



**NAAC Re-accredited
with 'A⁺' Grade, 2017**

**'College with Potential
for Excellence', UGC, 2017**

**'Best College Award (Sports)',
SPPU, 2017**

**'Best College Award (Sports)',
SPPU, 2016**

**'Community College Scheme',
UGC 2015**

'Best College Award (NSS)', SPPU, 2014

'Star College Scheme', DBT, 2014

'BSR Scheme', UGC, 2013

'FIST Scheme', DST, 2012

'College with Potential for Excellence', UGC, 2011

NAAC Re-accredited with 'A' Grade, 2010

'Best College Award', SPPU, 2008

**Modern
2016-17**



NAAC PEER TEAM VISIT 19th -21st DEC 2016 : CAPTURED MOMENTS

<p>OFFICE BEARERS</p> <p>Dr. Rajendra Zunjarrao Principal</p> <p>Prof. Shamkant Deshmukh Secretary, P.E.S., Pune 5. Vice-Principal</p> <p>Dr. Yashwant Waghmare Ex-Vice-Principal</p> <p>Dr. Ashok V. Kamble Vice-Principal</p> <p>Dr. Nayana Kulkarni Ex-Vice-Principal</p> <p>Dr. Amruta S. Oke Vice-Principal</p> <p>Prof. Sharad Chaudhari Vice-Principal</p> <p>Prof. Prakash Dixit Vice-Principal</p> <p>Prof. Anant Gosavi Incharge B.B.A.,M.Com.(Non-grant)</p> <p>Prof. Miind Waghmare Vice-Principal</p> <p>Prof. Vilas Alhat Ex-Vice-Principal, Junior College</p> <p>Prof. Bina U. Muttalgi Ex-Vice Principal, Junior College</p> <p>Prof. Ravindra N. Ingole Vice Principal, Junior College</p> <p>Dr. Sunita Gosavi Supervisor, Junior College</p> <p>Prof. Sanjay Thengadi Coordinator - Administration</p> <p>Mr. Ravindra Kale Registrar</p>	<p>Progressive Education Society's</p>  <p>Modern College of Arts, Science and Commerce Shivajinagar, Pune - 411 005.</p> <hr/> <p>NAAC Re-accredited with 'A+' Grade, 2017 'College with Potential for Excellence', UGC, 2017 'Best College Award (Sports)', SPPU, 2017 'Best College Award (Sports)', SPPU, 2016 'Community College Scheme', UGC 2015 'Best College Award (NSS)', SPPU, 2014 'Star College Scheme', DBT, 2014 'BSR Scheme', UGC, 2013 'FIST Scheme', DST, 2012 'College with Potential for Excellence', UGC, 2011 NAAC Re-accredited with 'A' Grade, 2010 'Best College Award', SPPU, 2008</p> <p>MODERN 2016-17</p> <p>Editorial Board - College Annual Magazine Chairman : Principal Dr. Rajendra Zunjarrao In-charge : Vice Principal Dr. Nayana Kulkarni Advisor : Vice-Principal Prof. S. R. Chaudhari Editor : Mr. Narendra M. Naidu</p> <p>Members: Prof. Rohan Gawade Prof. Madhuri Ghanekar Prof. Suneeta Gosavi Prof. Vandana Joshi Dr. Madhura Koranne Prof. Sanjeevani Kuvalekar Prof. Dipali Lodh Prof. Rama Phadke Prof. Vinod Suryavanshi Prof. Yogesh Thipse</p> <p>Co-opted Members: Dr. Prerana Ubale Prof. Vaibhav Thakare Dr. S. S. Puranik (SWO)</p>
<p>Cover Design: Mr. Chinttan Dewalia</p> <p>Back cover</p> <p>Top to bottom:</p> <ol style="list-style-type: none"> 1) 'Best College Award (Sports)', SPPU, 2017. 2) Gymkhana Day 3) Art Circle with NAAC Peer Team <p>Printed at: Chinttan Publications, Pune 411021.</p>	

INSTITUTIONS

(Estd.)

