ्या शतकापासून सुरू झाल्या असे ठामपणे सांगता येते. नाणेघाटाशेजारी असलेल्या जीवधनच्या दुर्गावर मला एक दगडी पाटा - मसाला वाटण्याचा - मिळाला. पुरातत्त्ववेत्त्यांच्या मते तो पूर्वसातवाहनकालीन आहे. हा मापदंड जर ग्राह्य धरला तर जीवधनच्या दुर्गावर दृष्यमान होणारे स्थापत्य सातवाहनकालीन मानण्यास काहीच प्रत्यवाय नसावा. यात अखंड कातळातून कोरून काढलेली द्वाररचना, स्तंभटाकी, लयनशिल्पे आदींचा समावेश केला जाऊ शकतो. या पद्धतीचे स्थापत्य असलेले अनेक दुर्ग सह्याद्रीमध्ये आहेत अन् यांपैकी बहुसंख्य प्राचीन व्यापारी वाटांच्या परिसरामध्ये आहेत, या वैशिष्ट्यांची नोंद घ्यावीच लागेल.

सातवाहनानंतर महाराष्ट्रदेशी राज्य केलेल्या प्रत्येक राजवटीने महाराष्ट्राच्या दुर्गवैभवात भरच घातली. महाराष्ट्राच्या उत्तर सीमेवरील अजिंठा-सातमाळा रांगेतील बहुतांश दुर्ग हे सातवाहन-चालुक्य राजवटींनी वसविलेले आहेत. पर्वतशिखर आतून पोखरून त्यातून चक्राकार जिन्यांची रचना हे चालुक्यांच्या दुर्गांचे वैशिष्ट्य मानता येते.

चालुक्य-राष्ट्रकूट यांच्या दुर्गवैशिष्ट्यांमधील सीमारेषा अतिशय अंधुक आहे. मात्र राष्ट्रकूटांच्या काळाच्या शेवटच्या चरणामध्ये कातळ छिन्न त्यातून शिलाशिल्पे निर्माण करायची कला हळूहळू लोप पावू लागली होती. देवगिरीचा दुर्ग हा चालुक्य-राष्ट्रकूट दुर्गनिर्मितीच्या तंत्राने बांधलेल्या दुर्गाचे अप्रतिम उदाहरण म्हणता येईल. या पद्धतीचे काम यानंतर हिंदुस्थानात झाले नाही. माझ्या मते या साऱ्याच दुर्गांचे वर्गीकरण साधारणपणे अश्मदुर्ग या प्रकारात करता येते.

दगडी तटबंदीच्या कामाला यामधल्या काळात - कोल्हापूर, कोकणच्या शिलाहारांच्या काळात - सुरुवात झाली. मध्ययुगीन ग्रंथांच्या आधारावर या दुर्गांचे जनकत्व निःसंशयपणे शिलाहारांकडे जाते. या दुर्गांचीही भौगोलिक वैशिष्ट्ये आहेत. राजधान्यांच्या दुर्गांच्या सावलीत वसलेली शहरे हे मध्ययुगीन दुर्गांचे महत्वाचे वैशिष्ट्य शिलाहारांनीही जपले.

यादवकाळात अश्मदुर्गरचना पूर्णतः थांबली असे म्हटले तर ते वावगे होणार नाही. हेमाद्रीपंतांच्या स्थापत्यतंत्रानुसार व प्राचीन पूर्वसूरींच्या मार्गदर्शक तत्त्वानुसार दुर्गबांधणीचा कालखंड सुरू झाला. अनगड दगडांच्या प्रचंड तटबंदींनी युक्त असे भूदुर्ग यादवकाळात निर्मिले गेले. याच तत्त्वानुसार गिरीदुर्गांचीही डागडुजी झाली. दुर्गावरल्या द्वारशिल्पांची रचना अधिक वैशिष्ट्यपूर्ण व वैविध्यपूर्ण झाली. दुर्गांना सुबकतेचा स्पर्श होऊ लागला.

नद्यांनी वेढा दिलेले, तीन-तीन खंदकांनी संरक्षिलेले विशाल भूदुर्ग ही बहामनी काळची खासियत कौटिल्याच्या अर्थशास्त्रातील दुर्गरचनांची आठवण जागवू लागली. बीदर, नळदुर्गासारखे भूदुर्ग हे बहामनीकाळातील दुर्गस्थापत्याचे मापदंड म्हणून पाहिले जाऊ लागले.

शिवकाळ हा दुर्गस्थापत्याचा काळ नसून, तो दुर्गांचा राज्यस्थापनेसाठी केल्या गेलेल्या अद्वितीय उपयोगाचा काळ मानावा लागतो. दुर्ग हे आदिम काळापासून संरक्षणाची गरज व साधन या दृष्टीने रचले

गेले. ही बाब जगभरातील दुर्गांना लागू पडते. मात्र या दुर्गांचा, त्यांच्या निर्मितीमागील हेतूंचा, भौगोलिक वैशिष्ट्यांचा उपयोग करून व त्यांची तशाच वैशिष्ट्यपूर्ण युद्धशास्त्राशी सांगड घालून त्याची परिणती शिवछत्रपतींनी स्वतंत्र राज्यनिर्मितीमध्ये केली हे जागतिक इतिहासातील एकमेव व अद्वितीय असे उदाहरण आहे.

चिलखती तटबंदी हे मात्र शिवकाळातील महत्वाचे दुर्गवैशिष्ट्य मानावेच लागेल. महाराष्ट्रातील अडीच हजार वर्षांच्या दुर्गांच्या इतिहासात या पद्धतीची स्थापत्यशैली ही केवळ शिवकालीन वास्तुशिल्पींची अन् स्वये शिवछत्रपतींची असाधारण प्रज्ञा आहे याविषयी संशय नाही.

दुर्गाची कालनिश्चिती हा एक प्रबंधविषय आहे. नाना राजवटींनी रचलेल्या, नाना प्रकारच्या दुर्गांच्या वैशिष्ट्यांचा मागोवा घेणे, ऐतिहासिक, पुराशास्त्रीय, वास्तुशास्त्रीय, शिलालेख, शिल्पशास्त्रीय वास्तू व वस्तू, लोककथा, स्थानिक इतिहास या साऱ्याच विभिन्न विषयांची सांगड घालून हे कार्य करावे लागेल. त्यातून तो एकजिनसी आराखडा उभा राहील त्यावर निरनिराळ्या घटकांच्या आधारे संस्कर करूनच त्या प्रमेयाची सोडवणूक करावी लागेल.

ज्या दुर्गांनी हिंदुस्थानचा साडेपाच-सहा हजार वर्षांचा अन् महाराष्ट्राचा अडीच हजार वर्षांचा इतिहास घडविला आहे अन् घडताना पाहिला आहे, त्या दुर्गांचे या आपल्या राष्ट्रावर अन् राष्ट्रियांवर अनन्यसाधारण ऋण आहे. त्यांच्या ऐतिहासिक कार्याची नोंद घेणे गरजेचे आहे. या दुर्गांच्या या साऱ्याच पैलूंचे दस्तावेजीकरण करणे आपल्या राष्ट्राच्या इतिहासाच्या दृष्टीने खूप महत्वाचे आहे. या तऱ्हेचे काम - निदान दुर्गांच्या बाबतीतले तरी - आजवर झालेले नाही. ही खंत नव्हे. हा विचारही नव्हे. हे एक आव्हान आहे असा माझा दाट विश्वास आहे.

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‘मराठी नाटक आणि डॉक्टर प्रतिमा’

डॉ. मधुरा कोरात्रे (पदव्युत्तर मराठी विभाग)

‘माझे पुस्तक : माझी भूमिका...

लहानपणापासून डॉक्टरांची एक विशिष्ट प्रतिमा आपल्या मनात तयार झालेली असते. डॉक्टरांचे ‘डोन्ट वरी’ हे शब्द कानावर पडले की, आपण निर्धास्त होतो.

माझ्या लहानपणी आजोबांना तपासायला आमचे ‘फॅमिली डॉक्टर’ आमच्या घरी येत असत. ते आले की, आम्हाला श्रीखंडाची गोळी देत असत. त्यावेळी त्याचे खूप अप्रूप वाटायचे...

मुख्य म्हणजे दुखणे कोणतेही असो! साधा सर्दी-खोकला-ताप असू दे... डॉक्टरांच्या प्रसन्न चेहऱ्याकडे पाहिले, त्यांच्याशी बोलले की, निम्मे दुखणे बरे होते. असा अनुभव येत असतो. हा आपला डॉक्टरांवरचा विश्वास, श्रद्धेचा भाग असतो.

मुळात नाटक हा माझ्या आवडीचा, जिन्हाळ्याचा विषय असल्याने नाटकांचा अभ्यास करताना काही प्रश्न मनात आले... डॉक्टरांबद्दल एवढी विश्वासाची, आधाराची, देवासारखी, आदराची प्रतिमा आपल्या मनात असते तर मग केवळ डॉक्टरांवर लिहिलेली अशी नाटके किती आहेत? ‘फॅमिली डॉक्टर’ ही पूर्वीची संकल्पना नाहीशी होत चालली आहे का? पूर्वीची डॉक्टरांची प्रतिमा कशी होती? डॉक्टरांच्या प्रतिमेत काही बदल होत गेले का?

या दिशेने नाटकांचा अभ्यास करण्याचा प्रयत्न केला. त्यातून ‘मराठी नाटक आणि डॉक्टर प्रतिमा’ हे पुस्तक आकाराला आले.

मराठी नाट्यवाङ्मयाचा इतिहास पाहिल्यास असे लक्षात येते की, मराठी नाटककारांनी समाजातील वेळोवेळी निर्माण झालेल्या समस्यांवर, प्रश्नांवर नाटके लिहिली आहेत; परंतु ‘डॉक्टर’ ही प्रमुख व्यक्तिरेखा केंद्र धरून लिहिलेली नाटके अल्प प्रमाणात आहेत. नाटककारांनी डॉक्टरची व्यक्तिरेखा, त्या त्या विषयाच्या संदर्भात, गरजेपुरतीच रंगविलेली दिसते. म्हणून ‘डॉक्टर’

हे मध्यवर्ती पात्र धरून डॉक्टरांच्या दृष्टीने इतर पात्रे कशी आहेत किंवा इतर पात्रांच्या दृष्टीने डॉक्टरांचे कोणते स्थान आहे हे पाहण्याचा प्रयत्न ‘मराठी नाटक आणि डॉक्टर प्रतिमा’ या ग्रंथात केलेला आहे.

डॉक्टरांच्या क्षेत्रातील विविध शाखांमधील डॉक्टरांकडे पाहण्याचा आणि फॅमिली डॉक्टरकडे पाहण्याचा समाजाचा दृष्टिकोण वेगवेगळा असतो. त्या दृष्टीने नाटकांमधून या डॉक्टरांच्या विविध प्रतिमा कशा रेखाटल्या आहेत तो अभ्यास महत्त्वाचा ठरतो. मुळात कुटुंबाचा घटक असलेली अशी डॉक्टरांची प्रतिमा समाजात रूढ होती. नाटककारांनी मांडलेली पूर्वीची फॅमिली डॉक्टर ही संकल्पना नाहीशी होत चालली आहे का? असा प्रश्न पडतो. त्या दृष्टिकोणातून ‘डॉक्टर अंकल... ते डॉक्टर तुम्हीसुद्धा!’ ही डॉक्टरांची प्रतिमा नाटकांमधून कोणत्या पद्धतीने चित्रित केली आहे. त्या दृष्टीने शोध घेण्याचा प्रयत्न. ‘मराठी नाटक आणि डॉक्टर प्रतिमा’ या ग्रंथात केलेला आहे.

या ग्रंथाची एकूण पाच प्रकरणांत विभागणी केलेली आहे. १) फॅमिली डॉक्टर- संकल्पना, २) डॉक्टर आणि समाज, ३) नाटक आणि ‘डॉक्टर’ प्रतिमा, ४) नाटक आणि मानसोपचार तज्ज्ञ, ५) डॉक्टर कलाकार विविध मते-

१) फॅमिली डॉक्टर- संकल्पना - ‘फॅमिली’ म्हणजे कुटुंब, मंडळी, मुलेबाळे, कूळ, वंश, मानवी आयुष्यातील कुटुंब ही पायाभूत अशी आधारशीला आहे. कुटुंबातील व्यक्तींच्या एकमेकांबद्दल काही अपेक्षा असतात. एकमेकांनी एकमेकांच्या भावनांना जपणे, एकमेकांनी एकमेकांच्या दृष्टिकोणातून कर्तव्यपालन करणे इत्यादी गोष्टींवर ही नाती टिकून राहातात. या नातेसंबंधांच्या बांधीलकीमुळेच कुटुंब स्थिर राहाते.

अशा कुटुंबाचा आणखी एक घटक म्हणजे डॉक्टर!

म्हणजेच कुटुंबाचे डॉक्टर. 'फॅमिली डॉक्टर'! हे फॅमिली डॉक्टर म्हणजे डॉक्टर म्हणून वाटत, नाहीत तर ते घरचेच कोणी वडीलधारे माणूस वाटतात. कुटुंबातील सगळ्यांना त्यांचा मानसिक आधार वाटतो.

थोडक्यात, 'फॅमिली डॉक्टर' म्हणजे संपूर्ण कुटुंबाचा डॉक्टर आणि कुटुंबातील घटक होय! लहानांचे डॉक्टरकाका आणि मोठ्यांचे आधारस्तंभ! डॉक्टर आणि रुग्ण या नात्यापेक्षा हे नाते दृढ विश्वासाचे, मानसिक आधाराचे, मित्रत्वाचे आणि योग्य मार्गदर्शनाचे असते!' अशी माझ्या दृष्टीने व्याख्या करता येते.

आज समाजात सर्वच क्षेत्रांत बाजारवृत्ती फोफावली आहे. वैद्यकीय व्यवसायही त्याला अपवाद नाही. जागतिकीकरणामुळे पूर्वीच्या डॉक्टरांचा व्यवसाय आता धंदा, उद्योग झाला आहे. पूर्वीची 'फॅमिली डॉक्टर' ही संकल्पना आज जवळजवळ संपुष्टात आलेली आहे. याच्यामागची कारणे शोधण्याची आज गरज निर्माण झाल्याचे दिसते. त्या दृष्टीने समाजातील अशा प्रकारच्या डॉक्टरांची प्रतिमा नाटकांमधून कशा प्रकारे चित्रित केलेली आहे याचा अभ्यास करणे महत्वाचे ठरते.

२) डॉक्टर आणि समाज - डॉक्टर हा समाजाचा महत्त्वपूर्ण घटक असतो. व्यक्तीला जशी नीतिमूल्ये, नीतितत्त्वे असतात तशीच समाजाची काही नीतिमूल्ये, तत्त्वे असतात. ती पाळणे दोन्ही बाजूंनी अपेक्षित आहे. वैद्यकीय व्यवसाय हा पुरातन काळापासून 'सेवाभाव' हा केंद्रबिंदू ठेवूनच माणुसकीच्या नात्यातून विकसित होत गेलेला आहे.

डॉक्टर आणि रुग्ण यांचे नाते कसे असावे? तर मुख्य म्हणजे डॉक्टर आणि रुग्ण यांच्यामध्ये विश्वासाचे नाते असले पाहिजे. रुग्णाला डॉक्टरचा आधार वाटला पाहिजे. रात्री-अपरात्री केव्हाही हाक मारली तरी डॉक्टर येणारच ही खात्री असणे अपेक्षित आहे.

शेवटी, डॉक्टर हा माणूस असतो. डॉक्टर हा सदैव

पैसा हेच एकमेव मूल्य मानून तेवढ्यासाठीच आपला वैद्यकीय व्यवसाय करतो असे नाही वैद्यकीय व्यवसाय हा रुग्णाच्या जीवनाशी संबंधित आहे. बहिणाबाईंच्या शब्दांत सांगायचे तर 'जगणं आणि मरणं' एका श्वासाचं अंतर!' - हे श्वासाचं अंतर जाणणान्या डॉक्टरांबाबत अजूनही सर्वसामान्यांच्या मनात कमालीचा आदरभाव असतो. या भावनेचा आदर बाळगण्याची वृत्ती डॉक्टरांनीही जोपासली पाहिजे, तरच आज फोफावत चाललेल्या व्यापारीकरणाच्या अपप्रवृत्तीला आळा बसेल.

३) नाटक आणि डॉक्टर प्रतिमा - बदलत्या काळाप्रमाणे समाज बदलतो. त्या दृष्टीने नाटकांमधून डॉक्टरांच्याही बदलत्या विविध प्रतिमा पाहावयास मिळतात.

समाजातील हुंड्यासारख्या रूढीच्या विरुद्ध आवाज उठवून आपल्या स्वतःपासून हुंडा न घेण्याची सुरुवात नाटकामधून डॉ. गुलाब (हाच मुलाचा बाप) या डॉक्टरने केलेली दिसते.

नाटकांमधून नीतितत्त्वांना, नीतिमूल्यांना परमेश्वर मानणाऱ्या, ध्येयवादी, कर्तव्यनिष्ठ, आदर्शवात अशा डॉक्टरांच्या प्रतिमा दिसतात. त्या दृष्टीने डॉ. नीळकंठ (सूर राहू दे), डॉ. अविनाश साखरदांडे (मार्ग सुखाचा), डॉ. वारंग (स्पर्श अमृताचा), डॉ. अविनाश पटवर्धन (डॉक्टर, तुम्हीसुद्धा..!) या प्रतिमा उखनीय ठरतात.

विविध नाटकांमधून मित्र, सागार, अंकल, काळजी घेणाऱ्या, निःस्वार्थी, सेवाभावी, दिलेल्या वचनाला जागण्याची मनोवृत्ती असणाऱ्या अशा डॉक्टरांच्या प्रतिमा महत्त्वपूर्ण आहेत. त्या दृष्टीने डॉ. पटवर्धन (सुंदर मी होणार), डॉ. देसाई (या चांगल्या घरात, असं झालंच कसं?), डॉ. तेलंग (मित्र), डॉ. गौतम (उद्याचा संसार), डॉ. प्रकाश (जग काय म्हणेल?), डॉ. जिमी क्रॉफर्ड (रातराणी) इत्यादी डॉक्टरांच्या प्रतिमा आपल्याला भावणाऱ्या ठरतात.

एक स्त्रीच स्त्रीच्या भावनांचा विचार करू शकते,

तिला सावरू शकते. त्या दृष्टीने डॉ. मीनल (समर्पण) आणि डॉ. इरावती (पर्वकाळ ये नवा) या स्त्री डॉक्टरांच्या प्रतिमा महत्त्वपूर्ण आहेत.

कॅन्सरसारख्या आजाराचे निदान झालेल्या मुलीची आई आणि व्यवसायाने डॉक्टर असलेल्या डॉ. मुक्ताबाई मुळगावकर (अखेरचा सवाल) या आई आणि डॉक्टर या दोन्ही भूमिका साकारताना दिसतात. भावना आणि कर्तव्य या दोन्हीच्या संघर्षात सापडलेली अशी ही स्त्री डॉक्टरची प्रतिमा आहे.

डॉक्टर म्हणून विनोदी प्रतिमा डॉ. ऐनापुरे (वाजे पाऊल आपुले), डॉ. रोंगे (अंमलदार) दिसतात. 'फार्स' या वाङ्मयप्रकारामध्ये 'डॉक्टर नाथ' (दिनूच्या सासूबाई राधाबाई) आणि डॉक्टर आठवले (झोपी गेलेला जागा झाला) या डॉक्टर प्रतिमा महत्त्वपूर्ण आहेत.

ज्यांच्या खांद्यावर विश्वासाने मान टाकली, त्या घरच्यासारख्या डॉक्टरांनीच पैशाच्या हव्यासापायी त्याच स्त्रीचा खून करावा ही डॉक्टरची प्रतिमा (डॉक्टर लागू-डॉक्टर) डागाळलेली प्रतिमा म्हणून येते. ज्यांनी जीवाला जीवदान द्यायचे त्यांनीच जीव घ्यावा यासारखे भीषण वास्तव दुसरे असू शकत नाही, असे म्हणता येते.

डॉक्टर या व्यवसायाचे बाजारीकरण, व्यापारीकरण करण्याची वृत्ती असणारे डॉ. शिरीष पेंडसे (डॉक्टर, तुम्हीसुद्धा..!) यांची प्रतिमा आजच्या वास्तवतेच्या जवळ जाणारी आहे.

एकूणच, स्वातंत्र्यपूर्व आणि स्वातंत्र्योत्तर कालखंडातील नाटकांमधून डॉक्टर अंकल.. ते डॉक्टर, तुम्हीसुद्धा..!) अशा विविधांगी डॉक्टरांच्या प्रतिमा नाटककारांनी रेखाटलेल्या दिसतात.

४) नाटक आणि मानसोपचारतज्ज्ञ - डॉक्टरांच्या दृष्टिकोणातून शारीरिक आजाराबरोबरच मानसिक आजारांचा, विकृतींचाही विचार करणे, त्यावर औषधोपचार करणे महत्त्वाचे ठरते. त्या दृष्टीने कुटुंबाचे

घटक, मित्र, आधार देणाऱ्या प्रतिमांमध्ये 'डॉ. विश्वास' (सौभाग्यकांक्षिणी), 'समीर' (ध्यानीमनी), 'डॉ. मलिक' (सविता दामोदार परांजपे), 'डॉ. थोरात' (घर तिघांचं हवं!) यांचा उल्लेख करता येतो.

मुलांच्या मनात आई-वडीलांची प्रतिमा स्पष्ट असते. वडील गेल्यानंतर त्यांच्या जागी दुसऱ्या वडिलांना स्वीकारताना पौगंडावस्थेतील मुलांचे मन चटकन तयार होत नाही. 'चित्रांगद' (रंग उमलत्या मनाचे) च्या या उमलत्या मनाचे आणि किशोरावस्थेतून तारुण्याकडे चाललेल्या प्रवासात त्यांच्या कुटुंबाचे डॉक्टर मित्र डॉ. जयप्रकाश महाजन त्याला योग्य दिशा दाखवितात. ही डॉक्टरची प्रतिमा आपल्याला जवळची वाटते.

स्त्री मानसोपचारतज्ज्ञ म्हणून 'मीरात्री' (नकळत सारे घडले) या स्त्री प्रतिमेचा उल्लेख करता येते.

डॉ. श्रीधर (सुखांशी भांडतो आम्ही) यांची मनाने हळवी असलेली; कवी मनोवृत्तीची, आदर्शवादी समुपदेशक, मानसोपचारतज्ज्ञ अशी प्रतिमा आपल्या मनाला भावणारी आहे. मनात घर करून राहाणारी आहे.

नाटकांमधून या मानसोपचारतज्ज्ञांच्या विविध प्रतिमा लक्षणीय आहेत.

५) डॉक्टर कलाकार - विविध मते - डॉक्टर आणि नाट्य-कलाक्षेत्र यांचा संबंध फार जवळचा आहे. त्या दृष्टीने नाटकात किंवा समाजात डॉक्टरांची प्रतिमा बदलत गेली का? समाजात डॉक्टरांचे स्थान कोणते? डॉक्टर आणि रुग्ण यांच्यामधील संवाद कसा असतो? विविध नाटकांमधून 'डॉक्टर' हे पात्र दुय्यम असते; परंतु वास्तवात समाजाचा डॉक्टरांकडे पाहण्याचा दृष्टिकोन देवासारखा असतो. त्या दृष्टीने नाटकामधून चित्रण झालेले दिसते का? डॉक्टरांनी पेशामुळे व्यावसायिकता, व्यापारी वृत्ती रूढ होत आहे का? डॉक्टर आणि रुग्ण या दोघांनीही नीतिमूल्ये, तत्त्वे पाळणे गरजेचे आहे काय! डॉक्टर आणि कला यांचे नाते कसे असते? ज्या सगळ्या प्रश्नांचे कुतूहल मनात होते. त्या दृष्टीने एक प्रश्नावली

तयार करून त्या अनुषंगाने विविध क्षेत्रांतील डॉक्टरांना प्रत्यक्ष भेटून पत्राद्वारे अथवा दूरध्वनीवरून त्यांची मते जाणून घेतली. या निमित्ताने डॉक्टर कलाकारांशी संवाद साधता आला. त्यांची मते जाणून घेता आली. या डॉक्टर कलाकारांमध्ये डॉ. श्रीराम लागू, डॉ. गिरीश ओक, डॉ. आनंद निगुडकर, डॉ. अपर्णा मेहेंदळे, डॉ. अजय वैद्य (गोवा), डॉ. संजीव शेंडे, डॉ. सलील कुलकर्णी, डॉ. कमलेश बोकील, डा. गौरी दामले, डॉ. संध्या भिडे, डॉ. विद्या गोखले, डॉ. विवेक बेळे, डॉ. शेखर फणसळकर यांचा समावेश आहे. या सगळ्या डॉक्टर कलाकारांच्या दृष्टिकोणातून डॉक्टरांचे जीवन म्हणजे एक प्रकारे नाटकच असते. बदलत्या परिस्थितीनुसार समाजाचा डॉक्टरांकडे पाहण्याचा दृष्टिकोण आणि डॉक्टरांचा समाजाकडे पाहण्याचा दृष्टिकोण बदलत चालल्याचे दिसते. तरीही डॉक्टर्स रुग्णाला वाचविण्याबाबत शेवटपर्यंत प्रयत्नांची पराकाष्ठा करीत असतात. रुग्ण औषधोपचाराने बरा होऊन घरी गेला की, डॉक्टरांचे मनही आनंदित होते. जवळजवळ सगळ्याच डॉक्टर कलाकारांची हीच भूमिका आहे असे जाणवले.

‘मराठी नाटक आणि डॉक्टर प्रतिमा’ या विषयाच्या अभ्यासाच्या संदर्भात पुढीलप्रमाणे निष्कर्ष नोंदविता येतात.

१) पूर्वीची ‘फॅमिली डॉक्टर’ ही संकल्पना जवळजवळ नाहीशी होत चाललेली दिसते.

२) ‘डॉक्टर’ हे मध्यवर्ती केंद्र धरून त्या दृष्टीने नाटकांची निर्मिती अल्प प्रमाणात झालेली दिसते.

३) नाटकांमधून स्त्री डॉक्टरचे प्रमाण कमी आहे. त्या दृष्टीने रंगमंचावर गळ्यात स्टेथोस्कोप घालून वावरणाऱ्या नायिका हाताच्या बोटांवर मोजता येतील एवढ्या कमी दिसतात. ‘डॉ. मुक्ताबाई मुळगावकर’ (अखेरचा सवाल) ही स्त्री डॉक्टर प्रतिमा उखनीय आहे.

४) नाटकांमधून आदर्श, नीतिमूल्ये जपणाऱ्या, कर्तव्यनिष्ठ अशा डॉक्टरांच्या प्रतिमा चित्रित झालेल्या आहेत.

५) नाटकांमधून मानसोपचारतज्ज्ञांच्या प्रतिमा आधारासारख्या समुपदेशक म्हणून चित्रित झालेल्या आहेत.

६) स्त्री मानसोपचारतज्ज्ञ म्हणून ‘मीरात्री’ (नकळत सारे घडले) ही एकमेव आहे.

७) डॉक्टरांच्या विनोदी प्रतिमा फार्समधून रंगविलेल्या दिसतात.

८) नाटकांमधून डॉक्टर आणि रुग्ण अशा नात्यांपेक्षा मित्र, सागार, आधार देणारी, मार्गदर्शक अशीच डॉक्टरांची प्रतिमा दिसते.

९) ‘जगणे आणि मरणे’ यामधील एका श्वासाचे अंतर ओळखणाऱ्या डॉक्टरांचे स्थान नाटकांमधून तरी त्या त्या वेळेच्या गरजेपुरतेच आलेले दिसते.

१०) डॉक्टर आणि कला यांचे जणू समीकरणच असते. त्या दृष्टीने वास्तवात कलाकार डॉक्टरांचे कलाक्षेत्र विस्तारलेले दिसते.

११) डॉक्टर आणि समाज हे नाते परस्परांवर अवलंबून आहे व दोन्ही बाजूंनी हे नाते जपणे आवश्यक आहे.

१२) नाटकांमधून काळाप्रमाणे बदललेल्या समाजाचे प्रतिबिंब पडलेले दिसते. त्या दृष्टीने ‘डॉक्टर अंकल’ची प्रतिमा ‘डॉक्टर, तुम्हीसुद्धा!’ अशा पद्धतीने बदललेली दिसते.

एकूणच मराठी नाट्यवाङ्मयाच्या इतिहासात केवळ ‘डॉक्टर’ हे मध्यवर्ती पात्र धरून लिहिलेली अशी नाटके अल्प प्रमाणात आहेत. यामध्ये वाढ होणे अपेक्षित आहे. त्या दृष्टीने वैद्यकीय ज्ञानाचा सखोल अभ्यास करून, विविध डॉक्टरांशी चर्चा करून, वैद्यकीय विषयाशी संबंधित अशी नाटके निर्माण झाली. तर डॉक्टरांची प्रतिमा वास्तवाच्या अधिक जवळ जाणारी निर्माण होऊ शकेल असा विश्वास वाटतो.

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‘स्वावलंबी-समृद्ध खेड्यांची माझी कल्पना’

प्रा. रविंद्र एन. इंगोले

आज भारत देशात खेडेगावाकडे पाहाण्याचा दृष्टिकोण हळूहळू बदलताना दिसतो. शिक्षणाचे वारे शहरातून खेड्याकडे जाताना दिसतात. शहरातील समृद्धी व भरभराटी असलेले जीवनमान बघताना खेड्यातील माणसे त्याकडे आकर्षित होताना दिसतात. स्वप्ने रंगविले जातात. कमी वेळेत जास्त पैसा मिळू शकतो व सुखाचे दोन घास खाता येऊ शकतात अशी धारणा जनसामान्यांची होत आहे. शेती सोडून शहराकडे जाणाऱ्यांची संख्या दिवसेंदिवस वाढत आहे. पडेल ते काम करण्याची तयारी केल्यामुळे मिळेल त्या पैशावर पोट भरण्याची स्पर्धा अनेक क्षेत्रांत दिसत आहे. प्रतिकूल हवामानाची परिस्थिती, निसर्गाची पावसाबाबतची मनमानी, महागाई, दुष्काळात होणारे हाल, खेड्यातील सोईसुविधांचा अभाव या बाबीमुळे शेतकरी-शेतजूर यांचा स्वतःच्या जीवनाकडे बघण्याचा दृष्टिकोण बदलत आहे. पैसा थोडा का मिळेना परंतु नियमित मिळत आहे यावरच त्याचे समाधान होताना दिसते व या कारणासाठी खेडे ओस पाडताना दिसत आहे.

खेडेगावातील जीवनमान उंचविण्यासाठी व ते स्वावलंबी, समृद्ध होण्यासाठी ठोस उपाययोजना करण्याची नितांत आवश्यकता आहे. यासाठी गावातील प्रत्येक घटनांचा सक्रिय सहभाग आवश्यक आहे. युवक, महिला वर्ग, प्रौढ यांच्या आवडीनिवडी शहरातील लोकांच्यासारख्या होत आहेत. शहरातील करमणुकीची साधने बघताना त्यातच सुख आहे. ह्या सुखात डुबण्यासाठी खेडेगावातील युवक धडपडत आहे. शहरातील मुले मोबाईलचा मोठ्या प्रमाणात वापर करतात मग आपणही का करू नये असे खेड्यातील

मुलांना वाटणे स्वाभाविक आहे. मग ह्या मोबाईलची खरेदी करण्यासाठी मुले आईवडिलांकडे पैशांची मागणी करतात. शेतकरी पीक आल्याशिवाय पैसा देऊ शकत नाही. मजुरांची अशिक्षित मुले मात्र पैसे कमविण्यासाठी खेड्याऐवजी शेतात मोलमजुरी करण्याऐवजी शहरातील बांधकामांवर, रस्त्याच्या कामांवर, दुकानांवर काम करणे पसंत करतात. झोपटपट्ट्यांत काटकसरीने राहून मोबाईलसाठी पैसा जमा करतात व ते विकत घेतात. ह्या मोबाईलचा उपयोग संवाद साधण्यापेक्षा त्याद्वारे गाणे ऐकण्यासाठी मोठ्या प्रमाणात केला जातो. हे पैसे कमविण्यासाठी शहराकडे जाण्याऐवजी खेड्यातच त्याला पैसा मिळाला तर? शिक्षणासाठी शहराकडे जाणाऱ्या विद्यार्थ्यांना खेड्यातच शाळा बांधून दिली तर? शहरातील झोपडपट्टीत राहणाऱ्याऐवजी खेड्यातच प्रशस्त जागा व पक्क्या बांधकामांची घरे बांधून दिली तर? लोकांमध्ये टी.व्ही. घेण्याची स्पर्धा होण्याआधी एखादा मोठा टी.व्ही. लोकांना बघण्यासाठी उपलब्ध करून दिला तर? बी-बियाणे, अवजारे आणण्यासाठी शहरामध्ये चकरा, हेलपाटे मारायला लावण्याऐवजी खेडेगावातच विक्रीकेंद्र सुरू केले तर शेतातील मालाला शहरात नेऊन विकण्यासाठी जो त्रास, मनस्ताप सहन करावा लागतो, वेळ व पैसा खर्च होतो त्या ऐवजी जागेवरच माल घेणारी यंत्रणा निर्माण केली तर? गावाला दिशा देण्याचे काम झाले तर दशा होण्याचे टळेल. खेड्यात स्वयंरोजगार व उद्योग निर्माण झाले तर शहरातील सुशिक्षित बेरोजगार युवक-युवती धकाधकीच्या जीवनाऐवजी खेड्यातील नैसर्गिक साधनसंपत्तीने नटलेल्या निसर्गरम्य वातावरणाकडे आकर्षित होईल.

नियोजनाची गरज : खेड्यातील रस्ते प्राधान्याने चांगल्या दर्जाचे तयार करणे गरजेचे आहे. दळणवळणासाठी खडे नसलेले व दुहेरी वाहतूक करता येण्याजोगे मोठे रस्ते श्रमदानातून व शासनाच्या अनुदानातून तयार व्हायला पाहिजेत. पाणी अडवा-पाणी जिरवा या तत्वाची अंमलबजावणी झाल्यास अपुऱ्या पावसामुळे निर्माण होणाऱ्या समस्यांवर बऱ्याच अंशी मात करता येईल. दूरदृष्टीतून खालील बाबींचे सुद्धा नियोजन परिणामकारकपणे व संघटितपणे करणे आवश्यक आहे.

१) चारापिकांचे उत्पादन मोठ्या प्रमाणात घेण्यासाठी गावातील ठराविक भागात त्यांचे बीजारोपण करावे.

२) बांधावर उंच वृक्ष लावावेत त्यामुळे पावसासाठी वातावरण निर्माण होऊ शकेल.

३) रोगप्रतिकारशक्ती असणारी प्रजाती निवडून पिकांचे उत्पादन घ्यावे. एकात्मिक कीड नियंत्रण योजना समूहाने राबवावी. धान्य साठविण्यासाठी गोडाऊनची उभारणी करावी.

४) पिण्याच्या पाण्याच्या टाक्या योग्य ठिकाणी बांधाव्यात व नळयोजना सर्व वस्तीत कार्यान्वित करावी. सोलर सिस्टीम वापरून रस्त्यावर, घरात, दवाखान्यात व इतर ठिकाणी दिवे वापरावेत.