- (1934) Modern High School, Pune - 5.
- (1936) Prathamik Vidya Mandir, Pune -5.
- (1940) Sir Sassoon David Hostel, (for boys)
- (1946) P. E. S. Girls' High School, Pune -5.
- (1967) Modern High School & Jr. College & MCVC Pune - 53.
- (1968) Shishu Vidya Mandir, Pune -5.
- (1968) Girls' Hostel, Pune - 5.
- (1970) Modern College of Arts, Science and Commerce, Pune - 5.
- (1976) Kinergarten and Primary English Med. School, (N.C.L. Campus), Pune -8.
- (1981) N. C. L. Secondary & Higher Secondary School, Pune -8.
- (1982) W. I. E. Badminton Complex, Pune - 5.
- (1985) Pre-Primary and Primary English Medium School, Pune -5.
- (1986) Shishu Vidya Mandir, Nigadi, Pune - 44.
- (1986) Prathamik Vidya Mandir, Nigadi, Pune - 44.
- (1989) Modern Centre For Career Guidance, Pune - 5.
- (1990) Shishu and Prathamik Vidya Mandir, Pune - 53.
- (1991) Modern High School, Bhose (Tal. Khed), Pune.
- (1991) Institute of Management and Career Development, Nigadi, Pune - 411044.
- (1991) Montessorie Teachers' Training Course, Pune - 5.
- (1991) Pre-Primary and Primary English Medium School, Nigadi, Pune - 44.
- (1992) Modern High School, Nigadi, Pune - 44.
- (1992) Modern College of Arts, Science & Commerce, Pune - 53.
- (1993) Modern English Medium High School, Pune - 5.
- (1994) P. Nehru Shishu and Prathamik Vidya Mandir, Warje, Pune - 58.
- (1997) Modern Centre for Information Technology and Research, Pune - 5.
- (1998) Modern College of Pharmacy, Nigadi, Pune - 44.
- (1998) Modern High School, Warje, Pune 58.
- (1999) Modern College of Engineering and Information Technology, Pune -5.
- (2000) Modern High school, English Medium, Nigdi, Pune - 44.
- (2002) Pre-Primany English Medium School, Warje, Pune -58.
- (2002) Modern Primary English Medium School, Warje, Pune 58.
- (2003) Modern Law College, Pune - 53.
- (2003) Modern Junior College (Science) Pune - 44.
- (2004) Modern College of Special Education Pune - 5.
- (2004) Modern College of Pharmacy, Moshi, Dist. Pune (for women)
- (2006) Modern College of Education for Women, Shivajinagar, Pune -5.
- (2006) Modern College of Nursing, Shivajinagan, Pune - 5.
- (2007) Modern College of Physiotherapy, Shivajinagar, Pune -5.
- (2007) Modern College of Computer and Business Study
- (2008) Modern College of Agricultural Biotechnology, Kule-Dakhane, Paud, Tal. Mulshi, Pune.
- (2009) Modern College of Commerce and Computer Studies, Yamunanagar, Nigdi, Pune - 44.
- (2010) Modern Institute of Business Management, Pune -5.
- (2010) Modern High School (Eng. Med.), Pune - 58.
- (2017) Modern Junior College of Science and Commerce, Warje, Pune-58.

The Pioneer and Visionary



Late Shri. Shankarrao Kanitkar

Founder
Progressive Education Society
Pune - 5.

SPECIAL MOMENTS



**'Jeevan-Sadhana Gaurav Puraskar' awarded
by SPPU to
Dr. Gajanan Ekbote, Chairman, PES.
Received by
Prof. Dr. Nivedita Ekbote and Dr. Gayatri
Ekbote on his behalf on University
Foundation Day 2017**

**Convocation ceremony at PES Auditorium at the
hands of honourable Padmashri P. D. Patil**



**Session on 'Metro in Pune'
Shri. Shashikant Limaye and Shri Ramesh Rao**

**First ever Public Felicitation of newly
appointed Honourable Vice-
Chancellor, SPPU-
Dr. Nitin Karmalkar at the hands of
Honourable Chairman, PES, Prof. Dr.
Gajanan Ekbote, in presence of
Additional Collector Shri Chandrakant
Dalvi and Registrar SPPU
Dr. Arvind Shaligram**



Our Inspiration



Message

Progressive Education Society's Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5, was established in the year 1970 as the first senior college of Progressive Education Society. As per the Vision of founder members of P. E. Society Late Shankarraoji Kanitkar and Late V.T. Tatke, we are following the two keywords 'Progressive' and 'Modern'. I feel that this college has progressed right from the beginning to a glorious destination today and going to reach their set goals in future. Modern College has several achievements like 'Best College Award' by Savitribai Phule Pune University in 2008, NAAC Accreditation 'A' grade in 2010, CPE status of UGC in 2011, BSR Funds from UGC, FIST (Funds for Improvement of Science & Technology Infrastructure) grants from DST and STAR college scheme from DBT in 2013. Recently in 2015, UGC sanctioned 'Community College Scheme' to this college. The college has been conferred 'Best College award (Sports)' for academic year 2015 as well as 2016-17, by Savitribai Phule Pune University.

The number of students enrolled during this academic year is more than 9500, and it is prestigious that there are 83 International students admitted in this year. I am proud to mention that the college has established use of ICT in administration teaching - learning process. A 'Digital Record Room' and 'Digital Library' are established to benefit student services.

The college has organized one International, one National and two state level conferences this year on relevant and contemporary topics. Along with academic, research, co-curricular achievements, college has crossed landmarks in Social work. Paddy plantation, socio-economic survey of neighbourhood community, guidance sessions for blind students, Swachh Bharat Abhiyaan etc. are remarkable activities by the college NSS unit.

The players from department of Physical Education won 148 Gold, 106 Silver and 86 Bronze medals in various level sports events. I am confident that college will progress in co-curricular and extracurricular activities in with the same pace, as in academics.

The college has seven Research Centers in the campus, recognized by Savitribaj Phule Pune University. Also the post graduate program in Physics and Zoology are started from academic year 2015-16. Post graduate course in Political Science and under graduate courses viz. B.Sc. (Blended) and B.C.A. (Science) have also begun in this academic year.

The college has successfully completed third cycle of NAAC accreditation with A+ Grade.

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

I appreciate the efforts of the Annual Magazine Committee for their meticulous work in compilation of reports and encouraging students to express themselves.

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

With personal regards,

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

From the Principal's Desk



I am very happy to share my feelings at the conclusion of academic year 2016-17. This academic year was also full of academic, co-curricular and extracurricular activities. We are enhancing quality of education through various efforts. The library infrastructure is renovated completely and ambience of library is enhanced by modern facilities like web OPAC, accessing e-books, staff study section, library website, library e-bulletin, photocopy, printout facility and the library under CCTV surveillance. One additional reading hall has been created in this academic year. In this academic year, department wise CCTV surveillance was also provided. We have enhanced use of ICT facilities in teaching, learning and administration. Online admission procedure is adopted for all the courses in this academic year.

In addition to Diploma in dress designing and tailoring, we have started Advanced Diploma in dress designing and tailoring under Community college scheme of UGC.

The players from department of Physical Education won 148 Gold, 106 Silver and 86 Bronze medals in various level sports events. This resulted into getting 'Best College Award (Sports)' for the second consecutive year i.e. academic year 2016-17 from Savitribai Phule Pune University.

The college has maintained the tradition of successful organization of one International Conference, one National Conferences and two State level conferences this year also. Number of seminars, lecture series, exhibitions were also organised by various departments for enhancing quality of teaching, research and skill development among the students. This year we have conducted four meetings of Industry-Academia Collaboration Committee, in order to get placement opportunities and guidance from industrial sector. 'Vyapar Mela (Trade Fair)-2017 was a grand event of this academic year.