५) सेंद्रीय खते, गांडूळ खते निर्मिती करून रासायनिक खतांचा वापर कमी करण्यात यावा.

६) घरघरी वैयक्तिक किंवा अनेक ठिकाणी सार्वजनिक शौचालये-स्वच्छतागृहे बांधावीत.

७) गाई-म्हशी, शेळ्यापालन करून दूध संकलन करून डेअरीची स्थापना करावी. तूप-लोणी तयार करून, दुग्धजन्य पदार्थ तयार करून लघुउद्योग सुरू करावे.

८) कुक्कूटपालन करून आधुनिक पोल्ट्री तयार करून युवकांना त्याबाबतचे प्रशिक्षण द्यावे.

९) गावामध्ये किमान एक तरी पशुवैद्य असावा, जेणेकरून ह्या सर्व मुक्या जनावरांचे लसीकरण, संगोपन, संवर्धन, पुनरुत्पादन योग्य प्रकारे होईल.

१०) गावामध्ये किमान एक तरी डॉक्टर तसेच आदर्श प्राथमिक आरोग्य केंद्र असावे जेणेकरून सुलभ बाळंतपणे, लहान मुलांचे पोलिओ व इतर लसीकरण, महिलांचे आरोग्य, मलेरिया, डेंग्यू, कावीळ व इतर संसर्गजन्य रोगापासून बचाव होईल, सर्वांना निरोगी जीवन जगता येईल.

११) खादी ग्रामोद्योग केंद्रातर्फे रेशीम उद्योग, मधसंकलन उद्योगाचे प्रशिक्षण युवक-युवतींनी घ्यावे.

१२) ग्रीनहाऊस, पॉलीहाऊस उभारणी करून फुलांची निर्यात करावी. यासाठी मुली व महिलांना प्रशिक्षित करावे. बुके, हार, पुष्परचना, करून सजावटी करून, लग्नविधी व इतर समारंभासाठीची आकर्षक रचना करण्याचे शिक्षण घेऊन मुली व महिलांना स्वयंरोजगार उपलब्ध करून देता येईल.

१३) खेडेगावात संपूर्ण मोकळ्या परिसरात आकर्षक लँडस्केपिंग करण्यास पर्यटन स्थळ निर्माण करण्यास भरपूर संधी आहेत.

१४) जाम, जेली, सॉस, सरबते, कंडी, जैविक खते इत्यादी तयार करण्याचे प्रशिक्षण घेऊन शेतातच फळांची पिके घेऊन त्यापासून विविध उत्पादने तयार करता येतील. केवळ पारंपरिक पिके मोठ्या प्रमाणात न घेता रोपवाटिका, औषधी उद्याने, वनशेती, शेतीपूरक व्यवसाय करून गरजेप्रमाणे शहराला त्याचा पुरवठा करणे महत्वाचे आहे. युवावर्गाला मार्केटिंगचे तंत्र शिकवून शहरी जनतेला खेड्याकडे आकर्षित करता येऊ शकते. एक्सपोर्ट िल्टीचे उत्पादनांची निर्मिती करता येणे शक्य आहे.

अशाप्रकारे खेड्यामध्ये इच्छुकांना आपल्या आवडीप्रमाणे व आवडत्या क्षेत्रात फार मोठे पाऊल उचलता येईल यासाठी युवक-युवती व महिलांना

प्रेरणा, प्रोत्साहन देणे अत्यावश्यक आहे. आर्थिक उलाढालीसाठी सरकारी, सहकारी बँका, पतपेढ्या, बचतगट यांनी पुढाकार घेतला पाहिजे. नियम शिथिल करून गरजू, होतकरू यांना कर्ज उपलब्ध करून दिल्यास व सहकार्यांचा हात दिल्यास स्वावलंबी होण्यासाठी फार मोठा हातभार लागेल. खेडेगावाचा सर्वांगीण विकासाचे ध्येय समोर ठेवल्यास, तसेच मा. मोहन धारियांच्या वनराई संस्थेचे प्रकल्प, मा. अण्णा हजारेंचे पंचसूत्री कार्यक्रम, वनीकरण खात्याचे मार्गदर्शन व सक्रिय सहभाग घेतल्यास दिशा मिळू शकेल.

साक्षरता, जलसाक्षरता, पाणी व्यवस्थापन, पाणी पुनर्भरण व पुनर्वापर या मूलभूत बाबीकडे राजकीय मतभेद बाजूला ठेवून उघड्या डोळ्यांनी बघणे व वाटचाल करणे देशाच्या हिताचे ठरेल.

केवळ कच्चा माल पुरविणारा भाग म्हणून न राहाता खेड्यात लघुउद्योग निर्मितीचे प्रकल्प सुरू करणे ही काळाची गरज आहे. आवश्यकता आहे ती जातीचे, स्वार्थाचे राजकारण न करण्याची. गावाच्या विकासात अडथळा निर्माण करणारी राजकीय स्पर्धा नसावी. स्वतःकडे क्रेडिट घेण्यासाठी जीवघेणी स्पर्धा नसावी. निस्वार्थीपणे विधायक व सकारात्मक कार्य करणाऱ्या तळमळीने, अंतःकरणपूर्वक कार्य करणाऱ्या झपाटलेल्या कार्यकर्त्यांची आवश्यकता आहे. तरच खेडे हे खेडे न राहाता स्वावलंबी, समृद्ध भारताचा अविभाज्य अंग व भाग होऊ शकेल.

स्वच्छ, सुंदर, समृद्ध, संपूर्ण साक्षर खेडेगाव निर्माण होण्यास तन-मन-धनाने प्रेरित होणे, महात्मा गांधींच्याच नव्हे, तर २१ व्या शतकात राहाणाऱ्या नवीन पिढ्यांच्या स्वप्नातील नंदनवन खेड्यात निर्माण करणे ही काळाची गरज आहे.

★ ★ ★

‘भावपूर्ण श्रद्धांजली’

मैत्रीच्या या वाटेवर...
मोलाची तुझी साथ होती
असं काही घडेल अशी कल्पना
मनात कधीही आली नव्हती
आम्ही पाहिलंय तुला आम्हांला सोडून जाताना
आमच्याच डोळ्यांमधून तुला वाहताना
नेहमीच रडताना तूच हसवलं
पण सोडून जाऊन आम्हाला
तूच आता रडवलं
तू हसवायला येशील म्हणून
अजूनही रडावंसं वाटतं
पण तू आता येणारच नाहीस
हे कळाल्यावर मन ओल्या कागदासारखं फाटतं
अजूनही मला आठवतं
ते आपलं खळखळून हसणं
कधीकधी गंमतच
एकमेकांवर रुसून बसणं
मैत्रीच्या या वाटेवर...
तुझ्या आठवणींचा सडा
सर्वत्र पडला आहे
तुझ्याशिवाय या वाटेवर चालणं
खरंच खूप कठीण आहे.
प्रत्येकवेळी नवीन शिकवण देणे,
हा तुझा नियमच होता
अगदी जातेवेळेसही तुझा हा नियम
कायमच होता
सोडून जातानाही तू शांतपणे नाही गेलास
‘जीवन म्हणजे काय’?
हा चांगलाच धडा तू शिकवून गेलास
मैत्रीच्या या वाटेवर...
तुझ्या आठवणींचा साठा कायमच राहील
तुझ्याविना मित्रा
‘मैत्री’ हा शब्द नेहमी अधुराच राहील
Missing you Abhishek...
(सदर कविता स्वर्गीय वर्गमित्र
कै. अभिषेक बापू वाळके यास अर्पण)
दिपक बोदडे, द्वितीय वर्ष, वाणिज्य (सी)

कालचे 'मॉडर्न' आजच्या भेटीला

मुलाखतकार : रुपेश शिंदे/मंगेश शिंदे, प्रथम वर्ष विज्ञान (ब)

मा. श्रीकांत गबाले, रिसर्च असिस्टंट, यशदा, यांची मुलाखत

- सर, आपल्या मॉडर्न महाविद्यालयातून तुम्ही भूगोल विषयातून बी.ए. ही पदवी मिळवली. त्या आधीच शिक्षण तुम्ही कुठे घेतलं आणि नंतर काय केलं?

– माझं प्राथमिक व माध्यमिक शिक्षण हे वडगाव येथे झालं व त्यानंतर उच्च माध्यमिक शिक्षण मी पुण्यात नाना पेठेतील 'गुरू नानक ज्युनिअर कॉलेज' येथील विज्ञान शाखेतून घेतलं. मॉडर्न महाविद्यालयातून बी.ए. झाल्यानंतर मी एम.ए. केलं, ते सर परशुरामभाऊ महाविद्यालयातून आणि सध्या मी पीएच.डी.साठी रजिस्ट्रेशन केलं आहे. मी त्यासाठी अभ्यास करतोय.

- तुम्ही सध्या यशदा या संस्थेत नोकरी करत आहात. ही संधी तुम्हाला कशी मिळाली. यशदाविषयी थोडीशी माहिती द्याल का?

– यशदा (यशवंतराव चव्हाण विकास प्रशासन प्रबोधिनी) ही महाराष्ट्र शासनाची एक संस्था आहे जी शासनाच्या वेगवेगळ्या अभियानांसाठी, त्या अभियानांत काम करणाऱ्या शासकीय नोकरदारांना ट्रेनिंग देते. तसेच त्या अभियानांचा पूर्ण अभ्यास करून ते अभियान अमलात आणण्यासाठीचे आवश्यक नियोजन शासनास सुचवते.

शासकीय अभियानातील लोकांना ट्रेनिंग देण्यासाठी यशदाला जेव्हा यशदातील स्टाफ कमी आहे असे आढळते, तेव्हा यशदामध्ये नवीन स्टाफ मॅम्बर्सची नियुक्ती केली जाते. त्यासाठी वृत्तपत्रांतून तशी बातमी दिली जाते व पात्र

असलेल्या लोकांना निवडले जाते. माझी निवड अशीच झाली. यशदा राष्ट्रीय माध्यमिक शिक्षा अभियानांतर्गत विदर्भातील (माध्यमिक) शिक्षकांना ट्रेनिंग देणार होती. त्यासाठी यशदाला काही नव्या स्टाफ मॅम्बर्सची आवश्यकता होती. तशी जाहिरात वृत्तपत्रांतून मला कळल्यावर मी त्यासाठी अर्ज केला व मी 'रिसर्च असिस्टंट' म्हणून निवडण्यात आलो. या पदासाठी, पोस्ट ग्रॅज्युएशन ऑफ फाईन आर्ट' येथील माझ्या मॅनेजर म्हणून काम केल्याच्या अनुभवाची तसेच मॉडर्न कॉलेजमधील माझ्या यू.आर.म्हणून काम केल्याच्या अनुभवाची मला मोठी मदत झाली.

- श्रीकांत सर, तुम्हाला कलाशाखेत शिक्षण घेत असताना कधी असं वाटलं का की कला शाखेमुळे तुमच्या करिअरला पुरेसे रस्ते मिळणार नाहीत.

– नाही, कारण उच्च माध्यमिक शिक्षण विज्ञान शाखेतून होऊनही मी पदवी कलाशाखेतून मिळवली ते आवड म्हणूनच. आणि करिअर करण्यासाठी आवडीचा एकच रस्ता सुद्धा पुरेसा असतो.

खरंतर कला शाखेतून करिअरसाठी पुरेसे रस्ते नाहीत असं म्हणताच येणार नाही. कारण कलाशाखेत असलेल्या भूगोलासारख्या विषयाला विज्ञानाची जननी म्हणतात. अशा विषयात करिअरसाठी कितीतरी स्कोप आहे.

- मॉडर्न महाविद्यालयात असताना 'आर्ट सर्कल'मध्ये तुमचं मोठं यश आहे, त्याविषयी थोडंसं सांगा.

– मॉडर्न कॉलेज आर्ट सर्कलमध्ये काम केलेले

दिवस माझ्यासाठी अविस्मरणीय आहेत. एकपात्री, एकांकिका, पोस्टर, काव्य वाचन इत्यादी स्पर्धांमध्ये वेगवेगळ्या ठिकाणी मॉडर्न कॉलेजचं प्रतिनिधित्व केलं, त्यावेळी एका वर्षात आपल्या महाविद्यालयाला वेगवेगळ्या स्पर्धांमधून तेरा पारितोषिके मिळाली होती. एकपात्रीमध्ये मला पुणे विभागाचं पहिलं स्थान आणि महाराष्ट्रातलं दुसरं स्थान मिळालं होतं.

- 'आर्ट सर्कल'मधील आपली कामगिरी खरंच खूप छान होती. तुम्ही कधी या क्षेत्रात करिअर करण्याचा प्रयत्न केला नाही का?

- मी या क्षेत्रात करिअर करू शकतो असं वाटत होतं. मॉडर्न कॉलेज आर्ट सर्कल बरोबरच मॉडर्न कॉलेज एन.एस.एस.मध्येही पथनाट्या इत्यादी गोष्टीत काम करायचो. 'उद्गार पुणे' या नामांकित नाट्य संस्थेतही काम केलं, पण या सर्व गोष्टी फक्त समाधान व छंद म्हणूनच केल्या. या क्षेत्रात करिअर करू शकतो असं जरी वाटत असलं तरी करिअर म्हणून मी नेहमी 'भूगोल' विषयाकडेच पाहिलं.

- काही दिवसांपूर्वीच तुम्हाला म.न.से.कडून उत्तम समाजकार्याबद्दल एक राज्यस्तरीय पुरस्कार मिळाला. तुम्ही नेहमी समाजकार्यात मग्न असता. यासाठी तुम्हाला प्रेरणा कुठून मिळाली?

- मुळात मी खूप मोठं समाजकार्य वगैरे करतो असं मला वाटतच नाही. मला रिकामा वेळ मिळतो म्हणून मी काहीतरी करतो आणि ज्याप्रमाणे लहानपणापासून माझा चांगल्या लोकांशी, महाविद्यालयांशी, जाणीव सारख्या संस्थांशी संबंध आला त्यामुळे मी जे काही करतो ते समाजाच्या हिताचं ठरण्यासारखंच करतो आणि या सगळ्या गोष्टींतून मला आनंद मिळतो आणि हा आनंद मला कार्यरत ठेवतो असं मला

वाटते.

- तुमच्या पुढील जीवनात तुमचं ध्येय काय आहे?
- येणाऱ्या प्रत्येक परिस्थितीला सामोरं जाऊन आनंद मिळविणे हे माझं प्रथम ध्येय आहे. त्याबरोबरच मी चालू केलेल्या 'जीओएक्सलन्स ॲकॅडमी' मार्फत अधिकाधिक विद्यार्थ्यांना भूगोल विषय अभ्यासायला मदत करणे तसेच त्यांना चांगला माणूस बनण्यास मदत करणे हे मला आवडणार आहे कारण शिक्षक बनून खूप काही शिकता येतं असं मला वाटतं.

- मॉडर्न कॉलेजची तुमच्या विकासासाठी तुम्हाला कशी मदत झाली?

- "जे शिक्षण विचार करायला शिकवतं तेच खरं शिक्षण" हे योग्यच आहे. तसेच विचार करण्यास प्रवृत्त करणारे शिक्षक आपल्यास लाभले तर आयुष्य यशस्वीरीत्या पुढे जात असते. महाविद्यालयीन शिक्षण घेताना फक्त पुस्तकी ज्ञान योग्य नसून आयुष्य सर्वगुणसंपन्न होण्यास आवश्यक असलेल्या मूल्यांनाही महाविद्यालयातून अंगिकारणे आवश्यक आहे. हा विचार नीच मॉडर्न महाविद्यालय आजपर्यंत प्रत्येक विद्यार्थ्याला देत आले आहे.

२००६ ते २००९ या कालावधीत मॉडर्न महाविद्यालयातील कलाक्षेत्रातील तीन वर्ष आयुष्याला यशस्वीरीत्या कलाटणी देण्यास कारणीभूत ठरली. दहावीपर्यंतचे संपूर्ण शिक्षण खेड्यातील संस्थेत गेलेले. पुढे काय करायचे? हा प्रश्न सर्वसामान्यांसारखा मलाही होताच. फक्त फरक एकच 'संधीच्या शोधात सतत असणारा मी'. हो, ती संधी २००६ मध्ये आलीच. पुण्यातील नावाजलेले महाविद्यालय मॉडर्न महाविद्यालयातील कलाविभागात प्रवेश घेतल्याने.

विज्ञान शाखेतून आल्यामुळे कलाशाखेतील शिक्षणात अजून रुची वाढू लागली होती. दुसऱ्यांसाठी जमेल तसे काहीतरी करावे ही इच्छा असल्यामुळे तसे काही उपक्रम महाविद्यालयात आहेत का याचा शोध सुरू केला. अशावेळी ज्यांच्या मार्गदर्शनाने मॉडर्न मध्ये आलो. अशा एका सज्जन, निस्वार्थी, चैतन्यमय शिक्षकाची गाठ पडली. त्यांचे नाव श्री. नरेंद्र नायडू सर. प्रत्येकाला आपलेसे वाटणारे व्यक्तिमत्त्व. राष्ट्रीय सेवा योजनेच्या उपक्रमांमध्ये एका नव्या पर्वाची सुरुवात झाली. कुदळ, फावडे, टिकाव व वडापाव ही संकल्पनाच मोडीत काढून समाजसेवेबरोबरच स्वतःला ओळखून आपले सर्वोत्तम समाजासमोर आणणे व त्याचा समाजास उपयोग होईल असे कार्य करावे हे मॉडर्न महाविद्यालयातील राष्ट्रीय सेवा योजनेनुसार तीन वर्षांच्या कालावधीत शिकवले.

● *आपण सहजपणे येथे रुळलात का?*

- हो. महाविद्यालयातील पहिले वर्ष सर्वांच्या ओळखी करणे, मित्रमंडळी जोडणे, शिक्षकांशी जवळीक वाढविणे, महाविद्यालयात होणारे उपक्रम इ. अशा अनेक गोष्टी समजून घेत होतो. महाविद्यालयातील स्पर्धांमध्ये सहभागी होऊन पारितोषिके मिळवित होतो.

पहिल्या वर्षी राष्ट्रीय सेवा योजनेमध्ये श्रीमती सुनीता पुरोहीत व श्री. नरेंद्र नायडू यांच्या मार्गदर्शनाखाली अनेक उत्कृष्ट उपक्रम राबविले. त्यामध्ये सामाजिक, शैक्षणिक व सांस्कृतिक उपक्रमांचा समावेश होता. राष्ट्रीय सेवा योजनेचे शिबीर एका वेगळ्याच विश्वात घेऊन जाते. ते १० दिवसांचं शिबीर पुढील १० वर्षांतील अनेक महत्त्वाच्या गोष्टी शिकवून जाते. स्वपासून अनंतापर्यंतच्या अनेक बाबींचा उलगडा येथे

होतो. दरम्यानच्या वर्षी मला मॉडर्न महाविद्यालयाचे वेगवेगळ्या कारणास्तव प्रतिनिधित्व करण्यास संधी मिळाली. पथनाट्य, वक्तृत्व स्पर्धांमध्ये मी व आमच्या संघाने अनेक पारितोषिके मिळविली.

● *पदवीकरिता मुख्य विषय कसा निवडलात?*

- महाविद्यालयातील माझे दुसरे वर्ष सुरू झाले. आता आम्हाला एक मुख्य विषय निवडायचा होता. मुख्य विषय निवडणे म्हणजे आपल्या नव्या व न संपणाऱ्या पर्वाच्या दिशेने जाणे. राज्यशास्त्र घ्यावा की भूगोल घ्यावा? या धर्मसंकटात अडकलो होतो. अशा वेळी राज्यशास्त्राच्या मॅडम व भूगोलाचे श्री. विलास कांबळे सर यांच्याशी बोललो असता एक पालक ज्या पद्धतीने आपल्या मुलाला निस्वार्थीपणे मार्गदर्शन करीत असतात त्याप्रमाणे यांनी मार्गदर्शन केले. विज्ञान शाखेतून कलाशाखेत आल्यामुळे भूगोलासंदर्भात जास्तच आस्था होती त्यामुळे भूगोल घ्यावा हे पो झाले.

● *आपण मॉडर्नचे 'विद्यापीठ प्रतिनिधी (ळ)' होतात असे ऐकले. त्याविषयी सांगा ना.*

- एके दिवशी मला नायडू सरांचा फोन आला की, 'उद्या सकाळी १० वाजता आपल्या महाविद्यालयाच्या विद्यापीठ प्रतिनिधी पदाची निवडणूक तर तुझी राष्ट्रीय सेवा योजनेचा प्रतिनिधी म्हणून निवड करण्यात आली. तू निवडणूक लढावी व जिंकावी अशी आमची इच्छा आहे. महाविद्यालयाला चांगल्या प्रतिनिधीची गरज आहे.' मला हे सर्व ऐकल्यावर काही कळेचना. मी सुन्न झालो होतो, हा अनुभव माझ्यासाठी नवीन होता. मला साधे महाविद्यालयातील निवडणुकीतील ओ को ठो माहीत नव्हते. दुसऱ्या दिवशी सकाळी १०

वाजता मी निवडणुकीच्या ठिकाणी पोहोचलो. एखाद-दुसरा ओळखीचा चेहरा दिसत होता. साधारणतः ३८ विद्यार्थी उपस्थित होते. आधीच्या दिवसापर्यंत कोण आपल्याला निवडून देतात हे साधे माहीत नव्हते. आम्ही ४ जणांना प्रत्येकी ५ मिनिटे बोलायला लावले. मी माझ्या दृष्टीतील आदर्श महाविद्यालय सर्वासमोर मांडले आणि आश्चर्य म्हणजे मला ३८ पैकी १९ मते मिळाली होती. मी मॉडर्न महाविद्यालयाचा विद्यापीठ प्रतिनिधी म्हणून निवडून आलो. याच दरम्यान सर्व विभागांतील विद्यार्थी प्रतिनिधींची दर महिन्याला बैठक घेऊन प्रश्न समजत होतो व प्राचार्य श्री. गोसावी सर यांच्यापर्यंत पोहोचवून बदल घडवण्याचे काम सुरू केले. विद्यापीठ प्रतिनिधी म्हणून काम करताना प्राचार्य श्री. गोसावी सर यांचे जे काही संस्कार माझ्यावर झाले आहेत ते आजही माझ्या कामी येत आहे. महाविद्यालयातील पिण्याच्या पाण्याचा प्रश्न, मुलांच्या टॉयलेटचा प्रश्न, नोटीस बोर्डचा प्रश्न, खेळण्याच्या मैदानाचा प्रश्न, कचऱ्याचे डबे इ. अनेक महत्त्वपूर्ण विषयाकरिता पाठपुरावा करीत होतो व यशही आले. साधारणतः सप्टेंबर २००८ मध्ये एन सी सी, कलामंडळ, एन एस एस, क्रीडा विभागातील प्रतिनिधींना एकत्रित आणून एकत्रितरीत्या महाविद्यालयातील उपक्रम चांगल्यात चांगले कसे करावे याचा विचारविनिमय करून दिनांक ८.८.२००८ रोजी सुमारे ४०० ते ४५० मुलांना एकत्रित करून महाविद्यालयाबद्दल प्रेम व आस्था जागृत करण्याचा प्रयत्न केला. पुढील सर्व उपक्रम एकत्रित येऊन यशस्वी केले. या वेळी अनेक शिक्षकांचे व मित्रांचे सहकार्य लाभले. यामध्ये प्रामुख्याने श्रीराज जाखलेकर, रोहित नागलगाव, नितीन मडिवाल, सतीश रनवरे इ.

अनेक मित्रांचे सहकार्य लाभले.

- आपल्याला कॉलेज जीवनात काही पुरस्कार किंवा पारितोषिके मिळाल्याचे सांगितलेत त्याबद्दल आणखीन काही...
- २००८ हे वर्ष माझ्यासाठी यशस्वी वर्ष ठरले. याच काळात आपल्या महाविद्यालयास पुणे विद्यापीठाकडून २००८ वर्षाचे उत्कृष्ट महाविद्यालयाचे पारितोषिक मिळाले. महाविद्यालयाने National Institute of Event Management या संस्थेकडे माझे नाव पाठविले होते, त्यावेळी आपल्या महाविद्यालयास Best Event Organizer College व मला Best Event Manager of the Year असे पारितोषिक मिळाले. चरित्र प्रतिष्ठान मार्फत घेण्यात येणाऱ्या पुणे विद्यापीठातील महाविद्यालयातील उत्कृष्ट कार्य अथवा चरित्र असणाऱ्या विद्यार्थ्यास चारित्र्य छात्र उपासक पुरस्कार दिला जातो. तो पुरस्कार महाविद्यालयाने माझ्यावर केलेल्या संस्कारांमुळे मला अॅड. उज्वल निकम यांच्या हस्ते मिळाला. चाकण येथील पथनाट्यास आपल्या महाविद्यालयास पहिले पारितोषिक मिळविण्यात यश आले. रोटरी क्लब ऑफ सिंगड आयोजित आंतरमहाविद्यालयीन पथनाट्य स्पर्धेतही आपल्या महाविद्यालयास पारितोषिक मिळवून देण्यास यश आले. लोकमत वृत्तपत्र आयोजित एकपात्री नाट्यस्पर्धेत पुणे विभागातून पहिले व महाराष्ट्र राज्यातून दुसरे पारितोषिक मिळविण्यास यशस्वी ठरलो. डिसेंबरमध्ये नायडू सरांच्या मार्गदर्शनाने संपूर्ण भारतातून 'टाटा जागृती यात्रा' करिता ३५० युवकांमध्ये माझी निवड झाली होती. यावेळी २० दिवस संपूर्ण भारत फिरून भारतातील उद्योग विश्व पाहण्याची संधी मिळाली. जयंत नारळीकर, किरण बेदी, डॉ.

ए.पी.जे. अब्दुल कलाम, रतन टाटा इ. आदर्शाना भेटून संवाद साधला. हे फक्त आणि फक्त माझ्या मॉडर्न महाविद्यालयामुळेच. याच दरम्यान महाविद्यालयातील प्लॅनिंग फोरममार्फत घेण्यात येणाऱ्या वक्तृत्व स्पर्धेतही पहिले पारितोषिक मिळाले. आपल्याला किती पारितोषिके मिळतात हे महत्त्वाचे नसून, या स्पर्धा आयोजित करण्यामागील महाविद्यालयाचा हेतू काय असतो याचा विचार येथे महत्त्वाचा आहे. अर्थशास्त्र सर्वापर्यंत पोहोचण्याचा उद्देश या स्पर्धेतून सफल झाला. प्लॅनिंग फोरमचे काम जबाबदारीपूर्वक पाहणारे श्री. शेंडे सर यांची संकल्पना विद्यार्थ्यांच्या विचारांना बळ देणारी आहे.

जेव्हा मला महाविद्यालयातील आदर्श विद्यार्थ्यांचे पारितोषिक मिळाले त्यावेळी इंग्रजी विषयाच्या श्रीमती ठाकूर मॅडम यांनी भूगोलाचा शब्दकोश भेट देताना मला म्हणाल्या, 'पहिल्या वर्षी पहिल्याच दिवशी तू पुढे काय करणार हे सांगितले होतेस ते लक्षात ठेऊन तू ज्या पद्धतीने पुढे जातोयस याचे कौतुक म्हणून तुला ही भेट'. मी था झालो होतो. आपल्या विद्यार्थ्यांचा विचार करणारे शिक्षक जर आपल्यास लाभले तर हे आपले भाग्यच म्हणावे. त्यांच्या आशीर्वादाने मी खूप काही शिकलो.

- **आपल्या वेळी डेज व गॅदरिंग कसे असायचे?**
- वेगवेगळे डेज व गॅदरिंग हा विद्यार्थ्यांचा अतिशय जिन्हाळ्याचा विषय. प्रत्येकाच्या मनात वेगवेगळ्या कल्पना व इच्छा. अशावेळी डेजच्या तारखा ठरविणे व डेज ठरविणे म्हणजे एक सर्कस असते. कारण कोणालाही नाराज करायचे नसते. शिक्षक व विद्यार्थी यांचा मध्य काढायचा असतो. खरंतर आपण खूप काही शिकायचं असतं आणि मी ते शिकलोही.

महाविद्यालयातील गॅदरिंग प्रत्येक तुकडीचे वेगळे असते या संदर्भात मुले नाखुश असतात परंतु कुठलेही वाद न व्हावे व सर्वांना आनंद उपभोगता यावा व सहभागी होता यावे याकरिता प्रत्येक तुकडीचे गॅदरिंग वेगळे असणे योग्य आहे हे प्रत्यक्ष काम करताना कळाले. जेव्हा डेज व गॅदरिंग यशस्वीरीत्या पार पडले त्यावेळी प्राचार्य श्री. गोसावी सरांचे वाक्य मला आजही आठवते की 'आपल्या महाविद्यालयस फक्त नेता नाही तर कार्यकर्ताही मिळाला आहे.' खरोखर आपण जे काम करतो ते फक्त आपल्यापुरते मर्यादित न ठेवता दुसऱ्यांनाही त्याचा उपयोग व्हावा असे काम आपले असावे हे महाविद्यालयातील शिक्षकांकडून शिकलो.

- **मॉडर्नच्या शिक्षकांविषयी काही गोष्टी सांगू शकाल का?**

- विद्यार्थी कल्याण मंडळाचे प्रमुख श्री. उजळंबकर सर यांचा स्वभाव अतिशय शांत व सकारात्मक. महाविद्यालयात फक्त शिक्षणच महत्त्वाचे नसून, मूल्यांची उपासना कशी असावी हे वेळोवेळी त्यांच्या स्वभावातून विद्यार्थ्यांपर्यंत पोहोचत होते.

आज अनेक महाविद्यालयांमध्ये शिक्षक-शिक्षकांमधील मतभेद विद्यार्थ्यांसमोर आणले जातात व महाविद्यालयाचे शैक्षणिक वातावरण बिघडवले जाते; परंतु मॉडर्न महाविद्यालयात असे अजिबात होत नाही हे सांगताना अभिमान वाटतो. सर्व शिक्षक एकत्रितपणे कार्य करीत असतात. मी भूगोल विभागात होतो. भूगोल विभागातील श्रीमती नयना कुलकर्णी मॅडम व श्री. विलास कांबळे सर यांनी मला दिलेली जबाबदारी अतिशय काळजीपूर्वक पार पाडण्याचा प्रयत्न मी नेहमीच करीत आलो. विज्ञान प्रदर्शन, १० दिवसांची अभ्यास सहल व

त्याचबरोबर भूगोल विभागातील कार्यक्रमाची जबाबदारी संदर्भातील मार्गदर्शन आजही कामी येत आहे. मुळातच दोघांचे शिकविणे खूपच सुरेख होते. मला प्रॅक्टिकल मराठी मीडिअममधून करायचे नव्हते तेव्हा श्रीमती नयना कुलकर्णी यांच्याशी संपर्क साधता नियम बाजूला ठेऊन परवानगी दिली, त्यामुळे पोस्ट ग्रॅज्युएशन करताना त्याचा मला खूप उपयोग झाला.

हिंदी आपली राष्ट्रभाषा. आम्हाला हिंदी शिकविणाऱ्या श्रीमती सुनीता पुरोहित मॅडम यांच्यामुळे राष्ट्रभाषा प्रचार समिती मार्फत घेण्यात येणाऱ्या आंतर महाविद्यालयीन हिंदी पोस्टर, एकांकिका व एकपात्री स्पर्धांमध्ये आपल्या महाविद्यालयास पहिले पारितोषिक मिळवून देण्यात आम्हांला यश आले.

मानसशास्त्र विभागातील डॉ. ओक मॅडम व श्रीमती जगताप मॅडम, इतिहास विभागातील श्रीमती अदमाने मॅडम, वाणिज्य विभागाचे श्री. गायकवाड सर यांच्याशी खूप छान नाते जोडले गेले होते. विद्यार्थी व शिक्षक यांचे नाते किती जिवंत असावे हे त्यांच्याशी संवाद साधताना अनुभवास येते

वाणिज्य विभागाचे उपप्राचार्य श्री. वाघमारे सर व विज्ञान विभागाचे उपप्राचार्य श्री. देशमुख सर यांचा धाक किती महत्त्वाचा आहे हे आज जाणवते. मुळातच त्यांच्या आस्तत्वाने महाविद्यालयातील विद्यार्थ्यांमध्ये एक विद्यार्थी म्हणून शिस्त कशी असावी लागते हे आम्हाला वेळोवेळी जाणवले.

- 'मॉडर्न' नियतकालिकासंबंधी आपला काय अनुभव आहे?

- महाविद्यालयाचा एक अतिशय स्तुत्य उपक्रम म्हणजे विद्यार्थ्यांकरिता असलेले 'मासिक'. आपल्या मनात असलेल्या विचारांना

पोहोचविण्याचा मार्ग. दरवर्षी या मासिकामध्ये विद्यार्थ्यांकरिता नावीन्य असते. याचा अनुभव मी तीनही वर्षी घेतला. मला लिखाण व मुखपृष्ठाचे पेन्टिंगही करण्याची संधी मिळाली. खरोखर मासिक तयार करणाऱ्या टीमच्या या कार्यामुळे पुढे सर परशुरामभाऊ कॉलेजमध्ये 'कॅलिकस' नामक रिसर्च मॅगझिनचे काम करताना अथवा लिखाण करताना वेळोवेळी खूप उपयोग झाला.

- आपल्याला आणखीन काही सांगायचे आहे का? मॉडर्न महाविद्यालयातील सर्वच उपक्रम आणि शिक्षक-विद्यार्थी नाते यामुळे एक वेगळेपण सर्वासमोर ठळक दिसते. याचे उदाहरण म्हणजे महाविद्यालयाचे युजीसीचे 'नॅक' व्हिजीट असताना मला विद्यार्थी मेळाव्यातील यशस्वी विद्यार्थ्यांशी संवाद साधण्याची संधी मिळाली. आज आपल्या महाविद्यालयामधून कला, राजकारण, व्यवसाय, शिक्षण, विज्ञान इ. अनेक क्षेत्रांत आपले विद्यार्थी उच्च स्थानी विराजमान झाले आहेत त्यामुळे ही परंपरा व जबाबदारीची जाणीव माझ्यात निर्माण झाली. मॉडर्न महाविद्यालयाचा विद्यार्थी म्हणून आज मी स्वतःला फार भाग्यवान समजतो. येथील वातावरण खूपच सकारात्मक असल्याने शिकून काम करीत असतानाही कधी कशाचा कंटाळा आला नाही. प्रत्येक नवीन उपक्रमातून वेगवेगळ्या गोष्टींचा उलगडा होत होता. अशा उपक्रमांमधून परिपूर्ण व्यक्तिमत्त्व बनण्यास मार्गक्रमण होते. सामाजिक, राजकीय व शैक्षणिक भान जागृत ठेवण्यास प्रवृत्त करणारे हे महाविद्यालय प्रत्येकाच्या नशीबात यावे हीच इच्छा.

★ ★ ★

नवीन पिढी : आजचे वास्तव

मोनिका बाळासाहेब नाईकडे, प्रथम वर्ष, वाणिज्य (अ)

प्रसंग क्र. १ (राधा किंवा प्रणितचं घर...)

“मम्मा, मी जॉब करणारेय...”

“हम...”

“आमचे इन्स्टिट्यूटमधले सर आहेत ना, शाह सर, त्यांची इन्स्टिट्यूट आहे, डेनला, जवळच कॉलेजच्या. एम.बी.ए.चे क्लास घेतात.”