Students have shown superior results in Purushottam Karandak, Firodia Karandak and number of cultural competitions, and have won several prizes. The department of Physical Education organised "Sports Week" for the employees of Progressive Education Society. The activities of NSS and NCC were also on a high scale. Several NCC cadets have successfully completed all India Nau Sainik Camp this year and also two cadets participated in Republic Day Parade at Delhi. Members of the teaching staff have been striving hard to reach higher academic standards without compromising with their teaching assignments and routine college activities.

In this academic year college has successfully completed third cycle of NAAC accreditation with A+ grade.

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 continuous encouragement. We are grateful to Local Managing Committee Chairpersons, Prof. P.S. Chirputkar, Dr. A. K. Pande and Prof. Mrs. J. G. Ekbote and Prof. S. S. Deshmukh, Secretary of P. E. Society, for their active support, guidance and encouragement. We also congratulate Prof. Mrs. Jyotsna G. Ekbote for being elected as 'Corporator, PMC'.

We feel proud of great visionary, great educationist and dynamic leader our, honourable Chairman Prof. Dr. G. R. Ekbote for his achievements in this year. Prof. Dr. G. R. Ekbote has been awarded 'Jeevan Sadhna Gaurav Puraskar' by SPPU in this academic year, in its Foundation day function on 10th February 2017. We are confident that through his able guidance, our college along with other colleges and schools of Progressive Education Society will continue progressing in all possible ways.

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

Dr. Rajendra S. Zunjarrao

Principal

प्रशासनातील आधारस्तंभ



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



मा.प्रा.शामकांत देशमुख
कार्यवाह, प्रो.ए.सो.
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मा.प्रा.डॉ.राजेंद्र झुंजारराव
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उपप्राचार्य



मा.प्रा.डॉ.नयना कुलकर्णी
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मा.प्रा.शरद चौधरी
उपप्राचार्य



मा.प्रा.मिलींद वाघमारे
उपप्राचार्य



मा.प्रा. संजय ठेंगडी
समन्वयक प्रशासन



मा.प्रा. विलास आल्हाट
उपप्राचार्य
कनिष्ठ महाविद्यालय



मा.प्रा.रवींद्र इंगोले
पर्यवेक्षक
कनिष्ठ महाविद्यालय



मा.रवींद्र काळे
रजिस्ट्रार

We are Proud of You Glorious Moments of Kanitkar day



**Felicitation of Prof. J. G. Ekbote, Chairman, LMC
and Principal Dr. R. S. Zunjarrao at the hands of
Honourable Shri. Sushilkumar Shinde and
Honourable Mayor Mrs. Mukta Tilak for
'Best Clean College Campus'**

**Felicitation of Dr. R. B. Barmukh at the hands of
Honourable Shri. Sushilkumar Shinde
'Best Teacher Award' (Senior College)**



**Felicitation of Prof. Yogesh S. Thipse at the hands
of Honourable Shri. Sushilkumar Shinde
'Best Teacher Award' (Junior College)**

**Felicitation of Mr. Ramesh Dalvi at the hands of
Honourable Shri Anil Shirole in presence of
Honourable Shri. Sushilkumar Shinde
'Best Non-Teaching Staff Award'**



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या नियतकालिकातील लेखकांच्या मतांशी, प्रतिक्रियांशी व विचारांशी संपादकीय मंडळ सहमत असेलच असे नाही.

Editorial...

Dear Readers,

It gives us immense pleasure to present the College Annual Magazine –MODERN 2016-17.

This year too, we have tried to publish the magazine so as to coincide with the College Foundation Day. The first section comprises 'Reports' of all departments and various associations and committees. These reports reflect the vibrant nature and the kaleidoscopic diversity of our college.

The photograph-plates interspersed in the magazine add to the authenticity of the contents in the reports. Selecting photographs was a challenging task, considering the number and varied nature of activities undertaken by our college. However, we have tried to give justice to each and every department. It is commendable that most of the reports and photographs sent by the respective heads and chairpersons were through email. This made further work very easy for the Magazine Committee.