“हम...”

“अ..SS... मार्केटिंग करायचंय क्लासचं. C.A त ना... ते सर. अगं तेवढाच experience ना.... म्हणून बाकी काही नाही.”

“हम...”

“मम्मा... मी स्टोरी नाही सांगतेय...”

“आवाज हळू आला तरी मला ऐकायला येईल.. बरं... पुढे..”

“तू अजिबात इंटरेस्टच घेत नाहीये. मी काय बोलतोय/बोलतेय त्याच्यात, मला जॉब करायचाय आणि हां... ३०००-५००० pay, plus per month incentives हा बघ मेसेज”

“तुला क्लास लावायचेत का तिथे?”

“आई...!! मी एफ.वाय.ला आहे... आणि सर एम.बी.ए.चे क्लासेस घेतात.”

“पैसे बाजूला राहू दे... मार्केटिंग म्हणजे ना करायचंय काय?”

“अगं लोकांना माहीत व्हायला पाहिजे ना... असे असे क्लासेस आहेत... म्हणजे लोक येतील... just marketing”

“म्हणजे फोन कॉल्स करणे, जाहिरात, प्रोफाईल बनवायचे. बरोबर ना?”

“म्हणजे हो.... थोडं थोडं तसंच...”

“थोडं थोडं नाही. सगळं असंच.... तुला काय वाटलं, मला काही कळत नाही का? लहान आहेस तू.

अजून बाहेरचे लोक, जग कसं असतं हेही आपल्याला माहीत नाही.”

“मग होऊ दे ना माहीत... लोक कसे असतात ते!”

“अच्छा... समजू तू जॉब करतेयस आणि तुला त्या कामाचे पैसे मिळाले... काय करशील त्याचं?”

“जाऊ दे तुझा माझ्यावर विश्वासच नाहीये... मी कधीतरी तुला विचारल्याशिवाय पैसे खर्च करते का? मी माझी फी स्वतः भरू शकेन... वाटलं तर तुझ्याकडे आणून देईन...”

“मला गरज नाहीये.. आणि तुलाही त्याची गरज नाहीये. तुला जर काही कमी पडत असेल तर मला सांग. विषय संपला!!!”

“अगं मम्मा, कॉलेजमधील कितीतरी मुलं कुठेकुठे जॉब करतात शिकता शिकता.. मी काही BPO किंवा Call centre मध्ये नाही जातेय... आणि सर आपल्याच ओळखीचे आहेत...”

“तुला एकदा सांगितलेलं कळत नाही का गं? Inter झाल्यावर तीन वर्षं internship अनुभवच घ्यायचा असतो ना? असला जॉब नाही करायचा. इतक्या लवकर हातात पैसे खुळखुळायला लागल्यावर पैशांची किंमत कळणार कधी? तुझं C.A., CWA पूर्ण कर.. आणि मगच पाहिजे ते.. आपलं ध्येय काय... आपण जॉब बघतोय काय? या विषयावर माझ्याशी पुन्हा बोलायचं नाही... समजलं?”

“हम...”

“कशाला देता त्या US/UK मधल्या मुलांचे दाखले? आम्ही तसं करायला गेलो की म्हणजे ‘शिक्षण पूर्ण करा... विद्यार्थीदशा आहे आपली अजून.’ (आमच्या मनात आलेला साहजिक प्रश्न)

प्रसंग क्र. २ (अनुष्का किंवा आदित्यचं घर)

“बाबा हा आऊटडेटेड सेल फोन नकोय मला...”

“मग दुसरा घे...”

“मी कुठून घेऊ? तुम्ही द्या ना... साधा MP3 पण नाहीये हा... डब्बा.”

“ओह...!! बरं... पुढे..?”

“आता सगळ्यांकडे ब्लॅकबेरी, टचस्क्रीन, ipad, Tabs असतात. मला निदान Samsung 308 तरी द्या ना... तुम्ही नाही का Galaxy वापरत?”

“कशाला पाहिजे तुला इतका महाग फोन?”

“सगळ्यांकडेच असतो बाबा...BTW त्यावरूनच आता फ्रेंडशिप आणि तुमचा स्टेटस ठरतो. माझ्याकडे स्मार्टफोन नसल्याने मला एकटं पडल्यासारखं वाटतं... माझे फ्रेंड्स सारखे विचारतात, ‘तू newcell केव्हा घेणार आहेस?’ ”

“त्यांनाच सांगायचं... तुम्हीच मला एखादा मस्त फोन गिफ्ट करा.”

“बाबाSSS काय हो असं...?”

“हे बघ, मला असं वाटतं कॉलेज गोईंग मुलांना.. फोनचं.. फोन घेणे आणि करणे याशिवाय दुसरं काम असत नाही... घाईघाईने मेल सेन्ड करणे, चेक करणे या इतपत कुणाचं ‘तुमच्या’वाचून अडत नाही. मी जो फोन वापरतो, तो माझ्या स्वतःच्या पैशांचा आहे.. हा साधा हूल जगम जो तुला वाटतो, तुला वापरायचा असेल तर वापर नाही तर घरी ठेव... नेटसर्फिंग करायचं असेल तर घरी नेट कनेक्शन आहे... माझं बोलून झालंय... अभ्यासाला बसायला हरकत नाही...!”

“हो!!!”

-

(कसलेयंत यार हे लोक)

(तोच genuine question !!)

प्रसंग क्र. ३ (मोना किंवा मैत्रेयचं घर...)

“किती वेळा सांगून झालंय... तुला ते फेसबुक बंद कर... काय तोंडं बघत बसायची त्या लोकांची...?”

आणि ते ट्रीपचे फोटोज् आधी र्गू कर... नाहीतर बाबांना सांगेन आता... पहिल्यांदा अर्धातास नंतर एक, मग दोन आणि आता वाटेल तेव्हा fb वर... अभ्यास भरपूर आहे आपल्याला....!”

“OMG!!.... किती बोलतेस तू? आता सगळेच fb वर असतात... आमचे सर, मॅडमसुद्धा आहेत... आणि माझे मेसेजेस, माझी वॉल दाखवतेच ना तुला...? १५० च फ्रेंड्स आहेत गं... आणि सगळे ओळखीचे आहेत...!”

“तुमचे सर आणि मॅम वेल सेटल्ड आहेत... आणि तुमचं करियर व्हायचंय अजून... व्यसन लागलंय व्यसन...”

“मम्मा आजच्या युगात ही बेसिक नीड आहे. आपण आपले विचार, मतं तिथे लिहू शकतो. कॉन्टॅक्ट राहतो गं... तुम्ही जर fb वर नसाल तर तुम्ही out-dated... BTW, मी एकही गोष्ट तुझ्यापासून लपवत नाही...Even you know my password !!”

“विश्वासाचा प्रश्न नाहीये... विश्वास आहे तुझ्यावर... आपला किती वेळ जातो विनाकारण याचाही विचार कर... आणि तुमचे विचार आणि से ओबामाला लागतात का पृथ्वीराज चव्हाणांना? msg टपकायला लागलेत बघ...! बंद कर ते पहिल्यांदा. का मी बंद करू?”

“करते!!”

-

फेन्ड्स!

वरील तीनच काय, असे बरेच वादविवादाचे प्रश्न, प्रसंग तुमच्या आमच्या घरात घडतात... हो ना? आणि आपण एकदम गरम डोक्याने विचार करतो... खूप शांत डोकं ठेऊन विचार केल्यानंतर मी इथपर्यंत पोहोचले... (तुमचे विचार यापेक्षा वेगळे असू शकतात.)

१) जॉब प्रकरण :

मला खरंच याची गरज आहे...? किती दिवस हा उद्योग करणार... जर माझं ध्येय क्लिअर असेल तर नाही गरज... त्यापेक्षा शिक्षण पूर्ण करून अनुभव

घेतलेला बरा... कारण आपण तेव्हा पुरेसे मोठे झालेलो असतो, मानसिक ताकद आपल्यात आलेली असते. (युके/युएसमधली मुलं माहितीये किती भरकटत जातात.... सगळीच नाही म्हणा... पण हो... त्यांची ही बाजू अगदीच चुकीची नाही.) सो नकोच तो जॉब... अभ्यासाबरोबर...add on कोर्स करू.. ट्रेकिंग करू... भरपूर मस्त मस्त Lectures अटेंड करू. खरंच पर्सनॅलिटी डेव्हलप होईल...

२) मोबाईल प्रकरण :

मला जर पैसे कमवायची आल नाही तर मी का वापरावा इतका महाग मोबाईल..? मोबाईलशिवायसुद्धा जगणं अशक्य नाही. पडतोय ना आपण एकटं, पडू दे ना... उलट लोकांना माझी गरज सारखी कशी पडेल इतकी मी All rounder होऊन दाखवीन...

मोबाईल फोनच्या मॉडेल वरून मैत्री?...

.... How stupid ? खरंच बालिशपणा आहे हा... अशा निकषांवर होणारी मैत्री त्या हॅण्डसेटसारखीच तकलादू असणार!

३) Facebook ... प्रकरण :

हुश... थोडं अवघड आहे हे व्यसन सुटणं... हो, पण मी लिमिट घातलंय स्वतःला. रविवारी संध्याकाळी फक्त अर्धातास... पर्सनल फोटो अपलोड करायचे नाहीत. त्यापेक्षा रोज सकाळी युनिव्हर्सिटीत मॉर्निंग वॉकला जायचं....

संपर्कच वाढवायचेत ना? एका एनजीओ सोबत वाढवा. मी 'लोकायत' जॉईन केलंय. सामाजिक भान, जबाबदारी एकूणच ज्ञान तिथे जाऊन खूप वाढलंय.

फेसबुकवरच्या Virtual images बरोबर बोलण्यापेक्षा इथल्या मीटिंग्ज जास्त चांगल्या वाटत आहेत...

आपण उगीच गरम डोकं करतो यार...!! टेन्शन घेतो कशाचंही... यापुढे शांत विचार करा. OK !?!!?

★ ★ ★

हाक

काळ्याभोर वावरात
उभा नांगराचा फाळ
कुठे गेलाय पाऊस
त्याच्या भोवताली जाळ

माझ्या बापाची पेरणी
गेली मातीत जळून
कसा बघतो निमूट
तु रं आभाळी बसून

डोळा लागांना डोळ्याला
तुझ्या वाटेत लेकरं
दाही दिशांत हिंडती
तुझ्यासाठीच पाखरं

आला सुतकीचा वाघ
झाली धरणी बेभान
लय लेकरांचं हाल
आता बरसं वेगानं

आरं पावसाच्या ढगा
माझ्या जीवनी भेटावा
माझ्या भंगल्या वावरी
धान होऊन पेटावा

माझा कोंडतोय श्वास
हाक अखेरची तुला
माझ्या माघारी झुलावा
जगी ममतेचा झुला

शुभांगी जगताप

११ वी ड

पोलिसांच्या मुलांच्या समस्या

राहुल हांडे (एम.ए. मराठी)

महाराष्ट्रात एक लाखापेक्षा अधिक पोलिस कर्मचारी आणि अधिकारी आहेत. पोलिसांच्या वसाहतला 'पोलिस लाईन' म्हणतात. प्रत्येक पोलिस लाईनीतील समस्या कमी-अधिक प्रमाणात सारख्याच आहेत. आर्थिक, शारीरिक, मानसिक समस्यांबरोबरच पोलिसांना स्वतःच्या मुलांच्याही अनेक समस्या भेडसावीत आहेत. कामाच्या अनियमित तासांमुळे पोलिसांना स्वतःच्या मुलांच्या अभ्यासाकडे लक्ष देता येत नाही. त्यामुळे ही मुले अल्पशिक्षित राहातात. कमी शिक्षणामुळे समाजात त्यांना दुय्यम वागणूक मिळते. त्यामुळेच ही मुले गुन्हेगारीकडे वळताना आढळून येतात.

पोलिसांच्या मुलांच्या विकासाला आवश्यक असणारे पोषक वातावरण त्यांच्या घरात नसते. आणि पोलिस लाईनीत तर अजिबातच नसते. त्यामुळेच ही मुले वाढत्या वयाबरोबर अभ्यासापासून दूर आणि व्यसनांच्या आहारी जाताना दिसतात. व्यसनाधिनतेमुळे शारीरिक व मानसिक आरोग्य धोक्यात येऊन प्रगतीची सर्व दारेच त्यांच्यासाठी बंद होतात.

कोणत्याही मुलांच्या सर्वांगीण विकासासाठी त्यांच्यावर चांगले संस्कार होण्याची आवश्यकता असते. मुलांना सत्य बोलणे, सदाचार, सद्‌वर्तन, परिश्रम, चिकाटी, सातत्य यांसारख्या मूलभूत गुणांचे संस्कार मिळणे महत्वाचे असते; परंतु आई-वडील तेथे कमी पडतात. वडीलच पोलिस असल्यामुळे त्यांना कायद्याची भीती वाटत नाही.

लहानपणापासून शिक्षणाची आवड मुलांमध्ये निर्माण करण्यात पालकांना अपयश आल्यामुळे पोलिसांची मुले कशीतरी दहावी-बारावी पास होतात. पुढे कलाशाखेची पदवी घेतात. परंतु त्यांची गुणवत्ता

पूर्णपणे ढासळलेली असते पदवीधर मुलांना दहावी, बारावीचाही अभ्यास येत नाही. त्यामुळेच ही पदवीधर मुले उच्चशिक्षणाकडे वळत नाहीत.

बहुतांश पोलिसांच्या मुलांचे उद्दिष्ट पोलिस होणे हेच असल्यामुळे ती उच्चशिक्षण घेत नाहीत. पोलिसभरतीला बारावी पास ही शैक्षणिक अट असल्यामुळे ते गरजेपुरते बारावी शिकतात व पुढचे शिक्षण सोडून देतात.

पोलिसांच्या मुलांचे शिक्षण मराठी माध्यमातून झाल्यामुळे त्यांना इंग्रजी येत नाही. दहावी-बारावीला कमी गुण मिळाल्यामुळे शास्त्र किंवा अभियांत्रिकी शाखेला त्यांना प्रवेश मिळत नाही. खासगी महाविद्यालयांमध्ये प्रवेश घेणे हे पोलिसांच्या आर्थिक शक्तीच्या बाहेरची गोष्ट ठरते. त्यामुळे दुय्यम दर्जाचे शिक्षण घेणे पोलिसांच्या मुलांना भाग पडते.

थोडक्यात, पोलिसांच्या मुलांच्या समस्यांबाबत कमी शिक्षित पालक, मार्गदर्शनाचा अभाव, पोषक वातावरणाची कमी, व्यसनाधीनता, चांगल्या शाळेतील कमी प्रवेशता, ग्रंथालयाचा अभाव, बालगुन्हेगारी, उत्सवप्रियता, उच्चशिक्षणाची अनास्था, बेकारी, संस्कारांची कमी, गुणवत्तेची कमी, मुजोरपणा इत्यादी गोष्टी जाणवतात.

एकूणच, या मुलांमध्ये समाजातील सर्वांनी शिस्त आणि प्रेम यांचा समन्वय साधला तरच त्यांना योग्य दिशा, योग्य मार्गदर्शन मिळेल. प्रत्येक पालकांनी या मुलांच्या समस्या चांगल्याप्रकारे समजावून घेतल्या आणि त्या सोडविण्यासाठी प्रयत्न केला. तरच पोलिसांच्या मुलांचे भवितव्य उज्ज्वल होईल.

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साप

स्नेहा कामत (तृतीय वर्ष - प्राणिशास्त्र)

(१) सापाबद्दल अनेक गैरसमजुती व अंधश्रद्धा असल्यामुळे लोक सापांना घाबरतात.

(२) साप हा भूतलावर प्रथम वास्तव्य करणाऱ्या प्राण्यांचा वंशज आहे.

(३) साप हा सरपटणारा, थंड रक्ताचा, पूर्णपणे मांसाहारी असा प्राणी आहे.

(४) सापांबद्दल इतर प्राण्यांच्या तुलनेत हव्या तेवढ्या प्रमाणात पूर्वी अभ्यास झाला नसल्याने त्याच्याबाबत असलेल्या अज्ञानातूनच अनेक अंधश्रद्धा आणि गैरसमजूतींचा उदय होऊन त्या पिढ्यान् पिढ्या चालत आल्या.

(५) साधारणपणे सापांची माहिती घेताना त्यांचे ढोबळमानाने खालीलप्रमाणे वर्गीकरण होते

स्थानपरत्वे वर्गीकरण-

१) भूपृष्ठाखाली वावरणारे

२) भूचर

३) जलचर- १) गोड्या पाण्यातील, २) खाऱ्या पाण्यातील

गोड्या पाण्यात मुख्यत्वेकरून आढळणारा साप म्हणजे विरोळा किंवा दिवड किंवा पाणाळी किंवा पाणसाप. खाऱ्या पाण्यातील म्हणजेच समुद्रातील साप हे मोठ्या संख्येने विषारी असतात.

ढोबळ वर्गीकरण- १) बिनविषारी

२) अर्धविषारी आणि निमविषारी

३) विषारी

यामध्ये विषारी सर्पदंश होऊन पुरेशा प्रमाणात विष शरीरात गेले असता योग्य उपचाराअभावी मृत्यू संभवतो.

(६) जगभर सापाच्या सुमारे २५०० च्या वर जाती आढळतात. भारतात सापाच्या सुमारे २७५ च्या

आसपास जाती आढळतात. यात बिनविषारी सापांची संख्या फार मोठी आहे. (८० च्या वर)

(७) विषारी सापांच्या बाबतीत सांगायचे झाल्यास समुद्र सर्प हे समुद्रात असल्याने त्यांच्याशी आपला संपर्क फार कमी येतो. (जवळ जवळ नाहीच) त्यामुळे दंशाची शक्यता नसतेच. काही जाती घनदाट जंगलात आढळतात. त्यांच्याशीही आपला संपर्क येत नाही. काही जातींकडे आकारमानामुळे विषाचा साठा अल्प असतो. त्यामुळे दंश झाला तरी पुरेशा प्रमाणात शरीरात विष टोचले जात नाही. त्यामुळे फार कमी जाती अशा आहेत की ज्या मनुष्य वस्ती वा आसपास आढळत असल्यामुळे त्यांचा मानवाशी संबंध येतो व त्यांचा दंश हा प्राणघातक ठरू शकतो. यात मुख्यत्वेकरून नाग, मण्यार, घोणस व फुरसे या जातींचा समावेश होतो.

(८) सर्प हा निसर्गचक्रातील एक अत्यंत महत्त्वाचा घटक आहे. म्हणजेच पर्यावरण संतुलनाच्या दृष्टीने त्याचे महत्त्व अनन्यसाधारण आहे. आपणास ज्ञात आहे की, निसर्गचक्रात परस्परावलंबित्व हा याचा मूळ कणा आहे. हे घटक एकमेकांस पूरक कामे करीत असतात. ही एक अन्नसाखळी आहे. उपेक्षित असा हा प्राणी या अन्नसाखळीतील एक महत्त्वाचा असा घटक आहे. आपल्या कृषिप्रधान देशात पिकणाऱ्या अन्नधान्यावर मोठ्या संख्येने परिणाम करणाऱ्या घटकांपैकी एक घटक हा उंदीर होय. या प्राण्याची प्रजनन क्षमता अफाट आहे. त्यामुळे त्यांची संख्याही बेसुमार वाढत आहे. प्रयोगशाळेत उंदराच्या एका जोडीची जोपासना केली असता वर्षभरात या जोडीने सुमारे ८५० पिढ्यांना जन्म दिल्याची नोंद आहे. अशा या जवळजवळ गुणित प्रमाणात वाढणाऱ्या उंदरांमुळे शेतातील पिकाचे फार मोठ्या प्रमाणात नुकसान होते. (सुमारे एकूण

उत्पन्नाच्या २६ ते ३० टक्के) साध्या हिशेबाने १०० पोती धान्यापैकी २६ ते ३० पोती धान्य उंदरांकडून फस्त केले जाते. अशा या उंदरांचा समाचार घेणारे काही प्राणी व पक्षी निश्चित आहेत, परंतु त्यांना मर्यादा येते. ती अशी की उंदीर जर बिळात गेला तर ते काहीच करू शकत नाहीत; परंतु सापाचे मुख्य अन्न उंदीर असल्याने तो एक असे माध्यम आहे की तो बिळात घुसून उंदरांचा फडशा पाडतो. सापाच्या या उपकारक अशा कामामुळे, विशेषतः धामण या सापाला शेतकऱ्याचा मित्र असे संबोधले जाते. सापांचे इतरही उपयोग आहेत. त्यापैकी महत्त्वाचे उपयोग म्हणजे सर्पविषातील काही घटकांचा वापर मानवास जीवदायी ठरणाऱ्या औषधांमध्ये केला जातो. तसेच विषारी सर्पदंशावर दिली जाणारी लस, 'ॲंटी स्नेक व्हेनम सीरम' हे सापाच्या विषापासून तयार केले जाते. बेडूक, सरडे, पाली, गांडूळ यांच्याही बेसुमार वाढीवर नियंत्रण ठेवण्याचे काम साप करीत असतात. पाणसापाची पिडासांच्या अळ्या खाऊन टाकतात. अशा या महत्त्वाच्या सापाला भारतीय वन्यजीव कायद्याखाली संरक्षणही दिले गेले आहे.

(९) सर्पदंश टाळणे यासाठी काही दक्षता घेणे गरजेचे आहे.

१) साप मारण्याचा प्रयत्न करू नये.

२) सापाच्या अधिवासाच्या जागेत वावरताना दक्षता घेणे गरजेचे आहे.

३) घरात साप येऊ नये यासाठी खालील दक्षता घेणे गरजेचे असते.

दाराच्या फटी बंद करणे, खिडक्या व्यवस्थित असणे, छप्पर, न्हाणीचे बोळ, अंगण साफ ठेवणे इ., धान्यसाठा सुरक्षित ठेवणे.

४) इंधनाचा साठा योग्य पद्धतीने करणे.

५) सहलीत काळजी घेणे.

६) अंधारात काळजी घेणे.

(१०) सर्पदंश विषारी की बिनविषारी ओळखणेसाठी १५ ते वीस मिनिटांत दंशानंतर खालील लक्षणे दिसून येतात. १) दंश झालेल्या ठिकाणच्या खुणा, २) दंशाच्या जागेतील होणारा बदल, वेदना व अन्य लक्षणे

(११) उपाययोजना पुढीलप्रमाणे- प्रथमोपचार- सापाचे विष रक्ताभिसरणाद्वारे शरीरात पसरत असल्याने हालचालींवर मर्यादा आणणे व मानसिक दडपण येऊ न देणे. २) रुग्णाला आडवे झोपवून दंश झालेला अवयव हृदयाच्या पातळीखाली ठेवणे. ३) ज्या अवयवाला दंश झाला असेल (हात किंवा पाय) त्याच्या वरील बाजूस एकेरी हाडावर आवळपट्टी योग्य प्रकारे बांधणे. ४) रुग्णास वाहनाद्वारे योग्य इस्पितळात नेणे.

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जी माणसे हवी-हवीशी वाटतात,
ती माणसे भेटतच नाहीत
जी माणसे नकोशी वाटतात,
त्यांचा सहवास संपत नाहीत
ज्यांच्याकडे जावेसे वाटते,
त्यांच्याकडे जायला जमत नाही
ज्यांच्याकडे जाऊ नये असे वाटते,
त्यांच्याकडे जावेच लागते
जेव्हा जीवन नकोसे वाटते,
तेव्हा काळ संपतच नाही
जेव्हा जीवनाचा खरा अर्थ कळतो,
तेव्हा काळ हा संपलेला असतो
नशीब हे असंच असतं,
जिकडे नेईल तिकडे जावेच लागते.

संतोष अनिल आडागळे

प्रथम वर्ष कला

धोका सायबर युद्धाचा

प्रणव घैसास, किरण चौधरी, तृतीय वर्ष, शास्त्र (अ) (संगणकशास्त्र)

२१ व्या शतकात विज्ञान-तंत्रज्ञानाच्या प्रसारामुळे सर्व समीकरणे बदलली! यामध्ये इलेक्ट्रॉनिक्स व उपग्रहीय संवादमाध्यमांचा फार मोठा वाटा आहे आणि त्यामध्येही मोबाईल व इंटरनेट यामुळे जगाच्या कानाकोपऱ्यातल्या माणसांचे जीवनचित्र पूर्णतः बदलले. याचप्रकारे आणखी एका क्षेत्रातील धोरणांचा आणि साधनांचा मोठ्या प्रमाणात कायापालट झाला. आणि ते म्हणजे युद्ध.

युद्ध म्हटले की आपल्याला आठवते ते सैन्य रणगाडे, बंदुका. पण आजच्या सैनिकाचे स्वरूपही फार बदलले आहे.

नॅनो टेक्नॉलॉजी आणि इंटरनेट यांचा आजच्या जीवनात भयानक वापर केला जातो. संगणक प्रणाली हॅक करून माहिती चोरण्याची तर इतकी विविध तंत्रे आहेत की काही सांगू नका! एक प्रभावी संवादमाध्यम म्हणून लष्करी आणि राजकीय शक्तींना बरोबर कळले आहे आणि हो त्यातूनही माहिती फुटतेच. 'विकिलीक्स' हे नाव सर्वांनी ऐकलेलेच असेल! या युद्धांमध्ये तर घरबसल्या एखादे राष्ट्रही आपण उडवू शकतो.

आपण सर्वांनी हॅकिंग हा शब्द ऐकलाच असेल. हॅकिंग म्हणजे एखाद्याच्या संगणकीय व्यवहारांमध्ये अनधिकृत रीतीने प्रवेश करून तेथील माहितीचा गैरवापर करणे. याची उदाहरणे फार आहेत. आत्ताच भारताच्या डीआरडीओ या संरक्षणविषयक संस्थेची वेबसाईट चिनी लोकांनी हॅक केली. यामुळे संगणकाच्या उपयोगासोबत हॅकिंग हा दोषही जगभर सर्वदूर पसरला आहे हे आपल्या लक्षात येईल. या हॅकिंगमुळे मुख्यत्वे तडा जातो तो विश्वासाला आणि सुरक्षिततेला.

कोण करते हे हॅकिंग? हे कोण असतात? हॅकर्स

म्हणजे तरुण व संगणकीय क्षेत्रातील अतिशय तज्ज्ञ आणि हुशार मुलेमुली असतात. आधीच्या वेळी हॅकिंग म्हणजे निव्वळ गंमत होती. पण आता फार बिकट गोष्ट झाली आहे आणि अधिक चिंतादायक बनले आहे. या हॅकर्सतर्फे विविध देशांच्या तसेच सरकारी संस्थांच्या वेबसाईट्स हॅक केल्या जातात. हे त्यांचे प्रमुख उद्दिष्ट असते. हे हॅकर्स खूप हुशार जरी असले तरी बरेचदा व्यसनी असतात हे आपल्याला मान्य करावेच लागेल. तसेच काही चांगल्या प्रकारचे हॅकर्ससुद्धा असतात. त्यांना आपण 'इथिकल हॅकर्स' असे संबोधतो. असे हॅकर्स विघातक कृत्ये करणाऱ्या हॅकर्सच्या मनोवृत्तीचा अंदाज घेतात आणि संबंधित वेबसाईट मूळ पदाला आणतात. सर्वात महत्त्वाचे उदाहरण म्हणजे विकिलीक्स. या क्षेत्रामध्ये हुशार व्यक्तींना रोजगाराची चांगली संधी आहे. पण सध्या 'इथिकल हॅकर्स'चा तुटवडा आहे. यावरून असे लक्षात येते की, चांगल्या कामाला नेहमी लोक घाबरून असतात. हॅकिंगला उपाय म्हणून नाना प्रकारच्या वेबसाईट्स विशिष्ट प्रश्न विचारतात आणि त्यावरून त्याची वेबसाईट हॅक होणार नाही याची काळजी घेतात. उदा. आत्ता सर्व सोशल नेटवर्किंग साईट्सनी हॅकिंगला उपाय म्हणून यूजरला मोबाईलवरचा कोड तपासून तो कोड वेबसाईवर टाका असे सांगतात. पण हॅकिंग १०० टो कोणीच थांबवू शकत नाहीत. पण हॅकरच्या संगणकात होणाऱ्या प्रवेशाबाबत नीच अडचणी निर्माण करू शकतात. यासाठीचे उपाय अगदी साधे आहेत. हॅकिंग रोखण्याचे उपाय:-

- आपला संगणकातील ऑपरेटिंग सिस्टिम अद्ययावत ठेवा आणि वेळोवेळी अपडेट्स घेत जा. याने संगणक सक्षम आणि सुरक्षित राहील.

- संगणकातील फायरवॉल चालू करा. या संरक्षणामुळे बाह्य धोक्यांना संगणकात प्रवेश मिळणार नाही.

- सर्वात महत्वाचे म्हणजे आपले संगणकीय, इंटरनेट तसेच ई-शॉपिंग इ. संबंधीचे पासवर्ड सतत बदलत राहा. ॲंटीव्हायरस या प्रकारचे सॉफ्टवेअर्स विकत घेऊन आपल्या संगणकात प्रस्थापित करा.

- संशयास्पद ई-मेलस ताबडतोब करा. हे ई-मेलस ॲंटीव्हायरस असल्याने सुद्धा आपोआप तूटू केले जातात. हे लक्षात ठेवा की आपण हॅकिंगचा प्रतिकार करू शकतो तेही अत्यंत कमी खर्चात.

संदर्भ - दै. पुढारी

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कविता कवितेवरची

एकदा मी कवितेवर कविता केली
तेव्हा कविता मला म्हणाली
तू तर माझ्यावरही मजल मारली
म्हणजे आता...
तू श्रेष्ठ आणि मी कनिष्ठ
मी म्हणालो तसे नव्हे
मी कवी तू माझी कविता
मी सागर तू माझी सरिता
मजविना तू आणि तूजविना मी अधुरा
मग ना मी श्रेष्ठ ना तू कनिष्ठ
कविता म्हणाली खरे आहे...
माझ्यासाठी तू भावनांशी खेळतोस
सुखदुःखाच्या भावना समानतेने पेलतोस
आणि
तुझ्या आयुष्यातील काही क्षण माझ्यासाठी
मोजतोस
मग मीही बोललो
विचार माझे तू व्यक्त करतेस
भावना माझ्या उजेडात आणतेस
आणि
माझ्या वतीने तू बोलतेस
तुझे नी माझे हे कसे प्रेमळ नाते
अशी कल्पना कधी मनात येऊन जाते
कविता म्हणाली- हे प्रेमळ नाते कसे जडले
असावे

नक्कीच काहीतरी
नकळत घडले असावे
मी म्हणालो तसे नव्हे
नकळत काहीच घडत नसतं
खरं ते वास्तवातच लपलेलं असतं
मी आहे कवी भावनांना जाणतो
खेळूनी मग त्यांच्याशी
तुला अस्तित्वात आणतो
कविता म्हणाली खरे आहे तुझे
पण विसरू नको तू एक गूढ माझे
मी ही माझे कर्तव्य जाणते
मग तू अस्तित्वात नसला तरी
तुझ्या नावाला मी अमरच ठेवते
आता मी बोललो
कवी-कवितेची ही न्यारी दुनिया
तिला सोनेरी आकाश देऊ
सुख दुःखाचे गीत संगतीने गाऊ
गीता गाता गाता कविता दिसेनाशी झाली
सोनेरी किरणे अचानक डोळ्यांवर आली
म्हणजे... कविता स्वप्नात बोलून गेली
मग
स्वप्नांना स्वप्नच म्हणायचं का...?
दिपक पी. बोदडे, द्वितीय वर्ष वाणिज्य

संकल्पाची ऐशी की तैशी

सौ. मंजूषा श्याम देशपांडे, द्वितीय वर्ष, एम. ए. (मानसशास्त्र)

जानेवारी महिना म्हणजे नवीन वर्षाची सुरुवात आणि संकल्पांची रेलचेल. मी देखील त्यात मागे नसते. दरवर्षी जानेवारी महिना उजाडण्यापूर्वी विविध संकल्प करणे आणि ते सोडून देणे हा मी पाडलेला पायंडाच आहे.

'Well began is half done' प्रमाणे माझ्या कोणत्याही संकल्पाची सुरुवात चांगली होऊन ते अर्धे अधिक पूर्ण झाल्यासारखे असतात. परंतु दुर्दैवाने ते पूर्ण होत नाहीत. अर्थात त्यासाठी माझ्याकडे भरभक्कम कारणे ही असतात. जानेवारीतील संकल्प फार तर फेब्रुवारीपर्यंत टिकतात. पण तरीही प्रत्येक नवीन वर्षांभी नवनवीन संकल्प करण्याचा माझा उत्साह तसूभरही कमी झालेला नाही.

प्रत्येक नवीन वर्षासाठीचा माझा पहिला संकल्प असतो तो वजन कमी करण्याचा. सुरुवात एकदम जोरदार असते. साखर बंद... भात बंद... एकवेळचे जेवण बंद इ. अनेक. तसेच रोज जिना चढ-उतार करणे, फिरायला जाणे असे सर्वकाही जुळून येत असते. पण हे सर्व किती दिवस?... फार फार तर आठ दिवसांपर्यंत. नवव्या दिवशी कुठूनतरी कानावर येतं की, भात पूर्णपणे बंद करणे चुकीचे आहे. भात तर पचायला हलका असतो आणि त्याने अजिबात वजन वाढत नसते. दक्षिण भारतीय किंवा कोकणातील लोकं भातावरच जगतात. मग कुठे जाड असतात ते? झालं, मग काय भाताचे सकारात्मक पारडे जड होऊन लगेच मस्तपैकी लसणीची फोडणी घालून तांदळाची खिचडी शिजवली जाते. नंतर कोणीतरी घरचा वैद्य सा देतो की, साखर कमी केल्याने शरीरातील ग्लुकोजची मात्रा कमी होऊन लो बी.पी.चा त्रास होऊ शकतो. अशा वेळी लगेचच शरीरातील ग्लुकोज कमी झाल्याचे जाणवते आणि गोडावर मस्त ताव मारला जातो. नंतर जिना सारखा

चढउतार केल्याने गुडघेदुखी होते आणि चालण्याने वजन कधीच कमी होत नाही असा जावईशोध लागतो आणि व्यायामाला पूर्णविराम दिला जातो. अशा सर्व प्रकारांमुळे माझ्या वजनाने अद्यापही माझी पाठ, कंबर, पोट काहीही सोडलेले नाही. 'वाढता वाढता वाढे' म्हणत शून्याचा आकार वाढतच चालला आहे.

वजन कमी करण्याच्या माझ्या ह्या सर्व प्रयत्नांतून माझे वजन जरी कमी झाले नसले तरी वजन कसे कमी करावे? समतोल आहार कसा असावा? ह्या विषयीचे ज्ञान एवढे वाढले आहे की त्यावर एक प्रबंध लिहून मी नीच पीएच.डी. मिळवू शकेन. पण भीती एकच वाटते की, डॉक्टरांची पदवी घेताना माझ्या वाढलेल्या वजनामुळे चार लोकांनी धरून मला व्यासपीठावर नेण्याची वेळ यायला नको.

ह्यानंतर दरवर्षीचा दुसरा महत्वाचा पण अद्यापही यशस्वी न होऊ शकलेला माझा संकल्प म्हणजे इंग्रजी बोलणे शिकण्याचा. त्यासाठी फाडफाड, पटकन, हमखास इ. इंग्रजी बोलणे शिकण्याची सर्व प्रकारची पुस्तके घरी येऊन पडली आहेत. काचेच्या शोकेसमधून रोज त्यांचे दर्शन होत असते. ही सर्व पुस्तके जणूकाही मला वाकुल्या दाखवून चिडवत आहेत, असा भास मला नेहमी होत असतो. अर्थात प्रत्येक जानेवारी महिन्यात त्यांच्यावरची धूळ झटकली जाते, हेही नसे थोडके!

याव्यतिरिक्त दरमहा नियमित लेखन करणे, दूरदर्शनच्या मालिका न बघणे, भरपूर वाचन करणे, कॉम्प्युटर व इंटरनेटविषयी अद्ययावत ज्ञान घेत राहाणे, गाणे शिकणे असे वैविध्यपूर्ण संकल्प अधूनमधून डोकं वर काढत असतात, पण केव्हा मान टाकतात हे माझे मलादेखील समजत नाही.

अशा विविध विषयांबरोबरच गेल्यावर्षी एक नवीन

आगळावेगळा संकल्प मी हाती घेतला होता. हा संकल्प मात्र मलाही धादायकच होता. अजूनही त्याचे नाव काढले तरी हृदयाचे ठोके वाढतात. हा संकल्प म्हणजे कार चालवायला शिकण्याचा. टु व्हिलरची भीड न चेपलेली मी, डायरेक्ट फोर व्हिलर शिकायला निघाले. अर्थात् त्याला कारणही तुम्हालाही पटेल असेच होते. आमची कार असूनही मला त्याचा उपयोगच नसतो. नवऱ्याला कार काढायला लावून शॉपिंगला जाऊ म्हटले तर पार्किंगला जागा मिळत नाही, तिकडे वन वेच आहे, बोळीबोळीतून कार नेणे म्हणजे काय गंमत वाटते का? आणि कुठल्याही दुकानासमोर कार थांबवायला ती काय स्कुटी वाटली का?.. अशी सतराशे साठ कारणे. शिवाय स्वतः कार चालवा म्हणजे कळेल असा टोमणाही मिळायचा.

मग कसा कोण जाणे पण नेहमी मिळणारा टोमणा ह्यावेळी मनाला लागला आणि स्वाभिमान जागृत होऊन कार 'चालवण्याचा संकल्प करून बसले. मनाशी पी खूणगाठ बांधली की अगदी बोळीबोळीतून कार नेऊन प्रत्येक दुकानासमोर थांबवून दाखवायचीच. जानेवारीचा पहिला दिवस ड्रायव्हिंग स्कूलमध्येच उजाडला. 'माझे कार शिकणे' म्हणजे माझी उडवायला सर्वांना मिळालेला एक आयता विषय होता. पण संकल्पाची मशाल नुकतीच पेटली असल्याने सहजासहजी विझणे शक्यच नव्हते.

मात्र जसजशी ड्रायव्हिंग क्लासला नियमित जाऊ लागले तशी मशालीची ज्योत मंद होऊ लागली. माझ्या संकल्पावर पाणी सोडण्याची वेळ आली. साधे स्टेअरिंग पकडणे जमले नाहीच, पण शिकवणारा ड्रायव्हर तरी नीट मिळावा ना? पण नाहीच. सारखी बडबड बडबड करून मला पुरते नाउमेद केले त्याने. तो फक्त 'मॅडम' हा शब्द आदरयुक्त वापरून, नवरा करणार नाही एवढी बडबड करायचा. आता मला ऑक्सिलेटर, ब्रेक, क्लच ह्यांची ठिकाणे समजली होती ना? मग नाही स्टेअरिंगचा अंदाज तर कुठे बिघडले? मला जे समजले त्याचे

कौतुक करायचे सोडून तो ड्रायव्हर स्टेअरिंगमध्येच अडकला. सारखी मेला वळणवळणांवर गाडी न्यायचा. आता मी पडले सरळमार्गी. त्यामुळे ते स्टेअरिंगही काही वाकडे वळण घ्यायचे नाही. मग तो जोरात ओरडायचा, "मॅडम, स्टेअरिंग फिरवा, लक्ष द्या." तो जेवढा जोरात ओरडायचा तेवढ्या जोरात माझे स्टेअरिंग फिरायचे, यात माझा काय दोष? पण लगेचच त्याचे खेकसणे, "मॅडम, रिटर्न करा रिटर्न! डिव्हाइडरवर जायचे आहे का?" असे करण्यात थोडेफार जास्त रिटर्न झाले की, "मॅडम, किती रिटर्न? चाकांकडे बघा की जरा! गाडी ठोकायचीच ठरवले आहे का? अंदाज घ्या ना!"

आता तुम्हीच सांगा, मला जर अंदाज घेता आला असता तर ह्याच्याकडे कशाला आले असते गाडी शिकायला?

अशा प्रकारे रडत खडत ट्रेनिंगचा एकेक दिवस पार पडत होता. एकदा ड्रायव्हर मला म्हणाला, "मॅडम, तीन आठवडे झाले आहेत गाडी शिकण्याला. पण पन्नास टोच जमते आहे. स्पीड वाढवा जरा."

त्यावर मी देखील त्याला अर्धा पाण्याने भरलेला ग्लास हा, अर्धा रिकामा बघणार की अर्धा भरलेला बघणार यावर प्रत्येकाचे नकारार्थी व होकारार्थी विचार अवलंबून असतात याविषयी समजवण्याचा प्रयत्न केला. त्याला ते किती समजले माहीत नाही, पण येणाऱ्याला आठ दिवसांत गाडी येते, नाहीतर सहा-सहा महिने शिकूनदेखील येत नाही असे मलाच ऐकविले.

एकदा तर भर चौकात तो ड्रायव्हर मला ट्रेनिंगसाठी घेऊन गेला. मी आपली आरामात कार चालवत असताना, अचानक समोरून बस आली. मी घाबरून ब्रेक तर मारला, पण डोळे घट्ट मिटले आणि स्टेअरिंग अगदी पो पकडून ठेवले. आता मात्र ड्रायव्हरच्या अंगात संचारले आणि जोरात ओरडला, "मॅडम! छान! बसच्या पुढेच जाऊन थांबल्या. बसवाल्याने काय करावे? मागच्या गाड्या कोणी बघायच्या? स्टेअरिंग

तर असे पकडून ठेवले की मलाही हलवू देत नाही. एवढी भीती वाटते तर का शिकता गाडी? जजमेंट कधी येणार?” आता मात्र माझंही डोकं फिरलं. एकतर चौकात चारही बाजूंनी गाड्या थांबलेल्या. त्यांचे कर्कश हॉर्न वाजवणे चालू आणि इकडे याची बकबक चालू. खरेतर माझा नवरा मला गाडी शिकवणार होता. पण ओरडणे नको म्हणून ऐटीत फी भरून क्लास लावला. पण फीच्या बदल्यात फक्त ‘मॅडम’ हा शब्द वापरून नवरा ओरडणार नाही एवढे त्या ड्रायव्हरने ओरडून घेतले. ‘विकतचे ओरडणे घेतले’ असेच म्हणावे लागेल.

मी रागारागातच खाली उतरले आणि गाडी त्या ड्रायव्हरच्या ताब्यात दिली. चिडून त्याला म्हटले, “हे बघ तू तुझे शिकवण्याचे काम कर. तो बस ड्रायव्हर आहे ना जजमेंट घ्यायला? की तो देखील तुझ्याकडे येतोय बस शिकायला? आणि आपल्या गाडीवर ‘सावधान! चालक गाडी शिकत आहे’ हे कशासाठी लिहिलेय? हा एवढा मोठा ‘एल’ काय ‘शो’साठी आहे? बघतील ना इतर लोक.”

माझा कधी नाही तो एवढा पारा चढलेला पाहून ड्रायव्हरचा स्वर थोडा खाली आला आणि मला म्हणाला, “तसं नाही मॅडम! तुम्ही कार अशी भर चौकात उभी केल्याने मलाही घाम फुटला ना! शेवटी मी देखील माणूसच आहे हो! तुम्ही तुमची गाडी कशी चालवणार? अवघड आहे हो!”

नंतर त्याने स्वतः चौकातून गाडी बाहेर काढली. त्याला प्रथमच मी टेन्शनमध्ये आलेले पाहिले.

अशा अनेक प्रसंगांतून माझे खच्चीकरण होऊन कार चालवण्याची बांधलेली माझी खूणगाठ सुटली गेली. पण कसेबसे टु व्हिलरचे आणि फोर व्हिलरचे लायसेन्स मात्र पदरात पडले. अजूनही मला स्वप्नात कधी कधी त्या ड्रायव्हरची ‘मॅडम’ अशी आरोळी कानावर येऊन मी दचकून उठत असते. आता कार जरी चालवता आली नाही, तरी निराश न होता ती न येण्याची कारणे

काय असावीत? ह्याचा मी शोध घेऊ लागले. कारण कोणतीही घटना चांगली-वाईट नसते, तर त्यावर आपण कसा विचार करतो, त्याप्रमाणे परिणाम होतो. मी माझ्या सकारात्मक विचारांवर ठाम असल्याने मला वाटणाऱ्या भीतीचे मला कारण मिळाले आणि ते म्हणजे ‘मेनोपॉज’. कारण आता चाळिशी पार केली आहे. त्यामुळे आत्मविश्वास कमी होणे, भीती वाटणे, धडधड होणे ह्या गोष्टी होणारच. त्यामुळेच मला कार चालवता आली नाही. पण त्या ड्रायव्हरला कोण समजवणार? जाऊ देत, असे म्हणत कार न येण्याला सबळ कारण मिळाल्याने हा संकल्पदेखील धुळीला मिळाला.

पण माझ्या कार चालवण्याच्या संकल्पातून पुढील वर्षी संकल्प करण्यासाठी एक नवीन विषय मिळाला, तो म्हणजे सर्व कार शिकविणाऱ्या विशेषतः स्त्रियांना कार शिकविणाऱ्या सर्व ड्रायव्हर्सचे एक बौद्धिक सेशन घेऊन त्यांना ‘स्त्रियांची मानसिकता’ याविषयीचे धडे देणे. त्यामुळे मला झालेला त्रास इतरांना तरी होणार नाही.

अशा सर्व संकल्पांच्या भाऊगर्दीतील माझा एक शेवटचा संकल्प सांगते, तो म्हणजे रोज रोजनिशी म्हणजेच डायरी लिहिण्याचा. प्रत्येक वर्षी रोजनिशीचा जानेवारी महिना पूर्ण लिहिलेला असतो. काही रोजनिशी फेब्रुवारीपर्यंत तर काही फार झाले तर मार्चपर्यंत मजल मारतात. पण तरीही त्या रोजनिशी मी अजिबात वाया घालवत नाही याचे मला खूप समाधान वाटते. कारण त्यांचा उपयोग मी पाककृती लिहिणे, हिशोब लिहिणे, गाणी लिहिणे अशा विविध कारणांसाठी करत असते.

अशा रीतीने माझे सर्व संकल्प अपयशाचे जिने चढून यशाच्या पायरीकडे डोळे लावून बसले आहेत. माझ्या अनेक संकल्पांची ‘ऐशी की तैशी’ होऊन मी देखील ‘जैशी की तैशी’ राहिले आहे.

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अनुभवकथन - 'मानव्य' भेट

आशुतोष आळेकर, तृतीय वर्ष विज्ञान (प्राणिशास्त्र)

सकाळी सातची वेळ. नुकताच पूर्वेकडून सूर्य वर येत होता. गुलाबी थंडीमध्ये कोवळ्या किरणांचा स्पर्श आल्हाददायक वाटत होता. नेहमीच्या कट्ट्यावर माझेच काही मित्र जय्यत तयारी करून गाड्या घेऊन माझीच वाट पाहात होते. प्रत्येकाच्या चेहऱ्यावर उत्सुकता आणि उत्साह ओसंडून वाहत होता. एका वेगळ्याच कारणासाठी!

मी येताच सर्वांची मतमोजणी झाली, नियोजन झाले आणि आमच्या गाड्या पुण्याच्या दिशेने निघाल्या. नेहमीच्या त्या कट्ट्याला मागे टाकत! पाच गाड्यांवर नऊजण, अशी आमुची युवा सेना पुण्याच्या दिशेने कूच करू लागली. रस्ता नवा होता पण सोबतीला 'उददुत रज्ज' नावाचा वाटाड्या असल्यामुळे सर्वजण निश्चित होतो. सकाळच्या सुखद गारव्यात सुमारे अर्धातास गाडी चालवल्यावर शेवटी भूगावला जाणारा फाटा आला. पुढे भूगाव आले आणि मुख्य रस्ता सोडून आम्ही एका ओबडधोबड, कच्च्या रस्त्याला लागलो. कसरत करत, लोकांना विचारत-विचारत शेवटी एका प्रशस्त अंगणात असलेल्या इमारतीच्या प्रवेशद्वाराशी येऊन उभे ठाकलो. इमारतीच्या प्रवेशद्वारावरच काही छोटी मुले कुतुहलाने आणि आनंदाने आमच्याकडे पाहत उभी होती. फाटक उघडले गेले, आम्ही आत येताच क्षणार्धात आमचा बाहेरच्या जगाशी असलेला संपर्क तुटला. एका नव्या जगात आमचा प्रवेश झाला होता.

पुण्याजवळच भूगाव येथे अवघ्या पाच-सहा किलोमीटर अंतरावर वसलेली 'मानव्य' ही संस्था! 'एच.आय.व्ही.'ची बाधा झालेल्या मुलांसाठी गेली २० वर्षे ही संस्था कार्यरत आहे. 'विजयाताई लवाटे' यांनी ही संस्था सुरू केली. आर्थिक चणचण, या रोगाविषयीचे अज्ञान आणि अनेक गैरसमज यामुळे होणारा सामाजिक विरोध, अपुरा पाठिंबा अशा अनंत

अडचणींना खंबीरपणे तोंड देत त्यांनी ही संस्था उभी केली. वेश्या व्यवसाय करणाऱ्या स्त्रियांच्या प्रश्नांना वाचा फोडत त्यांनी आपल्या समाजकार्यास सुरुवात केली. त्यानंतर 'मानव्य'ची स्थापना केली. वेश्यांच्या या प्रेमळ 'माईचे' वीस वर्षांचे अथक परिश्रम आणि अमेरिकेतील एका संस्थेची आर्थिक मदत यातून साकारलेली ही इमारत आमच्यापुढे उभी होती.

'गोकुळ' हे इमारतीचे नाव सार्थ ठरवत वेगवेगळ्या वयोगटांतील गोप-गोपी या प्रांगणात बागडत होते. इमारतीत प्रवेश केल्यावर डाव्या बाजूला भारतीय संविधान आणि उजव्या बाजूला कृष्णाची एक चित्ताकर्षक मूर्ती लक्ष वेधत होती. मूर्तीच्या चेहऱ्यावरचे स्मितहास्य बघण्यात गुंतले असतानाच तेथील एक व्यवस्थापक श्री. शेख सर आले. अत्यंत आपुलकीने आमची चौकशी करत त्यांनी संस्थेची ओळख करून देण्यास सुरुवात केली. संस्थेचा एक माहितीपट दाखविल्यानंतर संस्थेचे आवार बघण्यासाठी आम्ही त्यांच्यासोबत निघालो.

"माईनी खऱ्या अर्थाने शून्यातून सुरुवात केली", शेख सर सांगू लागले. "या रोगाविषयी असलेले अल्पज्ञान आणि अनेक गैरसमज यामुळे माईना समाजातून प्रचंड विरोध झाला. संस्थेला अनेकदा स्थलांतरही करावे लागले. पण माई अजिबात डगमगल्या नाहीत. अत्यंत निर्धाराने त्यांनी सर्व संकटांचा सामना केला. आता संस्थेची स्वतःची जागा आहे. पण अजूनही ग्रामस्थांचा विरोध आहेच. काहीवेळा तर लोकांनी दगडही भिरकावले. पण नंतर विरोध कमी झाला." अत्यंत शांतपणे आणि आपलेपणाच्या भावनेने ते सांगत होते. वाक्यावाक्यातून संस्थेविषयीचे आणि मुलांविषयीचे प्रेम प्रकट होत होते.

"ही मुले जरी सर्वसामान्यांसारखी नसली तरी यांना

समाजात मिसळण्याचा पूर्ण अधिकार आहे. 'एच.आय.व्ही.' विषाणूमुळे बौद्धिक पातळीवर ही मुले सामान्यतः मागे असतात. मात्र यांच्याकडेही कलागुण, जिद्द, क्षमता असते. या मुलांचा प्रत्येक श्वास म्हणजे जीवनमृत्यूचा खडा संघर्ष असतो. दुदैवाने कोण किती जगेल हे सांगणे कठीण असते."

"या संस्थेमार्फत या मुलांसाठी राहाण्याची तर उत्तम सोय होतेच, याशिवाय यांना नित्यनियमाने ठरलेला पौष्टिक आहार, औषधोपचार दिले जातात. ताप, खोकला जरी आला तरी यांना वेगळ्या खोलीत ठेवून त्याची शुश्रूषा केली जाते. सातवीपर्यंतचे वर्ग इथेच भरवले जातात. सरकारच्या सर्वशिक्षण अभियानांतर्गत सरकारी शिक्षक येऊन मुलांना शिकवतात. मात्र या मुलांना आठवीपासून पुढे शिक्षण देण्यासाठी कोणतीही शाळा साहाय्य करत नाही. आजही या मुलांना शाळेत प्रवेश दिला जात नाही. मात्र शहरात परिस्थिती बदलली असल्यामुळे पुढील शिक्षणासाठी आम्ही त्याला शहरात पाठवतो."

"पुस्तकी शिक्षणासोबतच या मुलांना व्यवसायाभिमुख शिक्षणही देण्याचा आमचा प्रयत्न असतो. शिवणकाम, फाईल्स बनवणे, संगणक प्रशिक्षण आदी गोष्टीही आम्ही त्यांना शिकवतो. काही मुले आता स्वतःच्या पायावर उभी राहिली आहेत. मुलांसाठी संस्कारवर्ग, वाचनालय याचीही सोय केली आहे. मुलांच्या प्रकृतीचे आणि रोगाचे गांभीर्य लक्षात घेऊन एक छोटेखानी रुग्णालयही आम्ही इथे उभे केले आहे. संस्थेची एक रुग्णवाहिका आहे. याचा उपयोग आम्ही फिरते रुग्णालय म्हणून करतो. 'उमेद' या नावाने आम्ही हा उपक्रम राबवतो. आसपासच्या सहा गावांमध्ये ही रुग्णवाहिका फिरते. याशिवाय रुग्णालयामध्ये आठवड्यातील प्रत्येक वारी एक-एक तज्ज्ञ डॉक्टर येतात. केवळ इथल्याच नव्हे तर आसपासच्या गावातील मुलांनाही मोफत सेवा पुरवली जाते. तसेच समाजप्रबोधनासाठी आमचे कार्यकर्ते गावागावांत

जाऊन वेगवेगळे उपक्रम राबवितात."

"इथल्या प्रत्येक मुलाच्या देखभालीचा, उपचाराचा दरमहा खर्च काही हजारांत जातो. सरकारकडून अनुदान मिळते, पण ते तुटपुंजे असते. त्यामुळे आर्थिक मदतीची सतत गरज असतेच. इथल्या मुलांचे भावनिक प्रश्नही हाताळावे लागतात. विशेषतः पौगंडावस्थेतील मुलांना भावनिक आणि शारीरिक पातळीवर जपणे आवश्यक असते. स्किझोफ्रेनियासारखे मानसिक आजार जडलेली मुलेही या संस्थेत आहेत, अशा मुलांना सांभाळणे खरोखरच कठीण जाते." बोलता बोलता संपूर्ण परिसर फिरून झाला. त्यांच्या बोलण्यात कुठेही असहाय्यता नव्हती. अगतिकता नव्हती. पण तरीही शब्द न शब्द मनाचा ठाव घेत होते. विचार करण्यास प्रवृत्त करत होते.

आता आम्ही पटांगणात आलो. कोवळे, निरागस चेहरे आमच्यासमोर बसले होते. प्रेम, माया, आपुलकीसाठी आसुसलेले ते टपोरे डोळे आमच्याकडे आशेने पाहात होते. आम्ही आमची ओळख सांगितली. खरं तर ओळख सांगण्यासारखं आमच्याकडे काहीही नव्हतं. पण तरीही प्रत्येक नवल टाळ्यांचा कडकडाट होत होता. अखेर त्या मुलांमध्ये मिसळण्यासाठी मी माझ्या ठेवणीतले हत्यार काढले. खेळ! खेळाविषयी बोलायला लागताच मुलं खुलली. प्रतिक्रिया देऊ लागली. आम्ही आणलेले खेळाचे साहित्य त्यांच्यात वाटले. प्रत्येकाच्या चेहऱ्यावर जणू ईश्वरप्राप्तीचा आनंद होता. औपचारिकता आणि अनोळखीपणा मागे सरत त्यांनी आम्हालाही खेळात सामील करून घेतले. आमच्यातील प्रत्येकजण वेगवेगळ्या गटांत वेगवेगळ्या खेळत रमला.

खेळ हे माझ्यामते मुलांसाठीचे एक वरदानच आहे. कारण काही काळापुरते तरी आपली शारीरिक, मानसिक दुखणी विसरायला लावणारी ही एक संजीवनी आहे. क्षणभरात सर्व भेद विसरून एकरूप होऊन सर्वजण खेळू लागलो. शारीरिक क्षमतांमुळे या मुलांना

खेळताना मर्यादा येत असेल असा आमचा समज होता. मात्र हा समजच या लहानग्यांनी सुखकारकरीत्या चुकीचा ठरवला. गणेश नामक एका चिमुरड्याने पहिल्याच संधीत कॅरमचा आख्खा डाव संपवला. पलीकडे मी आणि सुमारे इयत्ता सातवीमध्ये असलेला रमेश बुद्धिबळाचा पट मांडून बसलो होतो. अत्यंत विचारपूर्वक चाली खेळणाऱ्या त्या बारा वर्षांच्या पोराने क्षणार्धात मनाचा ताबा घेतला. एकदा मन जिंकल्यावर डाव्याच्या हारजितीला मूल्य राहात नाही! त्यानंतर मी माझा मोर्चा फुटबॉलकडे वळवला. माझ्यासमोर होता तो साधारण सोळा-सतरा वर्षांचा किरण. आमच्या सर्व अपेक्षांना तडा देत त्याने एकट्याने आम्हां तीन-चार जणांची चांगलीच दमछाक केली. मात्र थकव्याचा लवलेशही त्याच्या चेहऱ्यावर नव्हता. बाजूलाच कमरेभर उंचीचा इयत्ता पाचवीतील संग्राम क्रिकेट खेळण्यात मग्न होता. 'स्वीप', 'कव्हर ड्राईव्ह', 'स्किअर कट', 'हूक' असे क्रिकेटच्या पुस्तकातले अनेक फटके त्याने अत्यंत लीलया मारत त्याने आमच्या गोलंदाजीचा खरपूर समाचार घेतला. त्याचे ते सुंदर फटके पाहून डोळ्यांचे पारणे फिटले आणि हातातल्या कॅमेऱ्याने नकळत व्हिडीओ रेकॉर्डिंग चालू केले.

पलीकडेच एक कलादालन होते. तिथे त्या मुलांनी स्वतःच्या हाताने बनविलेल्या वेगवेगळ्या वस्तू, भेटकार्डे, पणत्या इत्यादी वस्तू ठेवलेल्या होत्या. त्या मुलांच्या हाताची कलाकुसर पाहून अक्षरशः था झालो. या मुलांची हस्तकला खरोखरच अप्रतिम होती. या वस्तू तिथे विक्रीसाठीही ठेवण्यात आल्या होत्या. आम्ही थोडीशी खरेदी केली अन बाहेर आलो.

या मुलांसोबतचा प्रत्येक क्षण विचार करायला भाग पडत होता. त्यांचे दुःख बघताना आपण किती सुखी आहोत याची जाणीव होत होती. समाजाने जवळपास वाळीत टाकलेली, दैवाने घात केलेली. नातेवाईकांनी त्यागलेली ही मुले होती. मागच्या जन्मीचे कुठले प्रारब्ध घेऊन ही जन्माला आली होती. जन्मतःच अजाणतेपणीच एखाद्या रोगाला बळी पडणे यात या

निष्पाप जीवांचा काय दोष? यांना दूर लाटण्याचा अधिकार समाजाला कुणी दिला? पैसा, प्रतिष्ठा, भवितव्य या संकुचित विचारांमध्ये आपण का अडकून पडलो आहोत? श्वासागणिक मृत्यूशी झुंज देणाऱ्या या जीवांपुढे आपण आहोत तरी कोण? कोणी नाही. आपण फार खुजे आहोत. या मुलांच्या आयुष्याची आपल्या आयुष्याशी तुलना करवतच नाही. अन् केल्यास, स्वतःच्या सुखवस्तू आयुष्याची किळसच येते. या मुलांची अपेक्षा तरी काय असते? केवळ कुणीतरी माया लावावी. थोडासा वेळ द्यावा एवढीच माफक अपेक्षा असते. आपण आपल्या भौतिक आयुष्यात गुंतून जर एवढेही करू शकत नसू, तर आपण एका प्रचंड मोठ्या ऐहिक सुखाला मुक्त असतो. या मुलांच्या सुखासाठी नव्हे तर किमान स्वतःचे ऐहिक सुख लक्षात घेऊन तरी थोडेसे प्रेम, थोडासा वेळ या मुलांना द्यावा असे मला कळकळीने वाटते.

शेवटी निघायची वेळ झाली. सगळ्यांचा प्रेमभराने निरोप घेऊन आम्ही आमच्या गाड्यांकडे वळलो. राहून राहून ते 'गोकुळ' हे नाव लक्ष वेधत होते. गोकुळच होते ते! प्रारब्धाने होरपळलेले आयुष्य जगणाऱ्या गोपगोपींच्या आयुष्यात आपल्या क्रीडांनी, मुरलीने प्रेमाची अलवार फुंकर घालण्याचे कार्य कृष्णाने गोकुळात केले. या गोकुळात तरी वेगळे काय होते? या छोट्या गोपगोपींच्या शापित आयुष्यात मायेचा सडा शिंपण्याचे काम या संस्थेने स्वयंसेवकांनी व येथील लोकांनी केले होते. चेहरे बदलले असतील पण तत्त्व तेच होते. कृष्णतत्त्व! कृष्णाने शिकवलेला प्रेमयोग!

जाताना हात मागे ओढला गेला. छोटा क्रिकेटवीर संग्राम होता तो. 'दादा पुन्हा येणार ना खेळायला?' त्याच्या हसतमुखातून आलेल्या प्रश्नाने हृदयभेद केला. काळीज हेलावले. त्या निरागस डोळ्यांमध्ये फक्त प्रेमाची अपेक्षा होती. काही नाते, कसलीही ओळख नसताना आमचे बंधन जुळले होते. एका अव्यक्त भावनेने हेलकावे खाऊ लागले!

★ ★ ★

आठवणींचा सुगंध

श्रीधर कुलकर्णी, तृतीय वर्ष, वाणिज्य, डी

हाय फ्रेंड्स, कसे आहात? बोलायला सुरुवात कशी करायची असा प्रश्न पडला म्हणून अशी सुरुवात केली. कारण आजच्या विषयात आपण रंगून गेलो ना की मग मन जाणिवेच्या आधाराने बोलायला लागतं. मी हे जे काही बोलतोय ते तुम्हाला झेपायला कठीण जातंय, हे कळतंय मला. पण अशाच सुचलेल्या अनेक वाक्यांपैकी ही वरची वाक्यं बोलायची आज संधी मिळाली. म्हटलं, बोलून टाकूया.

दिवाळी सुट्टी नुकतीच संपली असेल. कॉलेज आणि ऑफिसची धावपळ नव्याने सुरू झाली असेल. बऱ्याच दिवसांनी मित्र-मैत्रिणी भेटल्यामुळे सगळीकडे उत्साहाचे वातावरण असेल. आज तुमच्याबरोबर दिवाळीच्या सुटीबद्दल बोलताना, मला या सुटीचा पहिला दिवस आठवतोय. कपाटातला सगळा पसारा जमिनीवर काढून पुस्तकाचं कपाट आवरणं चाललं होतं. आवरता आवरता अशाच एका वहीवर नजर पडली आणि त्या कव्हरवरच्या माधुरी दीक्षितनी माझ्याकडे बघून स्मित केलं आणि एकेक पान उलटायला लागलो. त्या वहीतल्या प्रत्येक पानामुळे माझी सगळी सुटी आनंदात गेली. असं काय होतं त्या वहीत?

आपल्याकडे 'रफ नोटबुक' नावाचा एक प्रकार असतो. तर ही वही म्हणजे माझी आठवीतली 'रफ नोटबुक' होती. या वहीचं एक एक पान उलटत गेलो आणि भूतकाळातल्या अनेक आठवणी जाग्या झाल्या आपण आता मोठे झालो याची जाणीव मनाला झाली. 'मन जाणिवेच्या आधाराने बोलू लागतं' हे वाक्य मला याच जाणिवेवरून सुचलं. पहिलं पान उलटलं आणि अत्यंत सुवाच्य आणि मोठ्या अक्षरात टाकलेलं नाव पाहून माझं मलाच हसू आलं. आपणही इतकं सुंदर

अक्षर कधीकाळी काढायचो हे तेव्हाच कळलं. इतक्या वळणदार अक्षरात नाव टाकलेली वही ही 'रफबुक' असू शकते. हे अजूनही पटत नाही. कारण इतकं सुंदर आणि मुख्यतः मराठीतलं हस्ताक्षर आजकाल फार चित पहायला मिळतं. नावात काय असतं माहीत नाही, पण नाव ज्या अक्षरात लिहिलंय त्या अक्षरात वय दडलेलं असतं हे तेव्हाच कळलं. (बाकी, स्त्रियांचं वय ओळखण्यासाठी हा फॉर्म्युला ट्राय करायला हरकत नाही) असो.

वहीच्या पुढच्या पानावर शाळेचं वेळापत्रक लिहिलं होतं आणि गंमत म्हणजे त्यातल्या खेळाच्या तासाचं नाव आम्ही लाल अक्षरात आणि काळ्या पेनानी अंडरलाईन केल्याचं दिसलं. आठवड्यात इतर विषयांचे माहीत नाही, पण खेळाचे तास किती हे पां ठाऊक असायचं. हे सगळं आठवताना कुठंतरी वास्तवतेचा ठळकपणा जाणवतोय. ह्याच्याआधी कबड्डी कधी खेळलो होतो हे आठवावं लागतंय. कारण आज वेळ इतका भराभर धावतोय की त्याबरोबर धावताना आयुष्याच्या वेळापत्रकाच्या पत्रावळ्या होताना आम्ही बघतोय. शाळेत असताना कंटाळा आला की खेळणारे आम्ही स्वतःच कुठलंतरी खेळणं होऊन बसलोय. जगाच्या स्पर्धेत धावता धावता असे क्षण आठवले की आजही मनात उत्साह संचारतो आणि धावायला अजून जोम येतो. वाईट इतकंच वाटतं की, आज धावताना आम्ही 'खेळ' म्हणून नाही तर 'खेळणं' म्हणून धावतोय.

हा विचार करता करता पान कधी उलटलं कळलंच नाही. पुढच्या पानावर मराठीतले शब्दार्थ लिहिले होते. जे आजही समजलेले नाहीत. बराच वेळ डोकं खाजवलं तेव्हा कळलं, की ते कदाचित पद्य विभागातल्या

‘संतवाणी’तले शब्द असावेत. कारण इतके अवघड शब्द फक्त ‘संतवाणी’तलेच असू शकतात यावर माझा ठाम विश्वास आहे. कारण ती संतांची वाणी होती. सामान्य माणसाला ती इतकी सहजरीत्या कशी समजावी. ती समजली असती तर कदाचित आज आमची मनं खऱ्या अर्थाने समाधानी असली असती. मराठी विषय आठवला की त्यातले अनेक लेखक धड्यांच्या स्वरूपात आपल्याकडे बघून एक ओझरतं हास्य करून गेल्याचा भास होतो. मधु मंगेश कर्णिकांचा ‘मनातले चांदणे’ हा धडा आठवला की नकळतपणे पेपरवाल्या मुलाच्या हातात दिवाळीच्या फराळाची पुडी सरकवली जाते. अरुण शेवते यांचा ‘दिवस ऊन पावसाचे’ आठवला की भर दुपारी येणाऱ्या पोस्टमनसमोर नकळत सरबताचा ग्लास ठेवला जातो. हीच गोष्ट कवितांच्या बाबतीत. सावरकरांची ‘सागरास’ आठवली की आजही डोळ्यांतून पाणी येतं. केशवसुतांची ‘तुतारी’ आजही खडबडून जागी करते. कुसुमाग्रजांची ‘कणा’ आठवली की पाठीवर कुणीतरी हात ठेवल्याचा भास अजूनही होतो. वाऱ्याच्या एका थंडगार झुळकेनं समोरचं पान अलगद उलटलं गेलं आणि मी भानावर आलो.

पुढचं पान हे लाल रंगात रंगलेलं होतं. तुम्ही म्हणाल चित्र काढलं होतं की काय? अहो ते एकवेळ परवडलं असतं पण आमच्या बाईंनी माझ्या वडिलांना दाखवण्यासाठी लिहिलेली तक्रार वाचून आजही भीती वाटली. तक्रार कशाबद्दल तर माझ्या वद्दया अपूर्ण असतात म्हणून. याच कारणासाठी छड्या खाऊन हातही रंगलेत. ती तक्रार वाचल्यानंतर बाईंचा थोडासा रागही आला. पण एक मात्र नी की, इथून पुढे प्रॅक्टिकल्स आणि जर्नल्स अर्धवट ठेवण्याचा विचार जरी आला तरी ही तक्रार आठवल्यावाचून राहाणार नाही. शिक्षकांची आठवण झाली आणि त्यांनी घेतलेले उपक्रम. वेगवेगळ्या स्पर्धा आणि मित्रांबरोबर

केलेली मजा, भांडणं सगळं डोळ्यांसमोरून तरळून गेलं. इतक्यात वडिलांची चाहूल लागली आणि ते लाल रंगातलं पान मी पटकन उलटलं.

पुढचं पान हे गणिताच्या आकडेमोडींनी भरलेलं होतं. कॅलक्युलेटरच्या बटणांवर नाचणारी आमची बोटं अशी लेखी आकडेमोडसुद्धा करायची याचं जरा नवलच वाटायचं. काळ, काम आणि वेगाची गणितं तेव्हा बरोबर जमायची, पण स्पर्धेच्या गणितात त्या गणिताचं प्रॅक्टिकल ॲप्लिकेशन करायची आज गरज भासली की आम्ही नापास होतो. भूमितीमध्ये वेगवेगळ्या आकृत्या आणि आकार काढले. पण चांगला आकार असलेल्या जीवनाचं स्वप्नं साकार होता होता आमच्या नाकी नऊ येत आहेत. मोठे मोठे सिद्धांत तोंडपाठ असणारे आम्ही आज ‘कालाय तस्मै नमः’ हा एकच सिद्धांत गणितातच नव्हे तर सगळीकडे वापरतोय. असो. खूपच ताण पडायला लागल्यामुळे मी पान उलटलं.