The second section is 'Abhivyakti'- which literally can be translated as 'Expression'. This is an open platform for the youth of our college to share, to communicate with others what resides in the recesses of their minds. Students have contributed articles, poems, reports, essays and stories towards this section. This section is certainly informative and interesting too.

Our Principal Dr.R.S. Zunjarrao gave the concept design for the cover. Mr.Chinttan Devalia worked on the idea and gave us the creative output. The rear cover is in appreciation and honour of the students and staff of the department of Physical Education, who brought laurels, this year too, to our college, and also the entire Art Circle for their achievements throughout the year and the excellent performance staged during the NAAC Peer Team Visit.

Over the past few years, our entire college was enthusiastically preparing for the NAAC Peer Team Visit. The long awaited NAAC Visit was in December 2016. Due to the guidance of our versatile Chairman Dr. G. R. Ekbote, PES, cooperation of the Management, meticulous planning and leadership by our Principal Dr.R.S. Zunjarrao and efficient team work of staff, our college was awarded the 'A+ Grade' by NAAC. To cherish the memories of the NAAC visit, we have the captured moments displayed on the inner cover of our magazine.

The Editorial Board expresses gratitude towards the Office Bearers of PES, Principal Dr. R. S. Zunjarrao and all Vice-Principals for their constant support. We thank all our colleagues, office staff, non-teaching staff and students for their cooperation. Special thanks are due to Prof.Shamkant Deshmukh, Vice Principal and Secretary, PES and Prof. Sharad R. Chaudhari for their wholehearted help throughout the process.

We appreciate the patience and the untiring efforts of our Printer Mr. Chinttan Devalia. Thanks are also due to Mr.Hemant Date for the group photographs.

The team work of the College Annual Magazine Committee made the task smooth and easy.

We are looking forward to your suggestions and comments, towards quality enhancement of our magazine.

Hope you have an enjoyable reading.

Narendra M.Naidu

Editor

15th June 2017

International Conference

Current Trends in Bioenergy and its Applications (ICCTBA)

3rd and 4th February 2017

Day 1: 3rd February 2017

The conference started at 9.30 am with breakfast and registration of participants.

Inaugural function

The conference was inaugurated at the auspicious hands of Prof. Dr. G. D. Yadav in the presence of Prof. Dr. G. R. Ekbote, Chairman, Business Council, Progressive Education Society, Shivajinagar, Pune 411005. Prof. Mrs. Jyotsna G. Ekbote, Chairman, LMC, Modern College of Arts, Science and Commerce, Shivajinagar, Mr. Shamkant Deshmukh, Secretary, P. E. Society, Dr. Rajendra S. Zunjarrao, Principal, Modern College, Mr. Sharad Chaudhari, Vice Principal, Dr. S. Y. Paranjape, were present for this function. The abstract book was released by chief guest.

Total numbers of participants were 400, out of which 130 were research students from various institutes, colleges and universities across India. 38 foreign delegates were present for the conference. Total 23 speakers were invited for the talk, out of 23 speakers, five speakers came from foreign countries.

Prof. Dr. G. D. Yadav, Chief Guest Vice Chancellor, ICT, Mumbai - He spoke about changes taking place now a days in science and technology. He also spoke about GMOs and conversion of Agricultural waste in to ethanol.

Dr. Rob Vasbinder, Director, Net Energy, Netherlands - He elaborated on process of pyrolysis. He spoke on biomass to oil, energy and related materials. He spoke about his company – NetEnergy –and its product. He also explained about current needs of the market. He also proposed business model.

Dr. Florian Wenke, DE International German Chamber of Commerce, Pune - He spoke about bioenergy opportunities in Germany. The objectives are to make Germany free of biofuels and turning towards renewable energy. He also mentioned statistics related to bioenergy in Germany and how Germany has reduced use of biofuels.

Dr. Shahrir Bin Ismail, Consultant, Biomass and Bioenergy, Singapore - He spoke about the biomass and bioenergy in Asian countries. He compared Asian countries such as Indonesia, Cambodia, Vietnam, Myanmar etc. He stated the problems in Asian countries.

Role of Microbes in Bioenergy Production

The session was chaired by Dr. A. D. Karve. Three lectures were held in this session.

Dr. Dilip Ranade, Consultant, MCC, NCCS, Pune - He lectured on anaerobic bacteria and their role in energy generation. Bioenergy generated from traditional biomass is largest source of renewable energy in the form of biogas, biobutanol and biomethane. He presented diversity of metabolic pathways required for production of methane. He highlighted current research interests in the field of bioenergy such as low temperature anaerobic digestion, anaerobic digestion of mixed wastes, development of equipments for moisture removal from digested slurry, anaerobic digestion of waste at high total solids contents etc.

Dr. P. Binod, Scientist, CSIR-NIIST, Trivandrum, India - He lectured on importance of renewable energy and focused on bioenergy and biofuels. Biofuels are short term solutions. He talked about development of enzymes, production of immobilized enzymes and their large scale production for generation of ethanol. Lignocellulosic biomass such as rice straw, sugarcane, bamboo, cotton plant waste are used for the production of ethanol. He stated that detailed study needed on the enzyme kinetics and pathways required for generation of bioenergy. Structural analysis of biomass is required to design the pretreatment is essential and engineering techniques for development of bioreactor and lowering the cost.

Dr. Pradnya P. Kanekar, CSIR Emeritus Scientist, Modern College Pune 5. - She delivered her talk on halophilic Archaea as a source of bioenergy. She introduced halophilic Archaea focusing on Bacteriorhodopsin (BR). It is a light driven proton pump of halophilic Archaea. BR is used for the production of chemical energy. She spoke about functions, properties applications and current research on BR.

Bioenergy from Biomass

The session was chaired by Dr. Shahrir Bin Ismail. Following were the lectures held in this session:

Dr. A. M. Lali, Head, Center of Energy Biosciences, ICT, Mumbai - A film on biofuels from second generation biomass was shown. He emphasized on the disturbance caused by the global warming because of current sources of bioenergy. He urged to understand the potential role of and agricultural land etc. and to manage the biomass which is useful in production of biofuels.

Dr. Reena Pandit, Scientist, ICT, Mumbai - Her lecture was based on algae as a next generation of biofuels. She explained the benefits of algae as source of fuels as they do not compete with conventional agricultural crops and can be grown on variety of media. She highlighted the area of algal biotechnology and challenges in the field.

Dr. H. M. Pathan, Assistant Professor, Department of Physics, SPPU, Pune - He presented the problems in rural places and ways to manage them. For example use of solar cooker, solar cells, etc.

Poster Presentation Session

Poster Presentation Session was held from 6.00 pm to 08.00 pm. Total 42 posters were displayed which covered wide array of fields in bioenergy. The judges were Prof. Dr. Deokule, Head, Department of Botany, University of Pune, and Dr. Mrs. Meenakshee Mahajan. Associate Professor, Department of Botany, Fergusson College, Pune.

Day 2 : 4th February 2017

The second day of the conference started with breakfast and tea at 9.30 am. Sessions were held as follows:

Bioethanol and Biofuel

The session was chaired by Dr. R. R. Ranade.

Dr. G. Velvizhi, CSIR-Pool Scientist, CSIR-IICT, Hyderabad

She introduced the potential of waste for bioenergy generation and current trends in bioenergy. She explained the mechanism of electrogenesis, photosynthetic machinery, multipollutant. She talked about microbial fuel cell for generation of bioenergy and patented systems for degradation of wastes from paper and pulp industry, paper and pulp industry etc.