पुढच्या पानावर इंग्रजीत पत्र लिहिण्याचा प्रयत्न केला होता. पत्र तसं खूप हास्यास्पद होतं. पण आज ज्याप्रकारे इंग्रजी बोललं जातं त्याप्रमाणे त्या पत्रातलं इंग्रजी ‘बरं’ होतं. मित्राला वाढदिवसानिमित्त लिहिलेलं पत्र. चवथीत असताना शाळा सोडून गेलेल्या मित्राला पत्र लिहिलेलं होतं. (समजा काही वाईट लिहावसं वाटलं, तर वही त्याच्या तावडीत सापडण्याची भीती नको. हा त्यामागचा उद्देश.) पत्र कसंही असो, पण ते वाचल्यावर वाटलं की आता एखादं खरंखुरं पत्र लिहून लांबच्या मित्राला पाठवावं आणि उत्तर येण्याच्या उत्सुकतेतला आनंद लुटावा. पण आजकाल सगळे मित्र I-स्टे आणि एशए वाचण्यात ल्हे असतात. म्हणून तो विचार सोडून दिला. आणि सहज म्हणून वहीची शेवटची पानं चाळली.

शेवटच्या पानावर ‘टाईमपास’ कहर झाला होता. शिवाजीमहाराज, महात्मा गांधी यांची चित्रं काढण्याचा

असफल प्रयत्न केला होता. फुली आणि गोळाच्या खेळानी तर पानंच्या पानं भरली होती. आपण देशाचे पंतप्रधान आहोत असं समजून झोकात सही करण्याचा प्रयत्न. इतरांच्या कवितेतले काही शब्द उचलून तयार केलेली 'स्वरचित' कविता आणि त्याखाली वेगळ्याच स्टायलमध्ये लिहिलेलं नाव. अशा खूप गोष्टी होत्या. हे सारं आजही करावंसं वाटतं पण आजचा 'टाईम' अत्यंत वेगाने 'पास' होत असल्याने या सगळ्या गोष्टी आठवणीतच बंदिस्त झाल्यात.

इतक्यात मोबाईल व्हायब्रेट झाला आणि मी भानावर झालो. एका मित्राचा 'मेसेज' आला होता. "आयुष्याच्या अल्बममध्ये आठवणींचे फोटो असतात. आणखीन कॉपीज काढायला निगेटिव्हज मात्र शिक नसतात." आठवणींनी भरलेली वही आणि

अशावेळी आलेला हा मेसेज. खरंच, भूतकाळातल्या या सगळ्या क्षणांच्या पाकळ्या भविष्यात कधीतरी गुलाब फुलवतील असं कधीच वाटलं नव्हतं. आज तो आठवणींचा गुलाब फुलला आणि आनंद देऊन गेला. अश्रूचे काटे टोचवले खरे. पण त्याशिवाय गुलाबाची मजाच येत नाही.

बापरे, साडेनऊ वाजत आले. दहा वाजता लेक्चर सुरू होतंय. मला निघायलाच हवं. बरंय तर मित्रांनो परत कधी भेटलो तर तुमच्याबरोबर घालवलेल्या या क्षणांची आठवण सांगायला विसरू नका. आणि हो, तुमच्यासुद्धा कपाटात, एखाद्या वहीत असाच एक गुलाब तुमची वाट पाहात असेल, त्याचा सुगंध वाया घालवू नका. गुड बाय.

★★★

नाती

नाती म्हणजे मोती की माती,
प्रेमळ मायेची ऊब की
पेटलेले ज्वालांचे निखारे
पक्ष्यांची ती प्रसन्न किलबिल की
वाघाने केलेली पाडसाची क्रूर शिकार
कधी आयुष्यभर साथ देण्याची वचने
तर कधी विरहाचे प्रहार,
पडल्यावर खाली मित्राने दिलेला हात की
प्रेयसीने अर्ध्यावर सोडलेली साथ,
सरांनी लहानपणी मारलेली छडी की
शिकवणीने त्यांच्या जीवनात घेतलेली उंच उडी
नात्यांमुळेच होतो जीवनाचा गुंता
छायेत प्रेमाच्या व्हावी आयुष्याची सांगता
प्रशांत कदम, तृतीय वर्ष शास्त्र (रसायन)

आई तुला भेटायचंय गं!

हो आई तुलाच भेटायचंय
मला विचारायचंय तू अशी गेलीस गं?
साऱ्या कष्टांचं ओझं घेतलंस तू अंगावरी
निघून गेलीस तू आमच्या परस्परी
येशील का कधी स्वप्नात माझ्या?
घेशील का कधी छायेत तुझ्या?
हो! मला विचारायचंय तू अशी गेलीस का?
वाटलं होतं असशील घरात,
आल्यावर मी, येशील दारात,
तुला न पाहून डोळ्यांत आले आश्रू
आता मी कोणाकडे हात पसरू?
आईच्या मायेशिवाय भेटत नाही माया
उभ्या आमच्या आयुष्यात,
तू दिला आम्हाला आकार
वाईट वाटतं आम्हाला, तू नाहीस,
तुझे स्वप्न झाल्यावर साकार
दिलं होतं मी तुला वचन,
जीवनात करीन त्याचं आचरण
म्हणून मला भेटायचंय तुला
आणि बरंच काही सांगायचंय तुला...
संतोष अनिल आडागळे, प्रथम वर्ष कला

मोदी नावाचे वादळ

अजय कर्वे, सुमित कदम, तृतीय वर्ष, शास्त्र (अ) (संगणकशास्त्र)

२०१२ च्या गुजरात निवडणुकीत मिळालेल्या यशाने नरेंद्र मोदी नावाच्या वादळाने दीतल्या सत्ताधाऱ्यांची झोप उडवली आहे. गुजरातच्या यशाने भाजपाला २०१४ च्या निवडणुकीत सत्तेच्या चाव्या मिळण्याची स्वप्ने पडत आहेत. नरेंद्र मोदींचा प्रचाराचा वेग व एकाधिकारशाही असूनही गुजरातच्या जनमानसात असणारे मोदींबद्दलचे प्रेम या गोष्टींमुळे गुजरातच्या चाव्या परत मोदींकडे येणार हे सरळ होते. गुजरातचे मुख्यमंत्री नरेंद्र मोदी यांनी त्यांच्यावरील होणाऱ्या दंगलीच्या आरोपांचे विकासाच्या कौतुकात परिवर्तन केले. विजयानंतर गुजरातीत भाषण न करता मोदींनी हिंदी भाषण करून राष्ट्रीय राजकारणात लवकरच प्रवेश करण्याचे संकेत दिले. २०१४ च्या निवडणुकीत नरेंद्र मोदी हे पंतप्रधानांच्या उमेदवारीसाठी भाजपा कडून पुढे केले जातील.

बिहार आणि गुजरात ही भारताची पूर्व-पश्चिम टोके. मध्यप्रदेश आणि उत्तरप्रदेश यांनी जोडली गेलेली ही दोन राज्ये गेली काही वर्षे मुख्य प्रवाहातील राष्ट्रीय राजकारणाच्या चर्चेचे केंद्र बनली आहेत. दोन्ही राज्यांत स्थानिक नेतृत्वाने राज्याच्या आर्थिक प्रगतीचा वेग वाढविल्याचे दिसत आहे. त्यातही बिहार हे राज्य आर्थिक दृष्ट्याच नव्हे, तर सामाजिकदृष्ट्याही डबघाईला आलेले. मोदींसमोर आव्हान होते गुजरातमधील दंगलीचे तर नीतीशकुमार यांच्यापुढे राज्याला सर्वच प्रकारच्या अनागोंदीतून बाहेर काढून विकासाच्या उजेडाची किमान तिरीप तरी दाखवण्याचे!

येणाऱ्या लोकसभा निवडणुकीत वेगवेगळ्या युती व आघाड्या निर्माण होण्याच्या शक्यता आहेत. १९७७ च्या निवडणुकीनंतर काँग्रेसला लागलेली उतरती कळा व स्थानिक पक्षांचे वाढते वर्चस्व यामुळे

स्थानिक पक्षांशिवाय सत्ता स्थापन करणे काँग्रेस आणि भाजपालाही शक्य नाही. जनता दल आणि भाजपा ही वैचारिकदृष्ट्या अनैसर्गिक युती; परंतु बिहारच्या पातळीवर लालुप्रसाद यांना शह देण्यासाठी ते एकत्र आले. तेव्हापासून या युतीचे मोठे रूप लोकसभेच्या पातळीवर पाहायला मिळेल का याच्या शक्यतांची चाचपणी केली जाते. मात्र भाजपाच्या नेतृत्वाला परिस्थितीच्या रेट्यामुळे लोकसभेसाठी मोदींचे नेतृत्व पुढे करावे लागेल आणि या युतीची शक्यता धोक्यात येईल. नीतीशकुमार यांच्या विकासाच्या कल्पनेत आणि सामाजिक परिवर्तनाच्या प्रक्रियेत मोदींची कल्पना हा एक अडथळा ठरू शकतो. आसाम, ओडिसा, बिहार, झारखंड, पश्चिम बंगाल ही देशातील आर्थिक सामाजिकदृष्ट्या मागासलेली राज्ये समजली जातात. या राज्यांच्या आर्थिक प्रगतीच्या स्वप्नाला आपल्या नेतृत्वाचे पंख देण्याचा वायदा करून नीतीशकुमार यांनी आपले विरोधक नरेंद्र मोदी यांच्यापुढे पर्यायाने भाजप आघाडीसमोर आव्हान पुढे केले आहे. भाजप आघाडीतील अनेक लहान-मोठे पक्ष काँग्रेसेतर आणि भाजपाच्या हिंदुत्ववादाचे वारे न लागलेल्या नेतृत्वाच्या शोधात होतेच. त्यांच्यासाठी नीतीशकुमार यांचा पर्याय समोर आला आहे. मागासलेल्या राज्यांमधून लोकसभेच्या साधारणतः २९० जागा आहेत. यातील आसाम, झारखंड, ओडिसा यांसारखी वजनदार नेतृत्व असलेली राज्ये नीतीशकुमार यांच्या बाजूला झुकण्याची शक्यता मोठी आहे. ममता बॅनर्जीचा कारभार पाहता पश्चिम बंगालमधील जनता पुन्हा त्यांच्या वाटेला जाण्याची शक्यता कमी आहे. अशावेळी डाव्यांनी पुन्हा बाजी मारली तर नीतीशकुमार यांना ते फायद्याचे ठरेल. कारण डाव्यांचे काँग्रेसशी

फार सलोख्याचे संबंध नाहीतच... जयललिता, मायावती, मुलायमसिंह हे प्रादेशिक नेते वारा वाहून पाठ फिरवणारे असतील तर त्यातील अनेकांना जाहीररित्या नितीशकुमार यांची भूमिका घेणेच अधिक परवडणारे आहे.

आगामी निवडणुकीत काँग्रेसतर्फे राहुल गांधी, तर

भाजपातर्फे नरेंद्र मोदी, तर नवीन युती निर्माण झाल्यास नितीशकुमार असा त्रिकोणी सामना होण्याची चिन्हे दिसत आहेत. परंतु पंतप्रधानांची माळ कोणाच्या गळ्यात पडेल हे आगामी काळच ठरवेल...

संदर्भ - महाराष्ट्र टाइम्स

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वाचनकट्टा.... वाचनाचा मस्त-मजेशीर अनुभव !

सदानंद टेळके, मॉडर्न स्पर्धा परीक्षा व 'स्व' अध्ययन केंद्र

वाचन ही स्वतःबद्दल आणि जगाबद्दल नित्य नवं माहीत करून घेण्याची खिडकी आहे. वाचनाचा संस्कार, व्यक्तीच्या व्यक्तिमत्त्वाला एक नवा आयाम देतो, 'वाचन' ही गोष्ट मग विद्यार्थ्यांच्याही आयुष्यात आली तर, जिज्ञासू मनाला विविधतेचे वेध लागावेत, त्यांच्या मनातील अभिरुचीला (गृही) नवे अभिव्यक्तीचे (जिग्दह) चे अवकाश मिळावेत, आणि सहज म्हणून वाचनाचा छंद जडावा, अवांतर वाचनाचाही संस्कार घडावा, या संकल्पनेतून, 'वाचनकट्टा' या 'वाचनसंस्कृती विकसन प्रयत्न प्रकल्प' या प्रकल्पाची सुरुवात मॉडर्न अभ्यासिकेत झाली.

रोजचा अभ्यास झाल्यानंतर दहा मिनिटं-वीस मिनिटं 'नवं काहीतरी वाचायचं' या छोट्या कृतीतून हा उपक्रम छान आकार घेतोय. येथे मुले वेगवेगळ्या विषयांचा, परीक्षांचा अभ्यास करण्यासाठी येतात, आणि अभ्यासानंतर छानपैकी स्टीव्ह जॉब्सचं भाषण, इ० चे चरित्र, एखाद्या पेपरमधील संपादकीय, प्रगती फास्ट, लोकसत्ता करिअर वृत्तान्त असं काहीतरी 'नवीन' आवर्जून वाचतात, एक नवीन 'वाचनानुभव' घेतात.

अभ्यासिका हॉलच्या मध्यभागी दोन डेस्कवर पुस्तके, वृत्तपत्रे अंथरून ठेवलेली असतात, आणि या वाचन कट्ट्यावरती मग विद्यार्थी या पुस्तक मित्रांशी, वृत्तपत्र मित्रांशी छान वाचन-संवाद साधतात. पुस्तके, वाचन व्यक्तीला 'जगायचं कसं' याबद्दलचा एक व्यापक

जीवनविषयक दृष्टिकोण देतात, ती बाब विद्यार्थ्यांच्या बाबतीत घडावी, त्यांनी वेगवेगळ्या स्पर्धापरीक्षांचा अभ्यास करतानाही स्वतःच्या 'स्व'चंही अध्ययन या 'स्व' अध्ययन केंद्रात वाचनाद्वारे करावं, यासाठीचा हा प्रयत्न. विद्यार्थ्यांच्या उत्स्फूर्त सहभागाने आणखी प्रयोगशील होतो आहे. महाविद्यालयाच्या ग्रंथपाल दात्रे मॅडम, नवीन उपक्रमांचं नेहमी स्वागत करणारे महाविद्यालयाचे प्राचार्य झुंजारराव सर यांच्या मार्गदर्शनाखाली उपक्रम आकार घेतो आहे.

विद्यार्थी मित्रांनो, आपणही 'अवांतर वाचन' ही बाब आपल्या दैनंदिन जीवनाचा भाग करून आपल्या आयुष्याला समृद्ध करू शकता. हो, तुम्हीदेखील वाचनकट्ट्याचे सदस्य होऊ शकता. तर मग भेटूया वाचनकट्ट्यावर!

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सती

स्त्रिया सती गेल्या खूप
एकही पुरुष सती नाही
जीवनभर तिला जाळून
मृत्युनंतरही जाळतात
प्रेम व्यक्त करायला पुरुष
फक्त "ताजमहालच" बांधतात
शुभांगी जगताप, ११ वी (ड)

अंधारून आलं होत, दिवसभराच्या कामानं दमलेला शिवा घर जवळ करत होता. कोमट गरम पाणी हाता-तोंडावर घेऊन कप-बशीभर चहा प्यावा, चिमुकल्या रामदास व गीताला भाकरी-कोरड्यास होईपर्यंत खेळवावं असा विचार करत तो झपझप चालत होता.

दुरूनच त्याला घराभोवती माणसांची गर्दी दिसत होती. बायांच्या ओरडण्याचा-रडण्याचा आवाज येत होता. शिवाच्या काळजात धस्स झालं. कपाळाभोवती गुंडाळलेलं दुपटं ओढून हातात घेतलं. पायाचा वेग आणखीनच वाढला. शिवा घराच्या दिशेने पळतच सुटला.

चोची वासणाऱ्या पिलांसाठी चारा घेऊन रानातून भिरभिरणाऱ्या पाखरानं घरट्याजवळ जाताच ते उद्ध्वस्त झालेले पाहावं असं समोरचं दृश्य पाहून शिवाची अवस्था झाली.

चार वर्षांपूर्वी भूमिहीन शिवा आपलं जन्मगाव सोडून बायको व तीन-साडेतीन वर्षांच्या गीतासह आल्याच्या गावी तिच्या सांगण्यावरून आला होता. तेथील एका जमीनदाराकडे तो सालगडी म्हणून काम करत होता. आपल्या आयुष्यात त्याने अनेक चढ-उतार पाहिले होते. दारूपायी बापानं गमावलेली शेती आणि दारूपायीच त्याला आलेलं मरण बापाच्या मरणाचा धसका घेऊन माय अंथरुणात पडली. अन् तीही तशीच त्याच्या मागे निघून गेली. अशा परिस्थितीत आल्यानेच त्याचं लग्न केलं व आपल्या गावात आणून त्याला काम मिळवून दिलं होतं. राहातं गाव त्यानं सोडलं पण वडिलोपार्जित असलेले कर्ज चुकतं न झाल्यामुळे देणेकऱ्यांनी त्याची पाठ सोडली नव्हती. जसं जमलं तसं शिवा प्रत्येकाचं देणं हळूहळू चुकतं करत होता. मालक पैसे वेळेवर नाही पण मागेपुढे करून देतच होता.

फार चांगलं नाही, पण बऱ्यापैकी चाललं होतं. येथे आल्यावर गीताच्या पाठीवर रामदास जन्माला आला होता, शिवाच्या वंशाचा दिवा.

गरिबीमुळे शिक्षण न घेतलेल्या शिवाला शिक्षणाविषयी तळमळ होती. अक्षर ओळखीपुरतं शिक्षण त्यानं कसंतरी पदरात पाडून घेतलं होतं. ते घेऊन तो हुशार झाला नव्हता, पण शिक्षणाविषयीचं महत्त्व समजण्याइतपत शहाणपण आलं होतं म्हणून मुलगी असूनही त्यानं गीताला शाळेत घातलं होतं.

‘रामराव देशमुख’ शिवाचा जमीनमालक शिवाला राहाण्यासाठी त्यानं गावानजिक तुरळक वस्ती असलेला जुना गोठा राहायला दिला होता. पूर्वीच्या गोठ्याचं आता ‘घर’ झालं होतं. मालकाची शेती गावानजिक तशी गावापासून दूर अशी विभागलेली होती. शिवा त्यात राबराब राबत होता. पुर्वीचं देणं, बायको, पोरं असा सगळा व्याप सांभाळत आपला गाडा हाकत होता. गरिबीचं आयुष्य जगत होता अन् मालकाच्या भरवशावर देणेकऱ्यांना दिलेले शब्दही. संवेदनशील शिवाचं मन चिंतेनं पोखरत होतं. प्रत्येक वेळी नवा जन्म घेऊन उमेदीनं उभं राहत होतं, कल्पनेनं काहीतरी साकारत होतं. अधूनमधून मालक येत होता. बाकी असलेल्या कामाचा पाढा वाचत होता. पण सालगड्याच्या मिळकतीविषयी बोलण्याचे टाळत होता. हे सर्व शिवाच्या सहनशक्तीपलीकडे जाऊनही तो दाताखाली जीभ दाबून शांत राहात होता.

ओढ्यातल्या कुंडामधले पाणी दिवसेंदिवस कमी-कमीच झाल्याने त्यातल्या माशाने रागात पूर्ण ताकदीनिशी सूर मारावा आणि बाहेर पडून अधिकच वेदनेने तडफडावे, जगण्यासाठी त्याच पाण्यात पुन्हा पडावे. पाणी पडेल याच आशेने...

आज ना उद्या परिस्थिती बदलेल या आशेने शिवा

गप्पच होता.

गीता व रामदास, शिवाची दोन मुलं. रामदास तान्हुला तर गीता दोन वर्षांपासून शाळेत जात होती. तान्हुल्या रामाला सांभाळत होती. कोवळ्या वयातही परिस्थिती ओळखून आईला शेतात-घरात होईल तशी रडत-पडत मदत करत होती. शाळेचे जुने कपडे फाटल्यामुळे द्वारकाने गावातल्या दुकानातून तिला कपडे आणले होते. बाजाराची काळवटलेली, ठिकठिकाणी फाटलेली थैली ती दप्तर म्हणून वापरत असे, म्हणून शिवाने तिला शनिवारच्या आठवडी बाजारातून दप्तर आणले होते. आदल्या दिवशी नवा कोरा ड्रेस व नंतर दप्तर मिळाल्यामुळे तिला आनंद झाला होता. शाळेत जाऊन वर्गातल्या सोबतींना दप्तर कधी दाखवावे असे तिला झाले होते. चिमुकली गीता फारच उत्साहित झाली होती.

जुन्या दप्तरातील कोपरा फुटलेली पाटी, रंगीबेरंगी लेखणी, वरवरची पाने अर्धवट फाटलेली पुस्तके, मधल्या सुटीत खेळण्यासाठी जमा केलेले गोल, गोल खडे, कागदापासून बनवलेले बटवे, त्यातील चिंचोके, कधीतरी मिळालेले आणे-आठ आणे अगदी जीव लावून सांभाळून ठेवलेले हे सर्व काढून, तिने नवीन दप्तरात ठेवले. ते पाठीवर लटकाऊन घराभोवती मोठ्या रुबावात दोन फेरफटके मारले. त्या बालमनात आनंदाचे फवारे उडाले.

पुन्हा पुन्हा ती दप्तरातील पुस्तके काढून जागा बदलून ठेवत. रात्री आईने 'दे आता ठेवून' म्हटल्यावर तिने ती ते घरातील लाकडी डिळीला लटकाऊन ठेवले. आनंदाने भारावलेली गीता विचार करत झोपी गेली. त्या रात्री तिला अधूनमधून जाग आली तेव्हा ती तशीच पडल्या-पडल्या दप्तराकडे बघत व पुन्हा झोपी जाई.

दुसऱ्या दिवशी रविवार शाळेला सुटी होती. गीता आईसोबत उठली. तिला कामात मदत केली. त्या चिमुकल्या हातांनी तिने कपडे धुतले. आदल्या दिवशी घातलेला शाळेचा नवा कोरा गणवेशही धुतला.

अंगणाबाहेरील गवतावर तिने तो सुकायला टाकला. वारंवार दप्तराला पाहून स्पर्श करून उद्या ते पाठीवर घेऊन शाळेत जात असल्याची जणू ती कल्पना करत.

पहाटेची न्याहारी करून, दुपारची भाकरी पालवात बांधून घेऊन शिवा दुरवरच्या शेतात निघून गेला. द्वारका-गीता व रामदासला घेऊन नजिकच्या वावरात गेली. खुरपण्याच्या कामामध्ये गीताही आईला होईल तशी मदत करत होती. दिवस डोक्यावर आला होता, पावसाळ्याचे दिवस असूनही उन्हाचे दाहक चटके लागत होते, जिकडे-तिकडे माणसं दिसत होती. पीक डवरताना फवारणी करताना गाई-ढोरे वळताना फवारणीच्या पंपांच्या, गुरांना दिलेल्या आरोळीच्या, मंद झुळूक वाऱ्याच्या आवाजाने शिवार संगीतमय झाले होते.

द्वारका गीताला म्हणाली, "गीता, जा पातीला भरून पाणी आण." भाकरी खाऊ भूक लागलीय नं? हो! म्हणत गीतानं रिकामं झालेलं पातीलं उचललं अन् पाणी आणण्यासाठी धाव घेतली. नवीन कपड्यांच्या व दप्तरांचा आनंद सोबतीला होता. फक्त उद्याचा दिवस यायचा होता.

हरणाच्या कळपातील नेमकेच उड्या मारत चालू-पळू लागलेल्या पिलाप्रमाणे गीता पळत होती. दम लागला की मध्येच थांबत होती. परत परत पळत होती. पायात चप्पल कधी आलीच नव्हती. त्या कोवळ्या चिमुकल्या पायांना अनवाणी राहायची सवयच होती. अचानक गीताच्या तोंडून 'अय मायव' वेदनामय आवाज निघाला. ती थांबली, खाली बसली. तळपाय बघितला. पायात नेहमीप्रमाणे काटा मोडला. असे म्हणून तिने निरखून पाहिलं पण काहीच दिसलं नाही. विहिरीवर असलेल्या गणाकाकाने तिला पातीलं भरून दिलं. डोक्यावर घेऊन ती माघारी निघाली. आता मात्र पायात आग व वेदना होत होत्या. तशीच ती आईजवळ पोहोचली. आईला सांगितले, काटा टोचला असेल म्हणून. आईनेही निरखलं पण काही दिसलंच नाही.

गीता रडतच होती. डोळ्यासमोर अंधार येत होता, मळमळत होतं. बांधावरील गवतात गीताला सर्पदंश झाला होता. कामाच्या व्यापात असलेल्या आईला ते कळलंच नव्हतं. 'तुझा बाप आल्यावर पाहू, जमलं तर दवाखान्यात जाऊ' असं म्हणत तिने शेजारील झाडाखाली गीताला झोपवलं. मांडीवर झोपलेल्या रामदासला झोक्यात टाकून ती कामाला लागली.

गीता बेशुद्ध होऊन पडली होती. तान्हुल्या बाळाने दुधाची उलटी करावी. तसा तिच्या तोंडातून फेस आला होता. संध्याकाळ होत आली तरी गीता उठली नव्हती, झोक्यातला रामदास रडायला लागला. द्वारकाने त्याला झोक्यातून काढून कडेवर घेतले. गीताला दोन-चार आवाज दिले. गीते, गीते, गीता गतप्राण होऊन पडली होती. दुपारी संगीतमय असलेलं शिवार ढगाळलं होतं. वारा लगाम नसलेल्या घोड्यासारखा मध्येमध्येच उधळू पाहत होता. द्वारकाने टाहो फोडला होता.

शेजारील माणसं धावत आली होती. सर्व घडलेलं कळल्यावर किसन-आजाने टाचेवरील भागावर असलेले तीन छोटे व्रण पाहून 'पाण' (साप चावल्याचे) लागल्याचे लक्षात आणून दिले होते. निष्प्राण देह उचलून घरासमोरील अंगणातल्या बाजेवर आणून ठेवला होता. रडारड चालली होती. बायका द्वारकाला सांभाळत होत्या, रडतही होत्या.

रामदासला काहीच कळत नव्हतं. निपचित पडलेल्या ताईकडे पाहात तोही रडत होता. विचाराचं वादळ डोक्यात घोंघावणारा. शिवा दारात येताच त्यानं गीताला छातीशी कवटाळलं. आकाशातल्या ढगांचा गडगडाट व्हावा तसा हंबरडा फोडला.

‘गीता गीता वं’

आयुष्यातील सुरुवात होण्यापूर्वीच आयुष्य संपलं होतं. वाऱ्याच्या झोतावर डुलू पाहाणाऱ्या रोपट्याचा शेंडाच खुडावा तसा काळाने गीतावर घाला घातला होता.

लेखणीसाठी, बांगडण्यासाठी, कधी फाटलेला

झगा शिवून घेण्यासाठी रडणारी गीता शांत पडली होती. इतरांना रडवत होती.

खुंटीला टांगलेले दप्तर, धुऊन वाळू घातलेला ड्रेस यांच्याशी तिचं आता काहीएक घेणं नव्हतं.



मायभूमी

ही मायभूमी, ही जन्मभूमी, ही कर्मभूमी ही आमुची ॥
महावंदनीय अतीप्राण प्रिय ही मायमराठी आमुची ॥१॥
हा आमुचा आहे बाणा, ही आमुची आहे बोली ॥
अस्मानी झळके भव्य पताका, भगव्या जरी पतक्याची
महाराष्ट्र भूमी ही जन्मभूमी, ही कर्मभूमी ही आमुची ॥
महावंदनीय प्राण प्रिय ही मायमराठी आमुची ॥१॥
राकट देशा, कणखर देशा, दगडांच्या देशा ॥
प्रणाम माझा घ्यावा हे श्री महाराष्ट्र देशा ॥२॥
भीमा, वर्धा, कृष्णा, कोयना, भद्रा, गोदावरी ॥
एकपणाचे भरती पाणी मातीच्या घागरी ॥३॥
योग्यांची अन् संतांची, भक्तांची माळकऱ्यांची ॥
ही देव देश अन् धर्मासाठी प्राण वेचणाऱ्यांची ॥४॥
योद्ध्यांची अन् वीरांची, धनवाडीच्या पाट्यांची ॥
देशाचे रक्षण करण्यासाठी जीव झिजणाऱ्यांची ॥५॥
ही भूमी सप्तसुरांची, रंगाची अन् सखलांची ॥
काव्याची शास्त्र विनोदांची, ही मायभूमी साहित्याची ॥६॥
महाराष्ट्र भूमी, ही जन्मभूमी, ही कर्मभूमी, ही आमुची ॥
महावंदनीय प्राण प्रिय, ही मायमराठी आमुची ॥७॥
ही मायभूमी, ही जन्मभूमी, ही कर्मभूमी ही आमुची ॥
महावंदनीय प्राण प्रिय, ही मायमराठी आमुची ॥८॥
श्वेता म्हस्के, प्रथम वर्ष कला

तुका झालासे कळस...

सोनाली किसन आंधरे (एम.ए. मराठी)

‘लौकिक जीवनातून निवृत्त झालेला आणि पारलौकिक विचारांत रमलेला विरक्त लोकविन्मुख माणूस म्हणजे संत.’ संत म्हटलं की, भगवी वस्त्रं, हातात जपमाळ आणि केवळ परमार्थाच्या मागे लागलेला, भजन-पूजनातच गढून गेलेला व लोकांनाही ऐहिकतेकडे पाठ फिरवायला सांगणारा संन्यासी असा ‘संत’ या शब्दाचा अर्थ करणे म्हणजे सगळ्यात मोठी चूक आहे. लोकजीवनाशी संपर्क न ठेवणारे संत लोककल्याणाचे कार्य काय करणारे? जप, तप, होमहवन, मंत्रपठण, पूजा-अर्चा आणि प्रपंचाची निंदा यांतच रस घेणाऱ्या तथाकथित साधूसंतांचा आपल्या देशात पूर्वीपासून बडिवार माजवला गेला. मठमंदिरांत अष्टौप्रहर मुाम करून बसलेल्या या बैराग्यांनी सभोवतालच्या समाजाची कधी विचारपूस केली आहे का? माळ जपून आणि होम करून मोक्ष मिळवता येतो अशा भ्रमात ते स्वतः वावरतात आणि भोळ्याभाबड्या लोकांच्या मनातही याच कल्पना पेरीत राहातात.

“जगाच्या कल्याणा संतांच्या विभूती

देह कष्टविती उपकारे ।”

खऱ्या संतांच्या अंगात फक्त समाजाचं हित आणि सुख हाच गुण असावा. समाज सर्वांगपरिपूर्ण व्हावा, तो नैतिक मार्गाने चालत राहावा. समाजात प्रेम, शांती या मूल्यांना श्रेष्ठता यावी हीच उत्कट इच्छा खऱ्या संतांची असते. समाजप्रबोधन करताना अज्ञानी लोक संतांचा मानसिक छळ करतात. पण तरीही लोकजीवनापासून हे प्रबोधनवादी संत कधीच फटकून वागत नाहीत अथवा तो गुणधर्म त्यांच्यात नसावा, म्हणून संततुकाराम म्हणतात.

“तुका म्हणे तोचि संत ।

सोशी जगाचे आघात ।”

ज्ञानेश्वरांना सनातन वृत्तीच्या समाजकंटकांनी बहिष्कृत केले होते. तुकारामांची अभंगगाथा इंद्रायणी नदीत बुडवली होती. कीर्तन-प्रवचन करण्याचा त्यांना अधिकार नाही असे सांगून तुकोबांची अनेक प्रकारे अवहेलना केली होती. पण ते सारे अपमान शांतपणे सहन करूनही तुकोबा महाराज म्हणतात...

“झाडू संतांचे मारग ।

आडरानी भरले जग ।”

संत तुकाराम महाराज हे संतवृत्तीचे चालते-बोलते आणि समाजप्रबोधन करणारे प्रतीक आहेत. त्यांची समग्र अभंगवाणी ही प्रबोधन विचारांनी ओथंबून गेलेली आहे. त्यांच्यात समाजाविषयीचे वात्सल्य प्रकट झाले आहे. तुकोबा कवी जरूर होते, पण त्यांची कविता ही ‘स्वान्तःसुखाय’ अशी कधीच नव्हती. अनेक प्रतिभावंत कवी आपल्या हस्तिदंती मनोऱ्यात राहून आपल्याच सुख-दुःखात गीत आळवत असतात. आणि म्हणूनच ते फक्त त्यांच्यासाठीच जगतात. पण संतांची कविता मात्र आईच्या शब्दांप्रमाणे वात्सल्याने भिजलेली असते. म्हणूनच संतांना ‘माऊली’ अशी संज्ञा दिली जाते.

तुकोबारायांचे तत्त्वज्ञान आणि उपदेश सत्यशोधनाची ‘गुरुकी’ आहे. “तुकोबांच्या मनाची घडण काही अपघात चमत्कारात घडलेली नव्हती. तर बाह्य जगाच्या निरीक्षणातच वाढीस लागली होती. त्यामुळेच त्यांचे तत्त्वज्ञान ज्ञानमार्गाच्या पंडिती शब्दवैशिष्ट्यात गुरफटून न जाता अनुभवजन्य आत्मबोधातच साकारले आहे” असे वा.सी. बेंद्रे यांनी म्हटले आहे.

तुकोबांच्या तत्त्वज्ञानाचे स्वरूप दोन प्रकारांत विभागले जाते. आत्मोन्नती आणि समाजोन्नती,

आत्मज्ञातीचे तत्त्वज्ञान अद्वैत भक्तीवर आधारित आहे. तर समाजोन्नतीचे तत्त्वज्ञान उपदेशपर आहे. तुकोबांनी कर्म श्रेष्ठ ठरवून कर्माची आणि श्रमाची प्रतिष्ठा कायम केली. जन्मसिद्ध जातीची श्रेष्ठता पहिल्यांदा तुकारामांनीच नाकारली. विष्णुदासांना कोणताच जातिधर्म नसतो. हा वेदशास्त्रातील दाखलाही त्यांनीच दिला. याशिवाय

“वर्णाभिमाने कोण जाले पावन ।

ऐसे द्या सांगून मजपाशी ।”

असा खडा सवाल त्यांनी समाजाला केला. त्यांनी कर्म श्रेष्ठतेबरोबरच व्यक्तीच्या श्रेष्ठतेलाही महत्त्व दिले. शुद्ध आचरणाने आणि सदाचारानेच माणूस श्रेष्ठ ठरत असतो. आपली कर्मे ईश्वरावर सोपवून करावीत.

“इंद्रियव्यापार जे जे काही कर्मे ।

करितो ते धर्म सकळ तुझे ।”

इतकेच नाही तर तुकाराम महाराजांनी वैदिक धर्मातील मोक्षाची आणि मुक्तीची कल्पना गौण मानली. ते म्हणतात...

“नाही देवापाशी मोक्षाचे गाठोडे ।

आणूनि निराळे द्यावे हाती ।”

देवळातल्या देवापेक्षा माणसांतला देव जागवण्याचा आणि लोकांना दाखवण्याचा त्यांचा प्रयत्न ही त्यांच्या सामाजिक जाणिवेची प्रमुख गुणवैशिष्ट्ये आहेत. यात्रा-जत्रा आणि देवदेवस्की करणाऱ्या लोकांना त्यांनी परखडपणे सांगितले.

“तीर्थी धोंडा आणि पाणी ।

देव रोकडा सज्जनी ।”

तीर्थयात्रेवरचा हा हा अत्यंत तर्कशुद्ध आहे. अंगावरचे कातडे कितीही वेळा धुतले, घासले तरीही अंतःकरण शुद्ध होतेच असे नाही आणि कडू कारले कितीही साखरेत घोळवले तरीही त्याचा कडवटपणा जात नाही. त्याचप्रमाणे तीर्थक्षेत्री स्नान केले म्हणून मन स्वच्छ होत नाही, हे लोकांना त्यांनी हिरिरीने पटवून

देण्याचा सतत प्रयत्न केला.

तुकाराम महाराजांनी समाजात व्यवहारवाद रुजविला. धन कसे मिळवावे आणि त्याचा व्यय कसा करावा हे सांगताना तुकोबाराय म्हणतात.

“जोडोनिया धन उत्तम वेव्हारे ।

उदास विचारे वेच करी ॥

जगाच्या कल्याणासाठी ‘आधी केले मग सांगितले’ हीच सर्व श्रेष्ठ संतांची प्रमुख भूमिका आहे. अधार्मिकता, अनैतिकता आणि दांभिकता यावर तीव्र प्रहार करण्याची त्यांची शिकवण आहे. दुष्टत्वावर घाव घालून त्याला निर्बल केल्याशिवाय चांगल्या समाजाची रचना कधीच करता येत नाही. ‘मला भेटला तर त्याला कासेची लंगोटी द्यावी, पण नाठाळाच्या माथ्यावर काठीची खूण द्यावी’ अशी शिकवण ते समाजावर करतात.

मेणाहून मऊ असलेले संत तुकाराम महाराज वज्रालाही भेदण्याइतके कठोर होते. त्यांनी म्हटले आहे.

“मऊ मेणाहूनी आम्ही विष्णुदास ।

कठीण वज्रासि भेदू ऐसे ।”

मृदुता आणि कठोरता हे दोन्ही गुणधर्म लोकमनात पेरवे लागतात. त्या दृष्टीने संत तुकोबाराय यांनी केलेले कार्य लक्षणीय आहे.

संत तुकाराम महाराजांच्या अभंगातील ज्ञान हे केवळ कोणत्याही एका गोष्टीवर नव्हते तर, त्यांच्या अभंगातून सामाजिक प्रबोधनाचा झरा वाहिला. त्यांच्या अभंगातून वैज्ञानिक ज्ञानाला आव्हान दिले गेले. अलीकडच्या काळात वैज्ञानिक प्रगती प्राप्त करून जी मते वैज्ञानिक मांडतात ते सिद्धांत तुकोबांनी कित्येक वर्षांपूर्वीच अभंगांद्वारे मांडले होते.

“अणू-रेणू या थोकडा ।

तुका आकाशाएवढा ॥”

भूगोल, भौतिकशास्त्र, जीवशास्त्र अशा अनेक विषयांचे अभंग, तत्त्वज्ञान त्यांनी मांडले. याशिवाय सूर्य, मेघ, पर्जन्य, नद्या, ओहोळ, समुद्र, जलचर, भूचर

इ.विषयी चिंतनशील अभंग रचना निर्माण केली.

‘वृक्षवी आम्हां सोयरे वनचरे ।

पक्षीही सुस्वरे आळविती ॥’

हा स्थायीभाव त्यांनी टिकवून ठेवला होता. तुकोबाराय अंधश्रद्धेला कधीच खतपाणी घालत नव्हते, तर याउलट ते नेहमीच विज्ञानवाद, वास्तववादाचा पुरस्कार करत असत.

म्हणून शूरांचे साहस वाढविण्यासाठी रचलेले पाईकाचे अभंग, समाजात निर्माण झालेल्या परिवर्तनाचे तत्कालीन वातावरण आणि त्याचा भविष्यकाळात उमटलेला पडसाद, हे सर्व पाहता ‘तुकारामांची भूमिका निश्चितच धर्मसुधारक आणि समाजसुधारकाची होती ह्यात तिळमात्र शंका उरत नाही.

“सुख पाहता जवाएवढे ।

दुःख पर्वताएवढे ।”

या पाच शब्दांतच संपूर्ण जगाचे तत्त्वज्ञान तुकोबारायांनी मांडले आहे. अशा प्रासादिक वाणीने तुकोबांनी उपदेशात जीव ओतला आहे. समाजाला सदाचाराची शिकवण देणारे दीपस्तंभ म्हणजे संत तुकाराम महाराज संतांच्या मालिकेतील अतिशय लोकप्रिय संत आहेत.

त्यांच्या कार्याचा आढावा घेत संत कवयित्री बहिणाबाई म्हणतात...

संतकृपा झाली । इमारत फळा आली ॥

ज्ञानदेवे रचिला पाया । उभारिले देवालया ॥

नामा त्याचा किंकर । तेणें रचिलें ते आवार ॥

जनार्दन एकनाथ । खांब दिधला भागवत ॥

तुका झालासे कळस । भजन करा सावकाश ॥

बहिणी म्हणे फडकती ध्वजा । निरुपणा केले वोजा ॥

★★★

मान

जवळ असते तेव्हा गळ्यातील चैन असते
तीच काही वेळेस पायातील वहाण असते
मनात आली तर आठवण असते

नाही तर कशाची तरी साठवण असते
एक वेळ देव्हान्यातील देवाचा हार असते
तीच केव्हातरी केर असते

मान असेल तर बोटातील अंगठी असते
नाही तर हातातील काठी असते

पैसा असेल तर जीव की प्राण असते
नाही तर अवमान असते

परंतु हेच सत्य आहे की,

जाण असेल तर स्वाभिमान असतो

आणि त्यामुळेच आपल्याला मान असतो

शुभांगी जगताप, ११ वी (ड)

अरे माणसा माणसांनो!

जन्म घेऊनी तू अवतरला मानव रूपाला
देश बांधवा विसरू नको रे भारत भूमिला
हिंदू मुस्लिम ख्रिस्त ईसाई बंधू संगतीला
राम-रहिम येशु ख्रिस्त दैवत सोबतीला

भांडण तंटा करू नका रे मन आवरा सारे
बंधू-भगिनी आपण सारे त्या देवाची लेकरे
भेदभाव हा नष्ट करा हो अन् मनातला रोष
सावरता मन जातील सगळे अपुले हे दोष

जगा आणि जगवा आपुली आपुलकी भावना
फिरून जन्म नाही तुमचा नका करू वल्गना
कोणी नाही कोणाचे हे ठेवा मनी आठवण
माया ममता विसरू नका हो करा सदाचरण

शुभांगी जगताप, ११ वी (ड)

स्वामी विवेकानंद - माझे आदर्श

प्रशांत ज. ढाकोळ, प्रथम वर्ष, कला

स्वामी विवेकानंदांची काही पुस्तकं मला वाचायला मिळाली आणि त्यांचे विचार मला १२ जानेवारी २०१३ रोजी झालेल्या युवा-परिसंवादात ऐकण्यास मिळाले. पूर्वीपासूनच स्वामी विवेकानंदांची असणारी आवड अजूनच वाढली. त्यास कारणही तसेच होते. त्यांचे विचार मला आवडले. त्यांचे कार्य आवडले.

“ज्यांचे हृदय गरिबांसाठी तळमळते त्यांनाच मी महात्मा म्हणतो. एरवी तो दुरात्माच होय.”

- स्वामी विवेकानंद

संपूर्ण आयुष्य स्वामीजींनी गरिबांसाठी वेचले. भारतात प्लेगची साथ पसरली तेव्हा स्वामी विवेकानंदांनी आपल्या शिष्यांसह गरिबांची सेवा केली. त्या वेळी तर पैशाची सोय झाली नसती तर स्वामी गरिबांसाठी आपल्या मठाची जागा विकण्यास तयार होते. ते एकदा म्हणाले होते की, “जोपर्यंत माझ्या भारतभूमीतील कुत्रादेखील उपाशी आहे तोपर्यंत त्याला खावयास देणे हाच माझा धर्म आहे.”

त्यानंतर धर्माधर्मातील कलहांचे मूळ कारण स्वामीजींनी फार छान पटवून दिले. त्यासाठी छोटी कथा सांगितली. ती थोडक्यात-

एका छोट्याशा विहिरीत एक बेडूक राहात होता. त्याचा जन्म त्याच विहिरीत झाला होता. ती विहीर हेच त्याचे विश्व झाले होते. एके दिवशी त्या विहिरीत समुद्रातील बेडूक येऊन पडला तेव्हा त्या विहिरीतल्या बेडकाने त्यास विचारले, “कुठला रे तू राहाणारा?” त्यावेळेस समुद्रातील बेडूक म्हणाला, “समुद्रात राहात असतो. मी तिथून आलोय.”

“समुद्र! असतो तरी केवढा हा समुद्र? माझ्या या विहिरीएवढा?” असे म्हणून या विहिरीतील बेडकाने एक छोटीशी उडी घेतली. त्यावर तो समुद्रातील बेडूक

म्हणाला, “मित्रा, या तुझ्या टिचभर विहिरीची तुलना तू समुद्राशी कशी बरं करू शकतोस?”

हे ऐकताच विहिरीतील बेडकाने अजून एक टुण्णुंशी उडी घेतली व विचारले, “काय! एवढा मोठा आहे तुझा समुद्र?”

“समुद्राबरोबर विहिरीची तुलना! डोके ठिकाणावर आहे ना दादा तुझे?”

“हं! हं! म्हणे समुद्र मोठा. माझ्या या विहिरीपेक्षा दुसरं काही मोठं असूच शकत नाही. हा लबाड असला पाहिजे. द्या रे याला हाकलून.”

हाच संकुचित भाव आपल्या कलहाचे मूळ कारण होय. प्रत्येक जण छोट्याशा आपल्या धर्म नावाच्या विहिरीतच बसलाय आणि त्यालाच आपले जग मानले आहे.”

स्वामीजी स्वतः अनेक वेळा मुस्लिम व्यक्तीकडे राहिले. जाती, धर्म, पंथ यामुळे पडलेले माणसामाणसांतील भेद त्यांस मान्य नव्हते.

‘संगती’ या विषयी स्वामीजींनी फार सुंदर उदाहरणे दिली. पाण्यानं समजा गटाराची सोबत केली तर हजारो लोक तेथे थुंकतात. कचरा टाकतात, घाण टाकतात. पण त्याचवेळी त्या पाण्याने नदीची सोबत केली तर हजारो लोक त्या नदीचे पाणी तीर्थ म्हणून पितात. लोखंडाच्या एका तुकड्याला खाटकाच्या हातातील सुरा व्हावे लागते, तर त्याच वेळी दुसऱ्या तुकड्याला भगवंताची मूर्ती होण्याचे भाग्य लाभते.

थोडक्यात, आपण पाणी आहोत पण सोबत कोणाची करायची, गटाराची की गंगेची हे आपल्या हातात आहे. खाटकाच्या हातातील सुरा व्हायचे की भगवंताची मूर्ती हे आपल्या हातात आहे.

युवकांसाठी प्रेरणा -

कोणत्या तरी एका उदात्त ध्येयाने वाहून घ्या,
त्या ध्येयाने तुमचे जीवन भारून टाका,
तुमचा मेंदू, तुमचे स्नायू, तुमचे मज्जातंतू,
तुमच्या शरीराच्या कानाकोपऱ्यात,
त्याचेच वारे वाहू द्या

संपूर्ण विश्व जिंकण्याची शक्ती जर कोणात असेल
तर ती तरुण-तरुणींमध्ये. आणि आज आपल्या
भारतभूमीत सर्वात जास्त तरुणांचीच संख्या असूनही
भारत मागे का? तर याचे उत्तर केवळ संगती/सोबती.
विशिष्ट ध्येय ठेवून चाला. त्याचाच विचार करा,

त्याचीच स्वप्ने पाहा. तुमचा मेंदू, स्नायू, मज्जातंतू,
शरीराच्या कानाकोपऱ्यात त्याचे वार वाहू द्या. ते ध्येय
तुम्हाला नीच मिळेल.

संकटांना घाबरून त्यांच्याकडे पाठ फिरवून पळून
जाऊ नका, तर त्यांना सामोरे जा. ती संकटे नाहीशी
होत असल्याचा अनुभव येईल.

स्वामीजींनी युवकांसाठी प्रेरणा देणारे अनेक उपदेश
केले व त्यांचे प्रयोगदेखील केले. तसेच मानव
घडविण्याचे व राष्ट्र उभारणीचे प्रत्यक्ष कार्यही केले.

★ ★ ★

सुंदर आहे बघणे...

आयुष्य नेहमीच खूप काही दाखवते
काही कारणास्तव तर काही विनाकारणच
पण सुंदर आहे बघणे...
कधी कधी जे पाहतो आपण
ते तेच असतं
तर कधी जे पाहतो
ते पाहिलेलं नसतं
कधी कधी डोळे जे बघतात
ते बघायचे नसते
तर कधी जे बघावंसं वाटतं
तेही दिसत नसतं
कधी कधी दिसणारं दृश्य हे मनातलंच असतं
आणि कधी असं काही दिसतं
जे मनातही नसतं
कधी कधी पाहण्याचा दृष्टिकोण
हा केवळ डोळ्यांचा असतो
पण कधी मात्र मनाचा असतो
चांगलं किंवा वाईट अचानकच येतं कधी समोर
ज्याची कल्पना न मनाला असते ना डोळ्यांना
पण निष्कर्ष हाच सुंदर आहे बघणं...
प्रतिक्षा विंचूरकर, प्रथम वर्ष वाणिज्य (अ)

मैत्री

मैत्री एक नातं असतं!
दोन हृदयांत वसवलेलं रेशमी बंधनांचं नातं असतं
मैत्री जोवर असते तोवर जाणवत नाही
तुटल्यावर मग वेड्या मनालाच राहावत नाही
मैत्री तुटते, स्मृती जागते
हळवे हृदय फाटायला लागते...
मैत्री स्मृतीत ठेऊन जाते काही...
मन-मनालाच कळावं असं छेडून जाते काही...!
खरंच मैत्री म्हणजे काय असते?
जीवनाला वळण देणारी वाट असते
मैत्री म्हणजे प्रेमाची लाट, मैत्री असते सहवास
जी सदैव देत असते आनंदाचा सुवास!!!
मैत्री मानत नाही जाती-पार्तीचे बंधन
जे हृदयातून करतील मैत्री त्यांचेच होईल चंदन..
सोन्यालाही नाही मैत्रीचे मोल
म्हणून तर जगात मैत्री ठरते अनमोल
मैत्रीत असते सुखदुःखाची साथ...
मैत्री असते ऋणानुबंधनाची गाठ...
म्हणून मैत्रीला नाही कुठेच तोड
मैत्री म्हणजे दोन हृदयांतील जन्मांतरीची जोड
संतोष अनिल आडागळे, प्रथम वर्ष, कला

अध्यावरती

रात्री आणि दिवसाही दिवे जळत आहेत
तरीही माझ्या जीवनी मात्र काळोखी रात्र आहे
कोणास ठाऊक कोठे गेली अबोल होऊनी सतार
छेडली मात्र होती तिने माझ्या हृदयाची तार!
गेली तरी मला एकदा भेटेल काय ती पुन्हा?
जीव ओवाळून टाकला, हाच का माझा गुन्हा?
स्वातीच्या थेंबासारखी मी तिची पहातोय वाट
थकले माझे डोळे अन् वाटते तिची संपली वाट!
जखमी करण्यासाठीच का परत परत भेटलीस?
अध्यावरती मैफल सोडून का अशी गेलीस?

धम्मसागर उजागरे, द्वितीय वर्ष शास्त्र (बी)

‘वेळेचा खेळ’

जीवनाच्या सारीपाटावर असतो वेळेचा खेळ
माहीत नसते केव्हा येईल ‘एक्झिट’ची वेळ
ज्या न उमगे खेळ वेळेचा
तया घेणे लागे आसरा सबबींचा
एकदा का गमला वेळेचा ठेवा
वाटेल सर्वांना तुमचा हेवा ॥१॥
तारुण्य वेळेला ‘बकाबका’ खाते
वृद्धपणी वेळ खायला उठते
तरुणपणीच ठरवावी वृद्धत्वाची वेळ
नाही तर जीवनाचा होतो खेळ ॥२॥

अती आनंदाने बेधुंद होऊ नये
अती दुःखाने कोसळून जाऊ नये
येणारी प्रत्येक वेळ जाणारच असते
याचे भान सर्वांनी ठेवावे लागते ॥३॥

म्हणूनच सांगते,
या वेळेचे नसते काहीही खरे
वेळ येण्यापूर्वीच सावध व्हा बरे
वेळेतच ठेवावी वेळेची जाणीव
पडणार नाही कधी कशाचीच उणीव ॥४॥

जीवनाच्या सारीपाटावर असा वेळेचा खेळ
माहीत नसते केव्हा येईल ‘एक्झिट’ची वेळ

सौ. मंजुषा श्याम देशपांडे (द्वितीय वर्ष, एम.ए.)

चारोळ्या

मी तुझी स्वप्न बघणं,
माझी चूक नाही
जेवल्यानंतर मला झोप येते,
त्याला मी काहीच करू शकत नाही

मी माझ्याच मस्तीत काल
एक सुंदर गाणं गायले होते...
आज सूर बेसूर झाले...
शब्द हरविले, चालही विरली...

...

...

घसा बसला आहे, फार काही नाही...

सावलीच होते सावलीला परकी,
जेव्हा सूर्याचे अस्तित्व तिमीर गिळून टाकतो
अंधःकारात हरवतात सान्या दिशा,
पण भास्कर थोडंच ते काळ सावट कवटाळून
बसतो

लख्ख चमकणारा सूर्य,
सांजवेळी अधिकच गडद होत गेला
कुठेतरी दूरवर क्षितीजाआडून मग,
साराच अंधःकार पसरत गेला

सूर्य, चंद्र, तारे, आकाश धावतात,
कवीच्या कवितेत उतरायला
मात्र खऱ्या मैत्रीचे क्षण पुरे असतात
जखमांवर मोरपीस फिरवायला

आंभरे सोनाली किसन, (एम.ए. मराठी)

युवाशक्तीचे शिल्पकार स्वामी विवेकानंद

स्वराली बाळाजी सूर्यवंशी, प्रथम वर्ष, कला

स्वातंत्र्य चळवळीला प्रेरणा देणारा एक युगकर्ता संन्यासी म्हणजे स्वामी विवेकानंद. काळाच्याही खूप पुढे असलेले, आपल्यासमोर आजच्या आणि उद्याच्या प्रश्नांची मांडणी करीत, त्यांची उत्तरे शोधत ती आपणासमोर मांडणारे अनेक शास्त्रज्ञ, अर्थतज्ज्ञ, उद्योजक यांच्यातील युवा मनाचे शिल्पकार म्हणून ते संबंध जगासमोर उभे ठाकतात. अमेरिकेतील शिकागोची सर्वधर्म परिषद गाजवून सोडणारे विवेकानंद आपणासमोर उभे राहातात. ते भारताचे खरे भारतीयत्व सार्थ पद्धतीने जगासमोर मांडत असताना एक थोर देशभक्त, भारताच्या पुनर्बांधणीचा महत्त्वपूर्ण असा आधारस्तंभही होते. या अभूतपूर्व आधुनिक योगी पुरुषाचे विचार हे पिढ्यान्पिढ्या तरुण मानवी मनाला नेहमी प्रेरणादायकच ठरतात.

प्रत्येक व्यक्ती, प्रत्येक देश महान बनण्यासाठी तीन गोष्टी आवश्यक असतात- चांगुलपणावर त्याची श्रद्धा असली पाहिजे. त्यांनी मत्सर आणि संशयी वृत्ती दूर ठेवायला हवी. विवेकानंद यांच्या संपूर्ण कार्यातून प्रेरणेच्या स्वरूपात ही सूत्रे आपल्याला सापडतात. जागृतीच्या लाटेवर जोपर्यंत सगळे जग स्वार झालेले दिसणार नाही तोपर्यंत खरीखुरी प्रगती होऊ शकणार नाही. यासाठी विवेकानंद तरुणांना दुर्दम्य इच्छाशक्ती बाळगण्यास प्रेरीत करतात. ते म्हणतात, “जातीयता, राष्ट्रीयता किंवा इतर संकुचित गोष्टींच्या पायाभर उभे राहून कुठल्याही समस्येचे उत्तर मिळू शकत नाही. प्रत्येक कल्पना किंवा विचार हा जोपर्यंत अखिल विश्वाला गवसणी घालत नाही तोपर्यंत समाधानकारक प्रगती साधता येत नाही. समग्र जीवनाला सामावून घेईपर्यंत आकांक्षेची व्याप्ती ही वाढतच राहिली पाहिजे.” लोकमान्य टिळक व महात्मा गांधी यांच्या विचारातला

गुरुत्वमध्य विवेकानंदांनी बरोबर शोधला होता. जाति-व्यवस्था, हिंदू-मुसलमान प्रश्न, रूढी, अंधश्रद्धा, अज्ञान, दारिद्र्य या सर्वांमध्ये त्यांना युवाशक्तीचं बळ एकवटलेलं दिसत होतं.

स्त्री समानता म्हणजे काय हे विवेकानंदांनी अनेकदा रेखांकित केलेलं आहे. रजस्वलेने मंदिरात जाऊ नये म्हणून धर्ममार्तंडांनी केलेल्या प्रयत्नांना चोख उत्तर देताना त्यांचा दुर्दम्य आशावाद दिसून येतो. ते म्हणतात, “देवी, आई, बहिणी, गृहलक्ष्मी आणि मुलगी या रूपांत असलली स्त्री अपवित्र कशी असेल? या पीडित भगिनींना देवाच्या आधाराची गरज आहे. त्याकरता तरी मंदिरे मोकळी करा. ते जमत नसेल तर मंदिराला कुलूप लावून मोकळे व्हा!” यापुढे जाऊन आग्रहाने ते असेही म्हणतात की या देशाचा अभ्युदय करायचा असेल तर हिंदू-मुसलमान सहकार्याबरोबर त्यांच्यातल्या समन्वयाची गरज आहे.

रूढी, अंधश्रद्धा, धर्मातील अनाचाराविरुद्ध लढाई ते अपरिहार्य मानतात. हे सांगताना ते विज्ञानाला दूर करत नाहीत. सगळे धर्म हे माणसाच्या अशाश्वत जीवनात त्याच्या शाश्वत आस्तत्वाचा आधार म्हणून उभे असतात. म्हणूनच ते माणसांना हवे असतात. धर्माचा आधार घेऊन धर्मातील अपप्रवृत्तींवर आघात करण्याचं कामही मोठ्या ताकदीने विवेकानंदांनी केलेले होते. विज्ञानाचा कार्यकारणभाव ते जाणून होते. धर्मपण हाच कार्यकारणभाव मानतो. त्यामुळे धर्मात चमत्काराला स्थान नसते. माणसांनी त्याला रूपक कथा किंवा मिथक कथांचे रूप दिलंय.

आपला संकुचित दृष्टिकोण सोडून द्यायला ते युवकांना सांगतात. त्यासाठी प्रत्येकाला जे जे काही छोटेखानी करण्यासारखे असेल ते ते त्याला करू द्यावं.

त्याच्यासाठी कुठला मार्ग हा सर्वोत्कृष्ट आहे हे त्याला त्याच्या अनुभवावरून कळू द्यावं. भारताचं भवितव्य हे आपणा सर्वांच्या कामावरती अवलंबून आहे. त्यासाठी प्रथम आपली कर्मे पाहावीत. त्याकरता दुसऱ्याला बोल लावता कामा नये. व्यावहारिक कर्तव्यांची सांगड विवेकानंद समाजवादाशी घालताना दिसतात. या अंतर्गत शिक्षणाच्या सार्वत्रिक प्रसाराबरोबर दलित, कामगार यांचे शिक्षण होऊन त्यांचे जीवनमान सुधारावे, समाजातील त्यांचा दर्जा सुधारावा, ज्यानं मानवी स्वातंत्र्याची गळचेपी होणार नाही. हे विचार विवेकानंदांनी रशियन राज्यक्रांतीच्या वीस वर्षे आधीच सांगितले होते. तेव्हा माणसाला माणूस बनवू पाहातो तोच खरा धर्म ही सर्व धर्मांची खरी ओळख आहे. आज आम्हां युवकांना खरा धर्म हवा आहे तो हा. सर्व धर्मांवर आधारलेला, विज्ञान मानणारा, गतिशील धर्म.

विवेकानंदांचे सामाजिक सद्यस्थितीवर भाष्य करणारे विचार असो, धर्म चिंतनपर विचार असो; त्यात युवावर्ग हा केंद्रस्थानी असलेला दिसतो. या युवावर्गाची इच्छाशक्ती एकवटली तर ती क्रांतीपेक्षाही महान कार्य करू शकते.

विवेकानंद म्हणतात- या जगात पाप जर असेल तर ते केवळ दुर्बलता. सर्व प्रकारचा दुबळेपणा निक्षून दूर केला पाहिजे. कारण दुर्बलता हे पाप आणि दुर्बलता हे मरण आहे. उभे राहा, निर्भय व्हा, सामर्थ्यवान बना, संपूर्ण जबाबदारी स्वतःच्या खांद्यावर घ्या आणि हे जाणा की, तुम्हीच तुमच्या नियतीचे निर्माणकर्ता आहात. जे इतरांसाठी जगतात, तेच खरेखुरे जीवन जगत असतात. त्या व्यतिरिक्त इतरांचे जगणे हे मृतवत आहे.

परमेश्वरावर ज्याचा विश्वास नाही तो नास्तिक, असे सनातन धर्म सांगतो; पण ज्याचा स्वतःवरच विश्वास नाही तो खरोखरच नास्तिक आहे. विवेकानंद म्हणतात जोवर तुमचा स्वतःवर विश्वास नाही तोवर तुम्ही परमेश्वरावर विश्वास ठेवू शकतच नाही. सर्व क्षमता,

सामर्थ्य हे तुमच्यातच आहे. यावर संपूर्ण विश्वास ठेवा की मनात आलेली प्रत्येक गोष्ट तुम्ही साकार करू शकता. अगदी काहीही सिद्ध करू शकता.

शिक्षण हा माणसामध्ये बीजरूपात आस्तत्वात असलेल्या उत्कृष्टतेचा आविष्कार असतो. एक कल्पना उराशी बाळगा. ती कल्पना म्हणजे तुमचे जीवनसर्वस्व बनू द्या. तिचाच विचार केलात, तिचीच सतत स्वप्न पाहिलीत. जीवनाचं मरण-पोषणही त्याच कल्पनेवर झालं तर शरीराच्या प्रत्येक भागात, अगदी नसा-नसांत तीच कल्पना, तेच विचार भरून राहतील. यशाचा हाच राजमार्ग असतो.

यशस्वी होण्यासाठी, तग धरून राहण्याची प्रचंड क्षमता आणि दुर्दम्य असं मनोबळ गरजेचं असतं. सातत्य टिकवून ठेवणारा जीव आखख्या समुद्राचं पाणीही पिण्याची क्षमता बाळगू शकतो. इच्छाशक्तीच्या बळावर तो पर्वताच्या ठिकऱ्या ठिकऱ्या देखील करू शकतो. या प्रकारची ऊर्जा, या प्रकारची दुर्दम्य इच्छाशक्ती बाळगायला हवी.

कामातून दुःख कधीच वाट्याला येत नाही. ते येते तिच्या आसक्तीमुळे. प्रत्येक जीवाच्यात मुळात ईश्वराचा वास असेल. बाह्य आणि आंतरिक निसर्गावर नियंत्रण ठेवून ही आंतरिक ऊर्जा जर तो मिळवत असेल. हे जीवाचे ध्येय असेच सतत कार्यरत राहाणं, भक्ती करणं किंवा मनावर ताण ठेवून तत्त्वज्ञानाचं आकलन केलं तर ध्येय निश्चितपणे गाठता येते. विवेकानंद या ठिकाणी आणखी एक महत्त्वाचा संदेश तरुण पिढीला देतात. जे पुरे केले आहे, त्याकडे मागे वळून पाहात बसू नका. तर पुढे जात राहा. जो काहीही प्रयत्न करत नाही त्यापेक्षा पुढं जाण्यासाठी धडपड आणि संघर्ष करणारा हा निश्चितच सरस ठरतो. या ठिकाणी विवेकानंद वजनाचे रूपक सांगतात- २० हजार टनांच्या तोलामोलाच्या पोकळ वार्ता करण्यापेक्षा एक औंस केलेलं काम हे लाख मोलाचं असतं. जेव्हा इतरांसाठी

आपण काम करतो तेव्हा आपलं काम हे सर्वोत्कृष्ट असतं. चित्तशुद्धीची अस्सलतेनं निखारून आलेल्या हृदयाच्या पावित्र्याची आज नितांत गरज आहे.

स्वामी विवेकानंद आणि महान तत्त्ववेत्ता आईनस्टाईन या दोघांच्या विचारांचा गाभा एक आहे- तो म्हणजे धर्म आणि विज्ञानाचा गाभा एक आहे. आजच्या युवा मानसासमोर पर्यावरण, यंत्रयुग, चंगळवाद यांच्याबाबत असेच मार्गदर्शन करीत विवेकानंद उभे आहेत. पर्यावरणाचा आदर करा. मात्र मानवी प्रगतीला खीळ घालणारा त्याचा अतिरेक टाळा, हेही त्यांनी सांगितलंय. यंत्र हवीत पण यंत्रांनी मानवी सर्जनशीलतेला हद्दपार करता कामा नये. विज्ञान तंत्रज्ञानामुळे वस्तूंची विपुलता येईल. त्यामुळे चंगळवाद येईल. माणसं आत्मकेंद्रित बनतील. मानवी समाजरचना मोडकळीला येईल. हे ओळखायला शिका हे पण त्यांनी सांगितले आहे.

विवेकानंदांनी भारतीय स्वातंत्र्याबाबतची मांडणी विलक्षण आहे. राणीच्या जाहिरातनाम्याप्रमाणे ते फक्त बोलले नाहीत तर त्यांनी धर्मरक्षणार्थ अशा युवा संन्याशांची फळी निर्माण केली. जी खेड्यापाड्यापर्यंत तर पोहोचलीच पण पृथ्वीचा गोल आणि विज्ञानाचे प्रयोग घेऊन जाऊन सर्व धर्मांतील सूत्रं समजावून दिली. ज्यानं समाजाला भूगोल शिकवला. इतिहास शिकवला. विज्ञानातील छोटे-मोठे प्रयोग शिकवले. भोवतालचा निसर्ग वाचायला शिकवला. प्रकाशचित्र वापरून ज्ञान-विज्ञान शिकवलं ही मांडणी करून देणारे दुसरे-तिसरे कुणी नव्हते तर विवेकानंद होते. त्यासाठी युवावर्गाला ते प्रोत्साहित करतात. हे सांगताना ते म्हणतात- आपली खेडी गरीब आहेत. कारण ती अज्ञानी आहेत. आणि म्हणून ती आळशी आहेत. आपण जर त्यांना ज्ञान दिले नाही आणि जगातली सगळी संपत्ती जरी त्यांच्यासमोर आणून ओतली तरी ते खेडं एका वर्षात पुन्हा दरिद्री होईल. या खेड्यांना ज्ञान विज्ञान शिकवून

समोरचा परिसर वाचायला शिकवलं पाहिजे. विवेकानंदांच्या विचारात एक द्रष्टा दार्शनिक विचारवंत, संघटक नेता, कार्यकर्ता लपलेला दिसतो. हे आजच्या युवा शक्तीचं स्फूर्तिस्थान आहे.

विवेकानंदांच्या स्वप्नातील भारताचं चित्र हे आज प्रत्येक देशाची नियती बनून साकार व्हायला हवी. प्रत्येक देशाकडं इतरांना देण्याजोगा एक संदेश आहे. प्रत्येक देशाला एका ध्येयाची पूर्तता करायची आहे. त्यामुळे आधीच आपल्या समुदायाचं ध्येय, आपल्या समाजानं, साकार करण्याची नियती काय असते हे समजून घ्यायला हवंय.

त्यासाठी विवेकानंदांचे तत्त्वज्ञान हे संबंध विश्वाचे साध्य असायला हवं. या ठिकाणी एक सांगावंसं वाटतं की, विवेकानंदांचे विचार हे आह्वानात्मक तर प्रत्येक आत्म्याचे उत्तिष्ठत जाग्रत करणारे आहेत. मनाचे सामर्थ्य हे सूर्याच्या किरणांप्रमाणे असते. जर ते एकवटलं तर आत्म्याचा गाभारा ज्ञान प्रकाशानं उजळल्याशिवाय राहात नाही. त्यासाठी उठा - जागे व्हा! संघटित होऊन लक्ष्य साध्य करा!!

संदर्भ :-

शोधस्वामी विवेकानंदांचा - दत्तप्रसाद दाभोळकर

स्वामी विवेकानंद - एक आदर्श जीवन, मठ प्रकाशन

कोलंबो ते अल्मोरा - भास्करेश्वरानंद स्वामी

★ ★ ★

चारोळ्या

आलोय एकटे एकटेच जाणार,

पण खरंतर दोघांशिवाय

कुणी येत नाही अन्

चौघांशिवाय कोणी जात नाही

प्रशांत रिठे

द्वितीय वर्ष शास्त्र (बी)

The bond between a parent and a child

Darshini Dave (F.Y Bcom- A)

'Parents' are the reflection of the world. 'Parents' are the savior from evil spirits.

P- Protective

A- Affectionate

R- Responsible

E- Emotional

N- Nepotistic/ Nerves

T- Teacher

S- Supportive

Parents are the most valuable gift in a child's life. Parents are the protectors of "good spirits." A child is the heartbeat of the parents in their life. A parent is always willing to sacrifice for their child. At times, a parent becomes over protective towards the child because they can't bear to see a drop of tear in their child's eyes. Parents are a mirror in their child's life which show the real image of the world, the reality of life to the child.

'Child' are the entire world to the parents. A child is the biggest happiness in a parents' life.

C- Charming

H- Humble

I- Innocent

L- Lovable

D- Dearest

A child is the most humble gift given by God to the parents. For parents, their child is the lucky charm of their life. When a child is hurt, be it physically or emotionally, the parent is the only one who applies the right kind of medicine to the wounds. The parent is the only one who always thinks and does the right thing for the child. They are the ones who

show the right path for the child. They selflessly are ready to sacrifice for their child.

My dear friends, today through my personal experiences I would like to share a few things on the relationship between a parent and a child. The best relationship of this world is just between a parent and a child. As children, we actually many a times take our parents for granted. We see our parents' love, care and affection as over protectiveness that does not give us freedom. But the reality is that this is their selfless love for us, because they have seen the reality of life, they have seen the bad world, they also have been hurt and so they don't want us to commit the same mistakes in life. They just fear the evil spirits that could mess up their child's life.

We as children, are often unable to express our feelings to our parents and then we feel that our parents don't understand us. But, no other person other than our parents would understand us better. Parents are the best teachers and guides in their children's life. I would here like to share a poem that's actually written by one of my school friends:-

"My parents are the
Light in the path of
My life,
They help me when
I'm troubled and when I'm in strife,
Such is their goodwill,
they never do ill
they always groom me with
loving care,
like one would do for a prize
winning mare.

Their eyes sparkle with joy when
I see them,
Their smile is full of beauty like the
Meadow glen.
They are always there
When I feel sore,
How could I possibly
Ask for more."

It to our parents even for the right
and the best things. We 's so difficult for
us to say a 'No' to friends for wrong
things but we easily say 'No' to our
parents even for the right and the best
things. We can't hurt our friends even a
single time, but we hurt our parents so
many times. We as children should take
a step towards being friends with our
parents. Parents can be the best friends
for a child. Parents cherish the most
memorable memories of their child. A
child is very incomplete without parents.
Love thy parents!

*Message: Reach out to know the love
of your parents, since they play an
important role in your life.*



How do you count the depths?

*How do you count the depths
of what you've lost or left behind?
Who is to gather all the shattered
pieces of time?
Or try to fix all the 'if onlys?'
For all the things we fought for,
and for all the things we didn't
what can we do but helplessly wait
for the cruel punishment of our fate...*

Shruti Bhatt (M.A. English- Part 2)

Sayings of Swami Vivekananda...

All power is within you, you can
do anything & everything. Believe in
that, do not believe that you are
weak... you can do anything and ev-
erything, without even the guidance
of anyone. All power is there. Stand
up and express the divinity within
you... Arise, Awake, sleep no more.
Within each of you there is the power
to remove all wants and all miseries.
Believe in this and that power will be
manifested.

Take up one idea. Make that one
idea your life- think of it, dream of it,
live on that idea. Let the brain,
muscles, nerves, every part of your
body, be full of that idea, and just
leave every other idea alone. This is
the way to success.

Man is like an infinite spring
coiled up in a small box, and that
spring is trying to unfold itself; and
all the social phenomena that we see
are the result of this trying to unfold.

Education is not the amount of
information that is put into your brain
and runs riots there, undigested, all
your life. We must have life-building,
man-making, character-making, as-
similation of ideas.

Men should be taught to be prac-
tical and physically strong. A dozen
of such lions will conquer the world,
and not millions of sheep can do so.
Secondly men should not be taught
to imitate a personal ideal, however
great.

- Sayali Nathi
F.Y.B.Com, Div-B

A Social Travelogue

Prithviraj Rathod (S.Y.B.A)

It was a beautiful Sunday morning, but it was more pleasant for students of the Economics Department of Modern College, as the day ahead was planned for a visit to an NGO, SNEHALAYA and a visit to the 'Ideal Village of India' Hivere Bazaar.

Snehalaya is a trust run by a social worker Dr. Girish Kulkarni. Snehalaya is an orphanage for new born girls who are rejected by their families. The age groups of the girls brought over there range from one day to six months. After this, they are shifted to the head quarters, Snehalaya where they will be taken care of and educated.

Snehalaya was actually started for children of sex workers, so that they are protected from the harsh realities of the world and that this exposure does not hamper the development of the kids. The HQ is situated in the sprawling green campus of Ahmednagar MIDC which makes it an ideal location for the overall development of the children. The students despite having faced evil social consequences have attained great heights and are living a much better life.

The students of Modern college were very pleased by the efforts shown by the creators of Snehalaya. We donated many things such as biscuits, stationary and also some money. After this humbling experience we then turned our wheels to the 'ideal village of India' i.e. Hivere Bazar.

Hivere Bazar is a small village with a population of 1300 people, situated in Ahmednagar district, about 20 kilometers outside the main city. The village justifies the title awarded to it in every way. The

bonding between the people is immense. They built a mosque for the only Mohammedan family that resides there. Not only have social issues been solved successfully but all the schemes which the Government of India plans have been implemented successfully, like the construction of tarmac and cement roads around the village.

It was a beautiful experience as far as the trip was concerned. All the students regardless of age bonded well and enjoyed the trip very much.

★ ★ ★

Ode to darkness

People say- the darkness will pass soon
Who's so eager to let go of the moon?
Darkness to me isn't so bad,
So forgiving, so kind,
Phasing out the insanity that resides
in my mind,
Hides it all,
No matter how big or small;
Conceals the false glory and the empty pride,
Nulls all gain and false strides.

In the cloak of darkness,
Among the quiet silence,
Among the stars,
Among the bats and cricket's silent alliance,
Shining solemn moon, witness to the force,
Alone among the crowd.

Shruti Bhatt (M.A. English- Part 2)

Android Operating System

Ketan Ghole, Tulshidas Gawade (T.Y.B.Sc. - Computer Science)

Android is a Linux -based operating system designed primarily for touch screen mobile devices such as smart phones and tablet pc. Android was firstly introduced in 2007. The first Android-OS compatible phone was sold in October 2008. Android has been invented by hardware, software, and telecommunication companies devoted to advancing open standards for mobile devices.

Android is an open source and Google releases the code under the Apache License. Due to this feature, it is easy to modify and to distribute it across communities. Android has a large community of developers writing applications [**Apps**] that extend the functionality of devices, written primarily in a customized version of the [**Java**] programming language. In October 2012, there were approximately 700,000 apps available for Android, and the estimated number of applications downloaded from "Google Play", Android's primary app store, was 25 billion.

Android had a worldwide smart phone market share of 75% during the third quarter of 2012, with 500 million devices activated in total and 1.3 million activations per day. Since 2008, Android has seen many updates which have incrementally improved the operating system, adding new features and fixing bugs in previous releases.

History of Android: Android was founded in "Palo Alto", California in October 2003 by Andy Rubin, Rich Miner, Nick Sears and Chris White. Google acquired Android on August 17, 2005, making it a wholly owned subsidiary of Google. At that time, many assumed that Google was planning to enter the mobile phone market

with this move. But at Google, the team which was led by Rubin, developed a mobile device platform powered by "Linux-kernel". Otherwise Android is not Linux. It does not include Linux utilities.

Android's user interface is based on direct manipulation using touch inputs that loosely correspond to real-world actions, like swiping, tapping, pinching and reverse pinching to manipulate on-screen objects. Android devices boot to the home screen, the primary navigation and information point on the device, which is similar to the desktop screen in Linux or Windows. Android has a growing selection of third party applications, which can be acquired by users either through an app store such as Google Play or the Amazon App store, or by downloading and installing the application's APK file from a third-party site.

Android software development is the process by which new Applications are created for the Android operating system. Applications are usually developed in the Java programming language using the software Development kit. Since Android devices are usually battery-powered, Android is designed to manage memory ["RAM"] to keep power consumption at a minimum. When an Android app is no longer in use, the system will automatically suspend it in memory. Android manages the apps stored in memory automatically: when memory is low, the system will begin killing apps and processes that have been inactive for a while.

Android have many advantages for daily use. It is the best ever operating system for mobiles and also for tablets.

References:

www.google.com, slideshare.com

★ ★ ★

Take A Stand

Mrunalini Chaturvedi, F.Y.B.Com 'A'

"Have you taken the pepper spray dear?", mom asked Devika, with a worried expression on her face. Devika turned towards her mother and with a sigh replied, "You are asking this for the 10th time mom! And I have answered you 'YES!' I have it mom."

"Oh dear, I am sorry for troubling you, but I am really feeling afraid. Do you really need to go?" mom asked. "I have to mom", Devika replied sternly, "I have decided to fight for justice, but in my manner. Instead of just going for the rally, I am going to perform in the street play with my friends. And I am sure, it will work."

"I know it will and I wish you all the best. But," Mom sighed, "I can't help but feel afraid of the big bad world outside."

"It won't work if all parents stop their daughters from stepping out." replied

Devika with a feeling of anger and sympathy. "After all it's not girls who should live in fear, but it is the culprits who should fear the law. And to make this happen the government has to make the laws more stringent. Even the society should support women and fight injustice wherever they see it happen" By this time Devika had started feeling more confident about her street play.

"And it is to pass this message, that my friends and I are performing in the street play." she announced with a spark in her eye. "I am really proud of you my dear." Mom tried to sound confident. "Mom, I am taking a stand against crime, and I won't turn back!" replied Devika.

So what do you think, isn't it high time we take a stand to fight the evils in the society?

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Sayings of Sri Ramakrishna

There are pearls in the deep sea, but you must hazard all perils to get them. If you fail to get of them by a single drive, do not conclude that the sea is without them. Dive again and again and you are sure to be rewarded in the end. So, also in the quest for the Lord, if your first attempt to see him proves fruitless, do not loose heart.

It is the power of Brahman in man that causes the mind & the intellect and the senses to perform their functions; and when that power ceases to act, these also stop work.

A man who spends his time in discussing the good & bad qualities of others, simply wastes his own time. For it is time spent neither in thinking about one's own self nor about the Supreme Self, but is fruitless thinking of otherselves.

Look at the anvil of a blacksmith- how it is hammered and beaten; yet it moves not from its place. Let men learn patience & endurance from it.

He alone is the true teacher who is illumined by the Light of true knowledge.

Money can fetch you bread alone. Do not consider it as your sole end and aim.

The tree laden with fruits always bends low. If you wish to be great, be lowly and milk.

Sayali Nathi, F.Y.B.Com., Div. B.

Body Language

Ashvini Ghatikar (S.Y.B.A)

It is often said "a picture speaks a thousand words". The fact is that only 7% of communication consists of words. The other 93% consists in communication through body pose, gestures and eye movements. Humans send and interpret such signals unconsciously.

"Everybody lies" is a famous phrase; but how can we know when somebody is lying to us? First of all the liar will touch his face, neck and mouth constantly, besides avoiding eye contact. Liars will also blink excessively more than normal. Another sign of cheating is that the eyes will be directed to the right side at the moment of speaking.

Body language is a form of communication that requires no writing or sound to get across things that you think and feel. Body language is prevalent in all humans whether it is conscious or unconscious. People may be totally unaware of it without actually realizing it. Body language is different depending on culture and location as well as spoken language. Yet, gestures and body language are a silent language that help to understand one another.

Gestures and body language communicate as effectively as words- may be even more effectively. For example:- When a person achieves his aim, something good happens in his life and he is very proud he is happy and in this case even if he is not expressing it, a big smile on his face and his gestures speaks out more than a thousand words. Gestures are for the most part, learned before any type of language is acquired. A big smile on baby's face says many

things. It unnecessary and unimaginable for a baby to say, "I am so happy!" when they are obviously grinning from ear to ear.

Anthropologists divide our actions and gestures into three broad categories- the categories are instinctive, coded and acquired. Instinctive gestures are the actions we make unconsciously, such as smiling, whereas unhappy coded gestures are those that have been assigned to certain events such as disappointment. Acquiring the art of reading body language is a useful communication skill. This art can be divided into two basic groups of body language postures; one is reading about it and second one is using it of I can be expressed open/ closed notions and forward/ back. Open/ closed is the most obvious. People with arms folded and legs crossed and body turned away signaling that they are rejecting messages- people showing open hands, fully facing you and both feet planted on the ground are accepting them. Forward/ back indicates whether people are reacting to communication, when they are actively accepting or rejecting the message- when they are leaning back, looking back, looking up at the ceiling, doodling on a pad, cleaning their glasses they are either passively absorbing or ignoring it.

All in all acquiring the art of body language is a useful tool in one's hand by which one can improve his personality and get success in whatever field he wants to enter.

★★★

Better Living Though Chemistry

Amit Likhe, Prashant Kadam (T.Y. B.Sc. Chemistry)

(These are some of those words of which many of our friends are scared. Well, it's not the topic of my article, so please don't be afraid)

Once upon a time, I was sitting in the botanical garden of our college with friends. We were waiting for Tanishq my friend. After a long time, he arrived and we just 'attacked' him! We had to cancel the plan of celebrating Bhagyashree's birthday as 'he' was late. He said that he had to stand in a queue for filling petrol in his bike and that's why he was late. Hell! Then our 'Bored team' walked to the class to attend lectures.

In the lecture, one of my classmates, Yogesh and I were sitting on the bench. During the lecture, he felt thirsty and asked Sanchita for a bottle of water. Yogesh and I emptied the bottle and kept it on the desk. After a while, the bottle fell down making a loud noise. Sir just called our names and said, "Out!". We immediately ran out of the class. Then Yogesh and I went to another classroom, where Yogesh saw Aarati - his crush! And he went with her leaving me alone! I was sad because of the insult in the class. Then I walked towards the Botanical garden and met Sir on the way. He was friendly to us.

He asked "You have not gone for birthday celebrations?"

I said, "Plan cancelled"

Sir asked, "Why?"

I said, "Sir, Tanishq came late and then our plans got cancelled"

Sir asked, "What was the reason?"

I said sadly, "Petrol!"

Sir's specialization is in 'organic chemistry'. He turned his speaker, umm 'Amplifier' on. This was now, the really 'scary' thing - Organic Chemistry.

He said, "Well, there is no option dude. This is a big problem nowadays. Along with being a major cause of air and water pollution, it also causes numerous illnesses. For example, petrol combustion emits sulphur and nitrogen oxides, carbon monoxide etc. These are extremely hazardous,"

I said to sir, "Sir, please tell me the chemistry of petrol" It was necessary to behave sincerely in front of teachers for internal marks. But I also got a lot of information.

Sir said "Look, petrol is actually gasoline with a few additives. It is a transparent liquid which is relatively volatile. It contains organic compounds which are obtained by fractional distillation of petroleum. Nowadays it comes with some percent of ethanol, known as blend petrol. In normal conditions it is liquid state i.e. LPG (liquefied petroleum gas.)

The first automotive combustion engines i. e. two engines were developed in Germany at the end of the 19th century. The fuel for these was hydrocarbons obtained from coal gas with a boiling point around 85°C. Those were good carburetors and people could use less volatile hydrocarbons and use fuel at a higher compression ratio. But this caused the problem of 'knocking'. Later, anti-knocking substances were

introduced especially tetraethyllead (TEL). In 1920, people turned to high octane fuels and then detergents were added to the fuel to clean carburetors. In 1950, the danger of TEL to the environment was realized and then 'unleaded petrol' was introduced followed by blended petrol"

I said, "Sir," I asked "What is the 'chemistry in it'. I don't know yet, what happens when a bike is started?"

He said, "Actually petrol contains various hydrocarbons and a few additives. These substances have negative heat of formation and very high, heat of formation and very high heat of combustion. These substances and their oxides, like hydrocarbons CO₂, Sulphur SO₂, SO₃ are causes of air pollution"

I said "Thank you "

Now I knew that air pollution causes illnesses and skin darkening. And I was a dark boy, but my love was an extremely fair girl. That's why I was very angry with the inventor of petrol and I just decided to find out who that was. But after hard work of about a week, I could not find the answer. I searched for it everywhere, but could not succeed. That was sad. Then once while watching TV, I tuned to an infotainment channel there on the show called 'History of Vehicles' I got the answer.

"In the Middle East countries e.g. Dubai, a grayish black dense liquid oozed naturally from certain locations. The people used it for curing skin diseases. This was very common there and the liquid was called 'Naftar'. For treatment of skin disease, people applied Naftar on the affected areas. Sometimes people used to bathe in it. In certain cases intake was also advised."

This Naftar is nothing but modern crude oil. Some researchers have proved that crude oil can be beneficial against skin cancer and leukemia, so the ancients were clever people. Nowadays, this crude oil does not emerge naturally and so they have to go deep into the earth. As we all know, it will finish very soon. This was the beginning of fuels as well as organic chemistry.

Well I won't like to bathe in petrol at all, but I got an answer to my quotation. Actually my question was wrong. So overall, the causes of today's various problems viz air and water pollution, vanishing energy resources is chemistry

So friends, what is the solution? I think chemistry. That's why – better living through chemistry.

Nowadays we know about the importance of transportation and hence petrol. We have to use bikes and other vehicles but it's close to vanishing. Are there options for petrol? Umm, yes!

BIODIESEL

Nowadays, there are various fuels with respect to the affected environment. One of those is bio fuel. It is a fuel made from biological ingredient instead of fossil fuels. It can be made from corns, soya bean or animal fat depending on its purpose. Biodiesel is one of the forms of bio fuels and it can be made from vegetable oils and animal fats. It can be used as an alternative or additive to standard diesel. It is non-toxic and recyclable. As it is made from vegetable oil or animal fat, it can be replenished by farming. It is indicated by Bxx where 'xx' is percent of biodiesel. For example B30 represents 70% standard diesel fuel and 30% biodiesel. B100 represent pure biodiesel.

So, to know more about this biodiesel, I went to our botany teacher. There are a number of chemical reactions to convert vegetable oil and animal fat into biodiesel. Research is still going on about this. But our botany teacher came with a new term 'Green petrol'. This green petrol was quite surprising.

Greener fuels mean environment-friendly fuels. The important one is ethanol and can be used as an alternative to petrol if necessary modifications have been made in the engine. If not, we can blend 10% ethanol with standard petrol. Above this level, it can damage engines.

GREEN PETROL -

Algal oil is highly viscous, around 10-20 times more viscous than normal diesel fuel. This high viscosity causes problems in combustion, atomization in injector systems of engine. Therefore, it is important to reduce the viscosity of vegetable oil. There are various methods for it viz transesterification, pyrolysis, blending, thermal depolymerisation. Transesterification is more favoured.



An example of transesterification reaction is reaction of methyl acetate and ethyl alcohol to form ethyl acetate and methyl alcohol. Chemically transesterification means taking a triglyceride molecule, neutralizing it and creating an alcohol ester. Methyl alcohol is mixed with sodium hydroxide, it gives sodium methoxide. This liquid is then mixed with vegetable oil. The entire mixture then settles. Glycerin is at the bottom and the less viscous vegetable oil biodiesel at the top.

This all is a part of another horrible subject 'Microbiology' or 'Botany'. Well,

the solution of all these problems is important. Let's take look at hydrogen fuel.

HYDROGEN FUEL

Hydrogen fuel is zero emission fuel. Hydrogen is the first element of the periodic table due to its abundance. As it is light it rises high in atmosphere and therefore is rarely found in its pure state. H_2 hydrogen flame when burnt in air produces H_2O combining with oxygen conventionally for hydrogen fuel, hydrogen is obtained from producer gas that is $\text{CO} + \text{H}_2\text{O}$. Here for hydrogen production, we are dependent on coal. So even though this technique is beneficial, our problem of energy crisis is not solved.

This 'water' is the combustion product of hydrogen. This can emit small amount of nitrogen oxides.

Here the problem is that firms have to produce hydrogen and store it and this creates environmental problems. The energy we can get from hydrogen fuel is less than what we have to use for hydrogen production. Hydrogen is constituent of water (H_2O) and 70% of our planet is covered by water.

Therefore to split water into hydrogen and oxygen is a major issue but we can try this using sunlight. Yet, only plants can do this. Chlorophyll b in plant cells, uses photons from sunlight (light particles) and uses it to split water molecules for producing chemical energy i.e glucose.

So, there are numerous types of fuel and yet more are coming. If problem are created by chemistry the solutions can also be found in it. If not, the future generations will never see petrol.

Reference -

Wiki, Discovery channel Oyelage

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Why ???

Harshwardhan Londhe (S.Y.B.A.- B)

This question is the most destructive question for our minds. For everything that we do, hear, say or react, this question is asked by the mob or by our priceless and wandering minds. The answer for this question may be not known as we hear, say or react to the or in the situation.

They say man is the only animal who thinks and uses his brain to the fullest. Is it so? If the answer to this question is 'YES', then why does he ask questions which one cannot answer? Or is this the question to which there is an answer known to him but not to all.

This question 'WHY?' comes with us from the beginning of our life. To start with, the first cry of the baby when born, is questioned by the relatives, "why are you crying baby?" Isn't that a dumb question? As the baby grows up, 'why?' becomes his daily question. First day of school, which is supposed to be a most memorable day for the kid and his parents is made more memorable when the teacher asks the crying child, "Why are you crying? You are a big boy." This question actually boosts up the energy in the child. Further questions like, "Why are you driving fast?" and many such pestering questions follow the child throughout his life.

Last Friday, I went for a movie with my friends. The actress in the movie asked her boyfriend, "Why do you love me?" and the actor is numb for some time and then gives a huge explanation. I still wonder if the answer was real or fake.

For me this question is really a headache. Mom asks, "Why are you late to return from college?" or dad asks,

"Why do you spend so much?" or sister asks, "Why do you use my cell phone when you have your own?" but still this question really moves on with me and now I am actually addicted to this.

So, "Why turn pages when you can read the whole thing at one go?"

★ ★ ★

Do not be afraid of a small beginning, great things come afterwards. Be courageous. Do not try to lead your brethren, but serve them. The brutal mania for leading has sunk many a great ship in the waters of life. Take care especially of that, i.e., be unselfish even unto death, and work.

Have faith that you are all, my brave lads, born to do great things ! Let not the barks of puppies frighten you - no, not even the thunderbolts of heaven - but stand up and work !

Was it ever in the history of the world that any great work was done by the rich ? It is the heart and the brain that do it ever and ever and not the purse.

Money and all will come of themselves, we want men, not money. It is man that makes everything, what can money do ? - Men we want, the more you get, the better.

Men are more valuable than all the wealth of the world.

- Swami Vivekananda

Android v/s iOS : Fight of Technologies

Ruchira Pokhriyal (S.Y. B.Sc. Computer Science)

In this electronic age, we see ourselves being transformed more and more into the form of information moving towards the technological extension of consciousness. Since years, uncountable technologies have been developed by scientists and gadget developers. These technologies have changed our lives in a big way and have reduced manual work. People use different gadgets connected with PCs, mobile phones, laptops, palm pilot etc. Internet itself is an example of evolution in technology!!

In a world where mobile technology is thriving and prospering, it can be very difficult to figure out which technology is the best for us. However, the invention of the **ANDROID OPERATING SYSTEM** has solved this problem!

Operating system:

- An operating system is a system that runs on a mobile phone or a computer. For eg : A PC runs windows 7, whereas a Mac runs iOS. Today there are only a few operating systems that are thriving. These operating systems are Android OS and iOS.

Android OS is much better than iOS.

HOW IT STARTED:

- Android OS was bought by Google in 2006. Android is a Linux based OS which is designed mainly for touch screen devices and tablets. It is programmed in C, C++ and JAVA. It's open source software.
- On the other hand, iOS is Apple's mobile operating system, developed and distributed by Apple Inc.

Originally released in 2007 for iPhone and iPod touch, it has been extended to support other Apple devices such as iPad and Apple TV.

DIFFERENCES:

There are many differences between Android and iOS. Different users use different types of operating systems. For example:

- Typically Android users tend to be younger people and elders. Whereas iOS users (used to be) business workers.
- Recently there has been a shift of power between Android and iOS, and now Android is starting to come out on top.

VERSATILITY IS A MUST:

One major difference between Android and iOS is their versatility.

- Android phones have many different manufacturers and carriers. It's not the case with iOS.
- Android OS and iOS have different sources for their operating systems.
- Android OS uses an open sourced system but iOS is a closed source OS and hence, it's quite difficult to "jail break" (i.e. source code is not easily available in case the user has to make desirable changes in the code according to his/her requirements.) and can cause serious problems for your product.
- While many people notice that iOS has more apps than Android, Android's apps, while fewer, are mostly free.

- Overall, Android has more free apps than iOS does. Android OS makes it very easy for a product to remain secure.

FUTURE SCOPE:

Android's future looks bright. While Android can be seen as the underdog, it's definitely not going away anytime soon.

Unlike iOS, Android OS is an amazing OS which allows the customers to have many choices in version number, phone type, apps and security. With android, the user gets choices, not just a big company name! Android really is superior to iOS and is only getting better!!

★ ★ ★

Thoughts at the horizon

*On the shore, the sunny sky,
transforming into twilight,
Sitting under the holy sky,
I was watching the horizon.
A thought crossed my mind,
People call the presence of sun,
and moon together as twilight,
But the real meeting of sun
and moon is called an eclipse.
No justification from my mind.
Again I started thinking.
On one side I could see
the beautiful waves,
On the other I could see
the regretful condition of the shore,
The puzzle remained unanswered
The waves pounding on the shore,
the smell of the wet sand
arousing nostalgic feelings.
The castles of the wet sand
a witness to the creativity of
The children and the human race.
Again I started thinking,
The creativity of mankind,
Transformed into destruction.*

*The destructive mankind,
Still not bothered,
Still being self-centred
The shore shrouded with
garbage all over itself.
The mankind unaffected
thinking just for itself.
If question came, "Who
gave us this permission?"
We can't live without nature,
but nature is capable enough
of living without us
Good morning! Its enough,
We should raise our voice
and fight for mother nature
We have grown up in
nature's lap and one day
we will end our life in
nature's lap, and till that day,
we should take care of nature
and respect her, it will benefit us!
On the shore, the sunny sky,
transforming into twilight
Sitting under the holy sky,
I was watching the horizon*

- Karan V. Sedani

Determination : The Oxygen to Success

Parth Vitekar (F.Y.B.Sc. 'B')

The large army of Napoleon Bonaparte was marching towards its destination. Then, in the way, there appeared the highest mountain range of Europe- the mighty Alps. Seeing this, the army hesitated to go further and came to a halt. But Napoleon was not a man to be stopped by such obstacles. He encouraged the army by saying "Alps is not there at all" and infused vigour and determination in them. The army crossed the mountain range within a matter of short time.

Napoleon often used to say- impossible is a word to be found in the dictionary of fools. Although he was not able to achieve what he dreamt of, yet he did in his age many miracles, which were considered impossible and history stands as its proof.

As oxygen is essential to sustain life, determination is needed to attain success. If you have a strong determination nothing can stop you from reaching your destination. Christopher Columbus had a very firm desire to discover a sea route to India. During the course of his voyage, he ran out of food and water. His crew was demoralised. Home sickness, sea sickness, various diseases, hopelessness to find land had plagued his entire ship. The men prayed on their knees before him. But that didn't melt his heart neither did it shatter his hopes. He kept on saying "sail on! sail on!" At last, although he couldn't reach India, he discovered a completely alien and isolated land, today known as America.

It was only the trust in their captain and the determination in his eyes that kept the crew alive and hopeful.

If you are hell-bent upon doing something and some obstacle comes in

your way, it is the test of your courage and determination. Take it in the right spirit and tackle it. You might not succeed in your first attempt, but do not get discouraged and let a sense of inferiority prevail in you. Instead, you must learn from mistakes and try to eliminate them from your next attempt.

Thomas Alva Edison was so determined about his invention that even after people criticised him for his failure, he just calmly replied "I didn't fail, I just found out a thousand ways for not doing it."

When you take some decision, do not feel uncertain about what you have decided is right or wrong since that would downcast your self-confidence and determination. If you run after with determination, it is natural that for some time it would appear dull and joyless since you have to devote all your time in it. For instance, the success you would get after skipping your play hours for studies when your friends do the opposite would be overwhelming because you would know that you deserve it. But for this you have to give up on some happiness.

Being a failure is not a crime, but of course aiming at a small target is a crime. You should be highly ambitious and achieve great things in life. You should be an example to people showing that everything is accessible in the world through effort, dedication and determination. Remember the words of Joel Howes, "Aim at the sun and you may not reach it. But your arrow will fly far higher than it aimed an object on a level with yourself."

If you want to have success in any of the fields, you ought to have a strong determination. Let it be getting up early, participating in any debate or leading a team to victory. Even if you have the ability to do something, you can't do it unless you have strong determination. You must have an idea of your capacity before deciding to do something. Strong determination is totally meaningless unless you are resourceful. There is no point in doing something when you don't have means to achieve it. For example, if you decide to ride with your friend on a punctured bicycle, you will get your tyre rims deformed and nothing more.

According to Walter Scott, for all the lazy and coward, everything is impossible to do because they always prefer to shirk responsibility to others giving some excuse. Their condition is like an undertow which can never flow without the river. But those willing to take responsibilities are like those deep oceans which are never content with their achievements. This should be the philosophy of our life "be content with what you have but never be content with what you are."

You must believe in luck rather than badluck. It is a psychological fact that when you're determined to achieve a goal, you develop a faith in your goal and a confidence in yourself. It is, therefore determination that will ultimately lead you to success.

Our nation will progress only if we are determined for the progress. After all as Albert Einstein said - "The strength of the constitution lies entirely in the determination of each citizen to defend it. Only if every citizen feels duty bound to do his share in this defense are the constitutional rights secure."



Loneliness

*Loneliness can be one's best friend,
Loneliness can be one's best enemy,
Loneliness saves one from evil spirits,
Loneliness kills one's charming personality.*

*Loneliness was once my enemy,
It once gave birth to rudeness in me,
It killed my inner conscience,
It made me selfish!*

*Loneliness can destroy one's mind,
It kills the innocence in one,
It makes one enter the evils world,
Loneliness could be a poison for one's life!*

*Loneliness is now a friend to me,
It teaches me to be independent,
It makes me stand on my feet
It gives me strength!*

*Loneliness is the medicine for emotions hurt,
it knows what my heart really wants,
it is not easy to accepted by one,
but it is a best friend to one,
it give one satisfaction of mind!*

*Loneliness brings light in one's life,
Loneliness brings darkness in one's life,
Loneliness shows the path towards God,
It helps you better than friends who
betray!*

Darshini Dave
(F.Y.Bcom- A)

Mind Management

Prachi Dhiwar (S.Y.B.A)

“Mind is a monkey riding on the donkey of the body in the circus of life.”

As the thoughts, so the mind. As the mind, so the man. As the man, so the world. Human mind today is completely out of control, flowing in all directions. Our primary attempt should be to prevent the flow spreading in all directions by controlling, harnessing and regulating it.

A change in thoughts can be effected by three methods:

- Reducing the quantity of thoughts,
- Improving the quality of thoughts,
- Giving a noble direction to the thoughts.

They are declared in Hinduism by the four well known Yogas called the Karma, Bhakti, Jnana and Raja Yogas respectively.

- Karma Yoga** is selfless activity dedicated to a selfless cause. It is inspired action, not mere work or labor. It is to love the very work at hand. In absence of anxiety for results, the quantity of thoughts reduces.
- Bhakti Yoga** is devotion- love directed towards the divine. The quality of thoughts improves through worship of the divine, by adoring the noble ideals representing the idols.
- Jnana Yoga** is to turn one's attention from the seen to seer. It is to change the direction of seeking. Till now one was seeking happiness outside. Now, one seeks it within oneself.
- Raja Yoga** helps one to control the mind through the control of the body and breath.

These four Yogas prescribed in Hinduism cater to the entire cross section of humanity. These enable man to master his mind and mastery of the mind is mastery over the world.

“Win the mind. Win the World.”

Source : 'Awakening Indians to India' - A Chinmaya Mission Publication

★★★

Examinations

Examinations, examinations!
Are one of the major tensions
That every student mentions;
Some make planned preparations
And some make, Last minute revisions;
The number of subjects itself,
Halves our respiration
Chemistry with its equations,
Physics with its derivations,
Sanskrit with its translations,
Everything constitutes to a big confusion
It's a wonder why we do not end up
In a mental institution
Parents play a good role during these situations;
In the initial stage, they give us inspirations,
Later, some show appreciations,
Some give consolations,
And some undergo huge explosions;
But I'm really cool in attending an examination;
And before getting the results, I'll make sure that
I'm out of station for a very long, long vacation

- Riddhi Joshi

T.Y.BSc. (Computer Science)

You are the creator of your own life

Sudarshan N Sonawane (S.Y.B.A)

Creation is an important aspect of human life. People create many variable things in their lives. Actually creation is the art of knowledge, attitude and thinking power. A pot-maker makes pots from mud, a painter makes paintings by combining colours, a poet creates poems from words. Similarly, the creation of meaningful life is also a part of the same process. Everyone needs to start from zero. Many people think that it is belief and faith in God which promotes creation through humans. But I have a firm belief that it's only a degree of hard work, determination and making use of opportunity which determines the creation of humans.

When you create a thing that you have always desired, that is real success. But as we all know, creation is not always up to the mark. There might be failure sometimes. Then what is the cause for failure? What really is the main difference that lies between success and failure? The main reason is our supplementary requirements. There is little difference between people and attitude, which makes a big difference.

Attitude is the bridge which joins the gap between two distant places. One, where you are, the other where you want to be one never knows how far these two lie from each other but attitude makes it possible. Before considering attitude, we need to be more comprehensive because attitude has two sides positive and negative. Positive attitude is the prime requirement for a meaningful creation of life. Positive thinkers see the invisible, feel the intangible and achieve the impossible. So think positively. Finally

what you think is what you get.

With a positive attitude one must work hard with determination. One should dream for a big and supreme goal, which demands hard work, which demands determination and sacrifice. Happiness doesn't come from doing easy work but from the afterglow of satisfaction that comes after achievement of a difficult task. It demands our best and it is accomplished by one's hard work only. Happiness is the topmost point of creation and success. Hard work is guarantor of success. It's like a staircase and luck is like a lift. Lift may fail sometimes but whatever maybe the occasion stairs will always get you to the top. Luck might help. Success doesn't come only by intelligence. It's a crown for those who pursue hard work with full devotion towards the aim. Striving for success without hard work is like trying to harvest where you have not planted. So, hard work is the most important need in the list of requirements for success.

Last but not the least, the requirement is to make use of opportunity. As you already know one can't alter one's past or future but what you know is what you are creating today. Don't see what lies in distant places but see what lies at hand. Every day comes with a new opportunity. Therefore, for great achievement, we must use each and every opportunity, no matter whether it's small or big. Take care of small things and big things will fall into place. So believe in yourself. You can if you think you can and be the creator of your own life.

★ ★ ★

Report on Industrial visit to Simply Delicious

Pranita V. Deshpande (T.Y.B.Com. 'C')

Like every year, this year also our college had arranged for an individual visit to 'Simply Delicious' bakery as a part of a study in Cost & Works Accounting. We were 30 students alongwith our Professor Dr. Rahane on the visit.

We visited the bakery on 15th of January 2013. We took a PMPML bus to reach till Bavdhan highway. From there we walked down 2 kms. for about 20 minutes to reach 'Simply Delicious Bakery' on Bombay-Banglore highway. On reaching there Ms. Julie guided us for the short visit in & around the bakery. Later, she gave us information about the bakery. She said that Rajshree Jangle the owner of the bakery started it around 20 years ago. Initially, it was situated near Garware college, on Karve road; but a few years back they shifted to the Bombay-Banglore highway at Bavdhan. She handles the daily order & large orders during festive seasons.

The employees are hired on simple criteria of their willingness to work & be creative & take initiative in new ideas. The bakery runs continuously as it is run on shifts. The morning shift is from 6 am to 2 pm, the second shift 2 pm to 6 pm & the third shift from 6 pm to 6 am. They bake 300-400 cakes daily & decorate atleast 100 of them & keep for icing.

The cakes are the major products & bread, cup cakes & muffins are joint products. The cleanliness is very impressive. Employees are very creative cakes. The overall working of the bakery is very efficiently done. They have storage facilities for raw materials. Waste is also prop-

erly discarded. They maintain every record of material purchased & consumed per day. Since bread needs very high temperatures for baking, they first bake brownies, cakes, cup cakes, muffins & cookies & lastly bread.

The delivery & transport facility of the bakery is also managed very well. The delivery van is sent 3 times a day at particular timings. Due to efficient management, the bakery earns 7% & more profits. October to January is the peak season to earn profits due to Diwali, Christmas, New year.

The enterprenuer, Rajshree Mam is a very good example of really managing the business with good co-ordination & co-operation. We enjoyed the visit since we got to know costing techniques and also practical experience of how an organisation has to work.

This visit has enlightened us and we are grateful that our college gives us such opportunities of live experience with working organisations.

★ ★ ★

*Education is the
manifestation of the
perfection already in man.*

*Religion is the manifestation
of the Divinity already in
man.*

Swami Vivekananda

Big Data , A Problem ?

Arvind Ramkumar (MCA Science – Part I)

Today in this modern era of computers , we tend to use computers in almost every walk of life . Earlier any sort of transaction was carried out manually, but today everything is computerized, eventually leading to the tremendous collection of Data from all the streams. This tremendous amount of data either processed or raw in form is known as the BIG DATA.

It has been observed that the world famous search engine GOOGLE processes around 20 PB (PetaBytes) of data every day, the famous social networking site FACEBOOK processes around 30+ PB of user generated data , as per the sources there exists around 2.7 ZB (ZetaByte) of digital data in the universe . These data form the fundamentals of BIG DATA. They basically include data sets whose type and size make them impractical to process and analyze with traditional database techniques .

The old database techniques are rendered useless as the velocity of processing them doesn't match to the velocity of data collection. The new techniques like APACHE HADOOP , NOSQL (Not Only SQL) database management systems , prove to be a helping hand to solve this problem as they match to process the data sensitively and with great decrease in the volume of execution period .

According to the 2012 reports , the Obama administration announced The BIG DATA Research and Development initiative , which would explore the issue and could be used to address important sectors that are facing the crisis of data .

INFOSYS has also launched the BIG DATA EDGE to analyze the BIG DATA.

Skilled man power to manipulate data and help in the dissection of the BIG DATA problem is the need of the hour. Within a few years the field of exploring BIG DATA will flourish and eventually the problem will prove to be a "BLESSING IN DISGUISE" for humans. It's up to us to look at it as an problem and worry or to take it as an opportunity to prove ourselves in developing remedies against it and flourish .

★ ★ ★

Sometimes Somewhere...

Sometimes in life we feel so blue,
but someone somewhere is not happy
as you...

Somewhere far away at the border
when a soldier sleeps,
missing his loved ones he silently
weeps...

Somewhere a mother painfully sighs,
because her new born didn't open her
eyes...

Somewhere a poor dad silently cries,
when he sees his son begging for a
bowl of rice...

Somewhere in an orphanage a little
girl is sad,
when she misses her mom and dad...
So...

At times a reason to smile,
you may not have any say to yourself
you are happy than many...

Because this life is beautiful and
it's not always blue and
somewhere someone is not as
happy as you....!!!

Samruddhi R. Parte, S.Y.B.A.

Visit to 'Gowardhan'

Report by : Kirandeep Mann, Dasharathsingh, Abhilasha Wagh

On Friday 15th February, 2013, We students of class T.Y.B.Com 'B' went for a very interesting industrial visit to 'GOWARDHAN' under the eye of our Respected Sir Prol. Vijay Gaikwad. This visit was organised by Prof. Vijay Gaikwad with his supporting class co-ordinators (Abhilasha Wagh, Dasharath Singh, Kirandeep Mann and Vikram Gawade)

We left from our college around 8.00 a.m. in the morning, we arranged tour by Bus. There were total 35 students. It was very interesting to visit and see such place of which we consumed our daily eatable products. All students were very excited. We continued the journey for 1-1/2 hour and around 9.30-9.45 a.m. We had the Breakfast. After our breakfast we again carried ourselves towards our goal and destination

While travelling we came across many beautiful and interesting places and Sir was providing us information about different places.

We reached 'Gowardhan' around 11.00 am. It was a huge factory and production house placed in beautiful place known as 'Manchar'. Our colleague's mother was the head incharge who granted us such great opportunity.

We were first welcomed by the girl "Madhuri" she was our tour guide. She first showed us a power-point presentation which gave us briefing about what exactly 'GOWARDHAN' is all about. This presentation and proceeding was till 1.00 p.m. (2 hours). In that PPT we saw all the machines, processing method visually. After visualization we were taken to each and every part of factory where

cheese is made, how is processed, different types of machines, cheese, paneer and all other products production process. We saw around 8-9 different huge machines used for processing of cheese and other consumable product. To see all these things was so interesting and knowledgable that around it was 2.00 p.m. when we all were taken for lunch in canteen of 'GOWARDHAN'. It was very hygeinic and good place with very tasty food. After having our Lunch we were instructed to go to our bus because we had to watch the originating place of where exactly milking is done and is provided to GOWARDHAN i.e. also known as 'Parag Milk and Milk Products'.

This place was known as 'Mahalaxmi Cow Farm'. There we reached at 3.30-3.45 p.m. as it was located around 15 to 20 kms. far. We went and saw there were around more than 3500 cows with the breed of Denmark. They all were serially numbered and had sensors on the belts in neck. The milking process use to start and music used to be played for them. They knew automatically when to come and leave. After every few minutes water sprinklers were used to get activated so cows remain in cool temprature. They all were medically checked and examined. Milk of these cows is known and sold by the name of 'Pride of Cows'. It is the most expensive milk in India. This milk is not available in stores, we need to order it online. This milk is ordered by celebrities.

Afterwards we went back to 'GOWARDHAN' at 5.00 p.m. Snacks were arranged for us. Then Prof. Vijay Gaikwad and student Kirandeep Mann

gave a vote of thanks to the whole team of 'Gowardhan' especially 'Mrs. Wagh'. Then we left around 5.45 p.m.

We reached our college at 8.00 p.m. It was very interesting and knowledgeable visit that helped students to know what is agromarketing.



Questions

What does it matter if I wear my shoes in?
Besides, what will you clean if I don't make a mess?
What does it matter if the windows are shut;
the candle light flickers in the little breeze that still enters.
What does it matter if I've left the lights on;
it's not like anyone cares that anyone's home or whose left.
Does anyone hear the sound of a tree when it falls?
What existence is so massive that memories reboot:
The touch once felt,
the smile caught culpable,
the glance once unstated,
the walks on the disheveled road
the hours of chatting into the night,
the worries worried together?
Will it be such a tragedy if I died and you lived along?
If existence so easily wiped out like writings in the sand washed away by a frail wave.
Does life mean mere heart beating?
Faking smiles,
Following responsibilities to the note,
Marching to the beat of calendar,
watching life pass by as an outsider to your own life.
Looking in from the closed windows,
hoping to breathe out and extinguish the last flickering light from the wax left that someone behind.

Shruti Bhatt (M.A. English- Part 2)

Call to the builders of the Nation

Be patriots, love the race which has done such great things for us in the past.

My brave boys..... Nothing else is necessary but these - Love, Sincerity and Patience. What is life but growth, i.e., expansion, i.e. live ? Therefore all love is life, it is the only law of life, all selfishness is death, and this is true here or hereafter. Even if there is no hereafter, it is life to do good, it is death not to do good to others. Ninety percent of human brutes you see are dead, are ghosts - for none lives, my boys, but he who loves. Feel, my children, feel for the poor, the ignorant, the downtrodden, feel till the heart stops and the brain reels and you think you will go mad - then pour the soul out at the feet of the Lord and then will come power, help, and indomitable energy. Struggle, struggle was my motto for the last ten years. Struggle, still say I. When it was all dark I used to say, struggle, when light is breaking in, I still say, struggle. Be not afraid, my children. Look not up in that attitude of fear towards that infinite starry vault as if it would crush you. Wait ! In a few hours more the whole of it will be under your feet. Wait, money does not pay, nor name; fame does not pay, nor learning. It is love that pays; it is character that cleaves its way through adamant walls of difficulties.

Three things are necessary to make every man great, every nation great :

- 1. Conviction of the powers of goodness.*
- 2. Absence of jealousy and suspicion.*
- 3. Helping all who are trying to be and do good.*

- Swami Vivekananda

Ten Components of Collaborative Intelligence

Riddhi Joshi (T.Y.BSc. + Computer Science)

We all know about IQ (Intelligence Quotient) and even EI (Emotional Intelligence), but very few people know or seem to deal with CI or Collaborative Intelligence.

Collaborative Intelligence Concepts

IQ is a way, through testing, to measure intelligence (if it does that accurately is another story), EI measures emotional intelligence, so what does CI measure?

Emotional Intelligence is about recognizing and managing your emotions. It is made up of 4 components.

- * Self Awareness

- * Self Management

- * Social Awareness

- * Relationship Management - developing others, serving as an inspiring leader and catalyst for change, collaborating with a high performing team and managing conflict are part of relationship management.

The relationship management piece of EI is closest to collaborative Intelligence (CI), but encompasses a bit more. It is made up of 10 components.

1. Willingness to Collaborate :

You are willing to engage with others for mutual benefit, or to help to get to a specific goal.

2. Willingness to Share :

Usually people come across "knowledge hoarders" in the field of knowledge management. There are people who believe that their value is their knowledge (often hard-won knowl-

edge), and to share it would diminish their value.

3. Knowing how to Share :

Discussing about knowledge through e-mails or in terms of message is not the most appropriate medium. It is understanding the amount of knowledge and experience that we all trying to convey. But almost of 80% of the information and their actual contents we get to know when we meet them.

4. Knowing what to Share :

How much TMI (too much information). Is there enough common context of shared meaning to be conveyed?

5. How to build trust

One of the ways trust builds through being vulnerable and sharing. Also being consistent in your words and behavior and following through on what you promised helps with trust.

6. Understanding Team Dynamics

The ability to understand the dynamics of their teams is critical for success.

7. Hubs, Bridging in Networking

Are you a "Hub, bridge or networker?" A hub is someone whom everyone talks to, a bridge is a person that connects two or more groups that don't normally interact with each other. A network is someone who really works a room. They chat with everyone, know a bit about each person they talk to and often create

mutual relations, Bridger act like translators between two people to enable as well as understandable conversation.

8. Mentoring and Coaching

I see the role of coach is helping to guide someone through a process to a goal. Mentoring is bit different. It is the willness to share knowledge and experiences with someone who requests.

9. Open to new ideas

There are people who say "this is the process, it is the way we do it, and will continue to do it". Here new ideas

will not be invented. Flexibility is the thought which is critical for collaboration. Things never turn out the way you expect and you need to be flexible enough in your thinking to adapt to any changes that come your way.

10. Tools and Technology

Although these form 20% of the solution, they can often be the critical enabler for communication and understaning the other person's meaning and understanding what type of tool is the correct medium for a type of communication.

★★★

Boiling Water Can Charge Your Mobiles

Ashish. A. Ambre (T.Y.BSc - Computer Science)

Do you think the title makes any sense, is that possible?...

Yes it is possible. A Japanese company has introduced a cook-pot that can charge your mobiles by boiling water in it.

But how does it work? This cook-pot has strips of ceramic thermo-electric material. This material generates electricity from the temperature differentials between 550° C at the bottom of the pot and water boiling at 100°C in that cook-pot. With boiling water this cook-pot can charge your iPhone within 4-5 hours (according to the company). So you can cook your food and charge your mobile simultaneously.

This cook-pot will work regardless of the time of day and weather, which we cannot do with solar panels as they work only in presence of sunlight. During night or the winter season people light up campfires to keep themselves warm but now they can charge their mobiles while enjoying the warmth of thecampfire.

This thermo-electric cook-pot is able to convert heat from boiling water into electricity which can be fed to USB port which in turn charges your Smart phones, music players and Global Positioning Systems.

★★★

Nobel Awards and India

Ambekar Arun Rangnath (T.Y.B.Sc. - Chemistry)

The Nobel prize is an annual, international prize awarded since 1901 for achievements in Physics, Chemistry, Physiology or Medicine, Literature and Peace. The award was constituted according to the desire of Alfred Nobel, a Swedish chemist & inventor as was evident through his will. Alfred Nobel was best known for his invention of 'Dynamite', the invention for which few proclaimed him as 'The Merchant of Death'. Nobel was deeply disappointed by it and signed this last will and testament to set aside the bulk of his estate to establish the Nobel prizes, to be awarded without distinction of nationality.

In 1968, Suerings Ricksbank (Sweden's central bank) established the prize in Economic sciences in the memory of Alfred Nobel, founder of the Nobel prize. An associated prize in Economic has been awarded since 1969.

Nobel Laureates related to India-

Ronald Ross- Ronald Ross, born in Uttarakhand, Almora, India in 1857, was awarded the Nobel prize in Physiology or Medicine in 1902 for his work on 'Malaria'. He received many honours in addition to the Nobel prize and was given honorary membership of learned scientists of most countries of Europe and many other continents. He got an honorary M.D. degree in Stockholm in 1910 at the centenary celebration on the Caroline Institute.

Rudyard Kipling - Rudyard Kipling, born in Mumbai, 1865 was awarded the Nobel prize in literature in 1907. He remains the youngest every recipient of Literature Nobel prize and the first English language writer to

receive prize. His published books are Departmental Ditties (1886), Plain Tales from the Hills (1888). Soldier Three (1888).

Rabindranath Tagore - Rabindranath Tagore (7 May 1861-7 August 1941) also known as 'Gurudev' was a Bengali polymath who reshaped his regions literature and music. Author of Gitanjali and its 'Profoundly sensitive, fresh and beautiful verse', he became the first non-European to win the Nobel prize in literature in 1913. His novel, stories, songs, dance-dramas and essays spoke about topics-political and personal 'Gitanjali', 'Gara' and 'Ghare-Bhaire' are his best known works. His composition was chosen by two nations as their national anthem. The India's 'Jana Gana Mana' and Bangladesh's 'Amar Shonar Bangala'.

C. V. Raman - C. V. Raman was born at Thiruvanaikaval, near Tiruchirapalli, Tamilnadu and awarded the Nobel prize in Physics in 1930 for the effect named after him. Sir Chandrashekhara Venkat Raman was awarded the Nobel prize for his work on 'Acoustics and Light'. He was also deeply interested in physiology of the human eye. A traditionally-dressed man, he headed an institute that is today named after him. The Raman Research Institute, Bangalore.

Mother Teresa - Mother Teresa was awarded the Nobel prize for peace in 1979 in recognition of her work. 'In bringing help to suffering humanity'. Mother Teresa's real name was 'Agnes Gonxhe Bajaxin' (1910-1997) was born in Skopje, then a city in Ottoman Empire. She was a Roman catholic nun of

Albanian origin and Indian citizenship. She founded the Institutional order of 'The Missionaries of Charity' whose primary task was to love and care of those persons nobody was prepared to love. For years in the slum of Kolkata, her work centred on caring for the poor and suffering, among whom, she herself died.

Amartya Sen - Amartya Sen was awarded the Nobel prize in Economic science in 1998 for his 'contribution to welfare economics'. He has many key contributions in this field, such as the 'axiomatic theory of social choice', the definition of 'welfare and poverty index and the empirical study of famine', all are linked by his interest in distributional issues and particularly in those most impoverished.

Hargobind Khorana (1922-2011) - Hargobind Khorana, a person of Indian origin, shared the Nobel prize in Physiology or Medicine for his 'interpretation of the genetic code and its function in protein synthesis', with Robert W. Holley and Marshall W. Nirenberg. He had left India in 1945 and became a

naturalised United States citizen in the 1970s. He continued to head a laboratory of the 'Massachusetts Institute of Technology (MIT) in the United States, until his death in 2011.

Subrahmanyam Chandrashekhar - (10 October 1910-21 August 1995) - Chandrashekhar was born in Lahore, Punjab, British India in a Tamil Family. He shares a Nobel prize in physics in 1983 for 'The theoretical studies of the physical processes of importance to the structure and evolution of star' with William Alfred Fowler.

Venkatraman Ramkrishnan (1952) - He is an Indian born American and British structural biologist who shared the 2009 Nobel prize in chemistry with Thomas A. Steitz and Ada E. Yonath, for studies of the 'structure and function of the Ribosome'. He currently works at the MRC Laboratory of Molecular Biology in Cambridge, England. Venkatraman was knighted in the 2012, New Year honour for services to 'Molecular Biology'

★★★

Well, you consider a man as educated if only he can pass some examinations and deliver good lectures. The education which does not help the common mass of people to equip themselves for the struggle for life, which does not bring out strength of character, a spirit of philanthropy, and the courage of a lion - is it worth the name ?

Real education is that which enables one to stand on his own legs. The education that you are receiving now in schools and colleges is only making you a race of dyspeptics. You are working like machines merely, and living a jellyfish existence.

Source : Swami Vivekananda : The Friend of All
The Ramakrishna Mission Institute of Culture, Kolkata

Mathematics - Past to Present

Pratul V. Gadagkar

(Assistant Professor in Mathematics)

Rohan K. Gawade

(Assistant Professor in Mathematics)

Mathematics is the abstract study of topics encompassing quantity, structure, space, change, and other properties. It is said that Mathematics is the gate and key of Science. Primarily mathematics is a way of thinking, a way of organizing a logical proof. As a way of reasoning, it gives an insight into the power of human mind, so this forms a very valuable discipline of teaching-learning programs of school subjects everywhere in the world of curious children. According to the famous Philosopher Kant, "A Science is exact only in so far as it employs Mathematics". So, all scientific education which does not commence with Mathematics is said to be defective at its foundation. Neglect of mathematics causes injury to all knowledge.

The study of mathematics as a subject in its own right begins in the 6th century BC with the Pythagoreans, who coined the term "mathematics" from the ancient Greek (*mathema*), meaning "subject of instruction" Greek mathematics greatly refined the methods (especially through the introduction of deductive reasoning and mathematical rigor in proofs) and expanded the subject matter of mathematics. Chinese mathematics made early contributions, including a place value system. The Hindu-Arabic numeral system and the rules for the use of its operations, in use throughout the world today, likely evolved over the course of the first millennium AD in India and was transmitted to the west via Islamic mathematics. Islamic mathematics, in turn, developed and expanded the mathematics known to these civilizations. Many Greek and Arabic texts on mathematics were then

translated into Latin, which led to further development of mathematics in medieval Europe. The earliest uses of mathematics were in trading, land measurement, painting and weaving patterns and the recording of time. Egyptians began using arithmetic, algebra and geometry for taxation and other financial calculations, for building and construction, and for astronomy. The systematic study of mathematics in its own right began with the Ancient Greeks between 600 and 300 BC.

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The oldest extant mathematical records from India are the Sulba Sutras (dated variously between the 8th century BC and the 2nd century AD), appendices to religious texts which give simple rules for constructing altars of various shapes, such as squares, rectangles, parallelograms, and others. The next significant mathematical documents from India after the *Sulba Sutras* are the *Siddhantas*, astronomical treatises from the 4th and 5th centuries AD (Gupta period) showing strong Hellenistic influence. They are significant in that they contain the first instance of trigonometric relations based on the half-chord, as is the case in modern trigonometry, rather than the full chord, as was the case in Ptolemaic trigonometry. Through a series of translation errors, the words "sine" and "cosine" derive from the Sanskrit "jiya" and "kojiya".

Aryabhata (476–550 CE) was the first in the line of great mathematician-astronomers from the classical age of In-

रियालिटी शो के सामाजिक परिणाम

दिपाली रा. राऊत

आज के जीवन में रियालिटी शो एक अनिवार्य हिस्सा हो गया है। ये शो अलग-अलग प्रकार के होते हैं। इनका प्रसार शहरों में अधिक है। ये अक्सर शनिवार-इतवार को होते हैं, जिसमें गाना, नृत्य या हिंसा के खिलाफ लड़नेवाले शो होते हैं इसलिए छुट्टी के दिन भी लोग टि.व्ही. से चिपके रहते हैं। इससे मनोरंजन तो होता है परंतु आँखें दर्द करती हैं, उसका क्या?

युवा पीढ़ी पर इस प्रकार के शो का जबरदस्त प्रभाव देखा जाता है। उनका अधिक से अधिक समय इसीमें जाता है। ऐसा ही होता रहा तो देश के भविष्य का क्या होगा?

छोटे बच्चे भी इनके प्रभाव में आकर पढ़ाई से दूर होते जा रहे हैं। इन शो का परिणाम कुछ अच्छा भी होता है, कुछ बुरा। जैसे गाना या नृत्य की प्रतियोगिता में हिस्सा लेने वाले हारनेपर जीवन के प्रति नाराज होते हैं उसका परिणाम कुछ भी हो सकता है।

रियालिटी शो से फायदा होता है सिर्फ मीडिया को। कभी-कभी बच्चे शो जैसी हरकते करके परिवार को मुश्किल में डालते हैं। वैसे तो टि.व्ही के कारण बच्चों का मैदान में खेलना बंद हो रहा है। वहाँ की स्पर्धा कुछ अलग ही रूप लेती है। हारा हुआ व्यक्ति जीवन में सबकुछ हारता है।

रियालिटी शो के कारण परिवार का वातावरण बिगड़ रहा है। बच्चों को अपने आसपास की कुछ खबर नहीं रहती। परिवार के सदस्यों के स्वाभाविक रिश्ते नाटकीय बन रहे हैं। अपनत्व, प्रेम यह भावनाएँ मिट रही हैं।

रियालिटी शो में जो भाषा इस्तेमाल की जाती है वह भी अशुद्ध होती है। इस प्रकार भाषापर भी इसका गलत परिणाम हो रहा है। इसमें दिखायी जानेवाली वेशभूषा और कुछ दृश्य भडकिले हैं।

इसप्रकार के रियालिटी शोज के बारे में गंभीरता से सोचना आवश्यक हो गया है। ये हमारी भारतीय संस्कृति पर कलंक लगा रहे हैं। इन्हें बंद करना यह इस पर उपाय नहीं है, बल्कि उनमें कुछ सुधार आवश्यक है।

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भारत बनाम इंडिया

भारत में गांव है, गली है, चौबारा है।
इंडिया में सिटी है, मॉल है, पंचतारा है।
भारत में घर है, चबुतरा है, दालान है।
इंडिया में फ्लैट और मकान है।
भारत में चाचा है, चाची है, दादा-दादी है।
इंडिया में अंकल-आंटी की आबादी है।
भारत में खजूर है, जामून है, आम है।
इंडिया में मंगी, पिझ्झा और माझा का नकली आम है।
भारत में मटके है, बर्तन है, पत्तल हैं।
इंडिया में पॉलीथीन, वॉटर और वाइन की बोतले हैं।
भारत में दूध है, दही है, लस्सी है।
इंडिया में खतरनाक विस्की, कोक और पेप्सी है।
भारत में रसोई है, आंगन है, तुलसी है।
इंडिया में रुम है, कमोड की कुर्सी है।
भारत में गीत है, संगीत है, रिदम है।
इंडिया में डांस, पॉप और आइटम है।
भारत में पीपल है, बरगद है, नीम है।
इंडिया में ड्रॉइंग रूम की वॉल पर ये सीन है।
भारत में ममेरी, फुफेरी, चचेरी बहन है।
इंडिया में सब के सब कजिन है।
भारत में हजारो भाषाएँ हैं, बोलिया हैं।
इंडिया में धूर्त एक अंग्रेजी की बडबोली है।
भारत में संतोष, सुख है, चैन है।
इंडिया बदहवास, दुखी, बैचेन है।
क्योंकि, भारत को देवों ने, वीरों ने रचाया है।
इंडिया को लालची अंग्रेजो ने बसाया है।

आरती कुलकर्णी, प्रथम वर्ष वाणिज्य (अ)

मेरा प्रिय उत्सव

अफरीन खान, प्रथम वर्ष कला

दशहरा हमारा एक गौरवपूर्ण त्योहार है। यह आश्विन मास में शुक्लपक्ष की दशमी को मनाया जाता है। शरद ऋतु के स्वच्छ और मोहक वातावरण में दशहरा भारत के जनजीवन को आनंद और उत्साह से भर देता है।

पौराणिक कथा के अनुसार इसी दिन श्रीराम ने लंका के राजा रावण पर विजय प्राप्त की थी और उसके अत्याचारों से पीड़ित ऋषि-मुनियों तथा प्रजाननों को निर्भय बनाया था। इस विजय की खुशी सारे देश में मनायी गयी थी इसी दिन की स्मृति में विजयादशमी का त्योहार मनाया जाता है। महाभारत महाकाव्य के अनुसार पांडवों के गुप्तवास के दरमियान इसी दिन अर्जुन ने शमीवृक्ष पर रखे अपने गांडीव धनुष्य को उतारकर दुर्योधन के सैन्य को भगाया था और राजा विराट की गायों को मुक्त किया था। पुराणग्रन्थों के आधारपर इसी दिन राजा रघुने देवराज इंद्र पर विजय पाकर उससे बहुत सुवर्ण प्राप्त किया था। जिसे बाद में उन्होंने दान किया।

मंगल कार्यों का प्रारंभ करने के लिए दशहरे का दिन अत्यंत शुभ माना जाता है। इसी दिन लोग घरों और दुकानों को तोरण से सजाते हैं, क्षत्रिय अपने घोड़ों को सजाते हैं और शस्त्रों की पूजा करते हैं। लोग काम की जगह और अवजारों को सजाकर उनकी पूजा करते हैं। पाठशालाओं में खेल प्रतियोगिताएँ रखी जाती हैं। किसानों के जीवन में दशहरा नए रंग भर देता है उनमें नया उत्साह-आशा भर देता है। दशहरे के पूर्व नौ दिनों तक सारे देश में रामलीला का आयोजन किया जाता है। ये दशहरे के दिन समाप्त होती है। रामलीला मैदान पर रावण का बड़ा पुतला बनाया जाता है जिसे दशहरे के दिन जलाते हैं। रावण का पुतला बुराईयों का प्रतीक माना जाता है। इस तरह यह त्योहार बुराई पर भलाई की तथा अधर्म पर धर्म की विजय का प्रतीक है। इसीलिए

इस त्योहार को विजयादशमी कहते हैं।

यह खेद की बात है कि आजकल लोग दशहरे के महत्त्व को भूलकर बाह्य आडम्बर को ही प्रधानता देने लगे हैं। इस पवित्र पर्व को सही अर्थ में मनाने के लिए अपने हृदयको स्वधर्म, स्वदेश प्रेम, बलिदान और वीरता से भर देना चाहिए।

विजयादशमी हमारा राष्ट्रीय, ऐतिहासिक, धार्मिक और सांस्कृतिक पर्व है। यह हमारे जीवन में नई चेतना का संचार करता है। हमारी राष्ट्रीय और सांस्कृतिक एकता को दृढ़ करता है। प्रत्येक शुभकार्य में विजयी बनने का संदेश देता है।

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गीत नया गाता हूँ

टूटे हुए तारों से फूटे वासन्ती स्वर,
पत्थर की छाती में उग आया नव अंकुर,
झरे सब पीले पात,
कोयल की कुहक रात,
प्राची में अरुणिमा की रेख देख पाता हूँ।
गीत नया गाता हूँ।

टूटे हुए सपने की सुने कौन सिसकी ?
अन्तर को चीर व्यथा पलकों पर ठिठकी।
हार नहीं मानूँगा,
रार नई ठानूँगा,
काल के कपाल पर लिखता-मिटाता हूँ।
गीत नया गाता हूँ।

अटल बिहारी वाजपेयी

(भूतपूर्व प्रधानमंत्री, भारत)

मेरी इक्यावन कविताएँ

आतंकवाद और भारत

रुना कुमारी, प्रथम वर्ष कला

आतंकवाद की आग में समूचा विश्व जल रहा है। इस आग ने विश्व के सभी देशों को अपनी चपेट में ले लिया है। ११ सितंबर २००१ को अमेरिका के न्यूयॉर्क शहर के वर्ल्ड ट्रेड सेंटर पर और २६ नवम्बर २००८ को मुंबई में हुआ आतंकी हमला इस बात का गवाह है। आतंक का पर्याय बने ओसामा को मारकर अमेरिका ने बेशक आतंकी हमले का एक हदतक जवाब दिया हो, लेकिन क्या बात यही खत्म हो जाती है?

हिंसा के माध्यम से सामान्यों में भय या आतंक पैदा कर अपने उद्देश्यों को पूरा करना ही आतंकवाद है। इसके कई प्रकार हैं इसमें तीन ऐसे हैं जिससे पूरी दुनिया त्रस्त है - राजनीतिक आतंकवाद, धार्मिक कट्टरता और सामाजिक आतंकवाद।

आतंकवादी निरंतर नए-नए तरीके अजमाते हैं। जैसे भीड़ के जगहपर, रेल-बसों में बम विस्फोट, रेल की दुर्घटना हेतु पटरियाँ उखाड़ना, हवाई जहाजों का अपहरण इस कारण पूरा विश्व परेशान है।

सर्वाधिक त्रस्त भारत देश है, पिछले कुछ दशकों में भारत में आतंकी घटनाओं की संख्या बढ़ती ही जा रही है। जैसे- १२ मार्च, १९९३ को मुंबई में श्रृंखला बद्ध बम विस्फोट, १३ डिसेंबर, २००१ को भारतीय संसद भवन पर हमला, ७ मार्च २००६ को वाराणसी में हुए बम धमाके जिसमें १०० से भी अधिक लोग मारे गए। ११ जुलाई २००६ को मुंबई उपनगरीय में विस्फोट जिसमें कई लोग घायल हुए और मारे गए। ३ मई, २००८ को जयपुर में जो बम विस्फोट हुआ जिसका उद्देश्य भारत में आनेवाले पर्यटकों को डराना था। २६ जुलाई २००८ को अहमदाबाद में और २६ नवम्बर २००८ को ताज होटल (मुंबई) पर हुआ हमला अत्यंत

भयानक था जिसमें १७२ लोग मारे गए।

भारत में नक्सलवाद भी अब आतंकवाद का रूप ले चुका है। पहले नक्सलवाद का उद्देश्य अपने वास्तविक हक की लड़ाई था, परंतु अब उसने हिंसक रूप धारण किया है। यह आतंकवाद देश के लिए एक गंभीर समस्या एवं कड़ी चुनौती बन चुका है। प्रारंभ में यह विद्रोह पश्चिम बंगाल तक सीमित था, किन्तु धीरे-धीरे यह उड़ीसा, बिहार, झारखंड, आंध्र प्रदेश, महाराष्ट्र करते-करते पूरे देश में फैल गया है।

आतंकवाद के प्रमुख कारण राजनीतिक स्वार्थ, सत्तालोलुपता, धार्मिक कट्टरता है। नक्सलवाद के सामाजिक कारण बेरोजगारी, गरीबी, महंगाई है। विश्व के अधिकतर आतंकवादी संगठन युवाओं की गरिबी और बेरोजगारी का लाभ उठाते हैं।

आतंकवाद के कई मासूमों की जान गई है। कितने ही निर्दोष लोग अपाहिज बने हैं। इसमें भयानक बात यह है कि कोई नहीं जानता कि उनका अगला शिकार कौन होगा। इससे समाज-जीवन निरंतर असुरक्षा से डर में रहते हैं। मानव मानव से डरने लगा है कितनी कलंक की बात है यह-

आतंकवाद को मिटाने के लिए बेकारी/बेरोजगारी मिटाना आवश्यक है। युवापिढ़ी बेरोजगारी के कारण इस अंधे कुएँ में जा रही है। आतंकवाद मिटाने के लिए विश्व के सभी देशों में मिलकर कदम उठाने चाहिए। एक व्यापक रणनीति बनानी चाहिए ये आज के समय की माँग है जिसे विश्व के धरातल पर मिटाया जा सकता है।

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माइया कविते

माइया कविते जलबिंदूसम
टपकत ये ग, थरकत ये ।
अस्फुट अपुरी प्रतिभा माझी
हळूच तिजला स्पर्शित ये ॥१॥

माइया कविते, होऊनि निर्झर
रानफुलांवर उमलत ये ।
गात लव्हाळी नाजुक गाणी
तालांवर त्या नाचत ये ॥२॥

माइया कविते होऊनि सरिता
तृषित धरेला सुखवित ये ।
काळ्या मातीमधून हसरे
टपोर मोती पिकवित ये ॥३॥

माइया कविते लाटांसम तू
फेसाळत अन् उसळत ये ।
शांत किनाऱ्यावरी रुपेरी
धुंद पौर्णिमा फुलवित ये ॥४॥

कवी अरुण जतकर

मनोव्हील, पेनसिल्व्हेनिया, अमेरिका

कविता री

कविता री जलबिंदु-सी
छिड़कत आ री थिरकत आना री
अस्फुट अधूरी प्रतिभा मेरी
हौले से छेड़ती आ जाना री ॥१॥

कविता री निर्झर बनकर
बनफूलों से खिलते हुए आना री
मुदुल तृणों के गीत सुकोमल
ताल पे नाचती आ जाना री ॥२॥

कविता री बनकर सरिता
तृषित धरा की प्यास बुझाती आना री
श्यामल मिट्टी के तन से
मोती सुनहरे पकाना री ॥३॥

कविता री लहरों सी तू
फेनिल बनकर उमड़ उमड़कर आना री
मौन किनारेपर चाँदी-सी
मदमाती पूनम छिटकाती आ जाना री

प्रा. सुनीता पुरोहित

हिंदी अनुवाद

सबके लिये खुला है

सबके लिये खुला है, मंदिर है ये हमारा
मतभेदको भुलाता, मंदिर है ये हमारा ॥१॥

आओ कोई भी पंथी, आओ कोई भी धर्मी
देशी विदेशीयोंका, मंदिर है ये हमारा ॥२॥

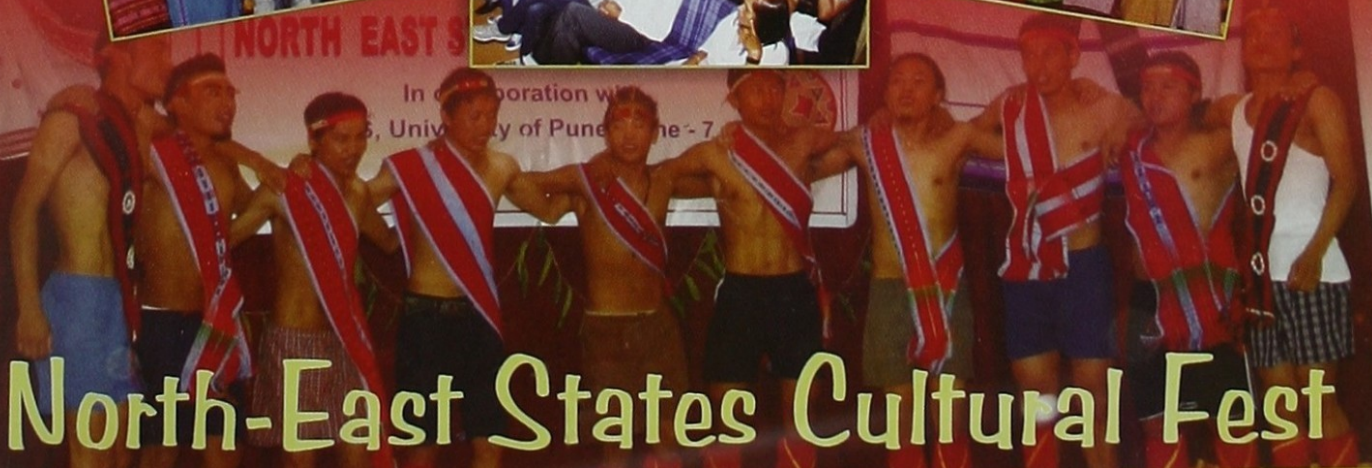
संतोकी उच्च वाणी सब जन है भाई भाई
सब देवता समाता, मंदिर है ये हमारा ॥३॥

मतभेद होने पर भी मनभेद हो न पाये
हर एकता का हामी, मंदिर है ये हमारा ॥४॥

मानव का धर्म क्या है, मिलती है राह जिसमे
चाहता भला सभीका, मंदिर है ये हमारा ॥५॥

आओ सभी मिलेंगे बैठेंगे प्रार्थनामें
तुकड्या कहे अमर है मंदिर है ये हमारा ॥६॥

राष्ट्रसंत तुकडोजी महाराज



North-East States Cultural Fest