Dr. Ashish Polkade, Director, Vision Ecologica, Pune

Topic of presentation was 'Microbes in waste management'. He talked about waste and its treatment, applications of microbes in biotechnology. He presented his success story in management of waste. He highlighted the impact of waste on environment, animals and aquatic life.

Dr. Ashwini Shete, Principal Technologist, Praj Matrix, Pune

She talked about Ethanol production, pretreatment of biomass, cellulose deconstruction, ethanol fermentation current business challenges, novel technologies in generation of energy from ethanol.

Plant Biofuels

Dr. A. D. Karve, Ex-Director, ARTI, Pune -

He talked about association of Microorganisms in the rhizosphere and roots of higher plants. He proposed that the microorganisms compete with other microorganisms in the rhizosphere and plants.

Dr. Ninad Gujarathi, Assistant Vice President, Reliance, Jamnagar-

He talked about the microorganisms involved in the generation of oils.

Dr. Neelu Nawani, In-Charge, Microbial Diversity Research Center, Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Dr. D. Y. Patil Vidyapeeth, Pune -

She explained the role of algae in Bioenergy production in villages around Pune.

Success stories

Dr. Abhijeet Shirke, Managing Director, Shirke Biofuels, Pune.

He showed documentary about the products marketed by Shirke Energy. He also mentioned about opportunities in the field of generation of oils and other by products from pyrolysis of plants.

Dr. Priyadarshini Karve, Director, Samuchit Enviro-tech, Pune

His lecture was based on the interaction of microorganisms in the rhizosphere and roots of higher plants.

Dr. Santosh Gondhalekar, Director, Primove Engineering Pvt. Ltd., Pune

He showed a film related to generation of biomethane from agricultural wastes and using it as a fuel for vehicles.

Dr. R. R. Sonde, Executive Vice President, Thermax Global, Pune

He emphasized on opportunities in the field of bioenergy from agricultural wastes.

Valedictory function

Valedictory function was held at 5.00 pm. Dr. R. R. Sonde was the Chief guest for this function. Prof. Rama Phadke gave the overview of the conference. Winners of the poster presentation session were announced and felicitated. Vote of thanks was given by Dr. Kaluram D. Gopale.

Dr. K. D. Gopale

Organizing Secretary

Dr. R. S. Zunjarrao

Principal and Convener

ICCTBA 2017

Internal Quality Assurance Cell

2016-2017

Internal Quality Assurance Cell (IQAC) of the college is operational under the able guidance of Chairman of the cell Principal Dr. R.S. Zunjarrao, Prof. S.R. Chaudhari Coordinator and Assistant coordinators Dr. Mrs. Anjali Sardesai and Dr. Rebbeca Thombre. IQAC took endless efforts in preparations of NAAC accreditation third cycle evaluation of our college.

On behalf of IQAC of college we congratulate all stakeholders students, alumni, teaching and nonteaching staff, parents and of course our management Progressive Education Society, for their extensive cooperation and hard work towards achieving the impressive 'A+' accreditation grade for our college.

During the academic year 2016-17, IQAC planned many quality assurance activities. During preparation of NAAC third cycle reaccreditation LOI was accepted by NAAC on 14/06/2016 and advised to proceed further for submission of SSR. It was very busy schedule to finalize and submit SSR in scheduled time, along with maintaining college website updated. IQAC organized guideline workshops for website updating, department presentations, academic audit process etc.

After submission of SSR, PEER TEAM VISIT was scheduled on 19th, 20th and 21st December 2016. The team members were Honourable Prof. M.S.M. Rawat (Chairperson), Honourable Dr. Jayanta Kumar Parida (Member Coordinator), Honourable Dr. Parveen Pandit (Member) who had thoroughly gone through SSR and visited every department for reaccreditation of college.

Besides this, IQAC conducted meetings of heads of the department for infrastructure development, conducting conferences, seminars and workshops. Meeting of IQAC were conducted regularly for confirmation of previous meeting minutes, review of result analysis, admission status for various courses, enhancing teaching, learning and evaluation, planning of academic and extracurricular activities for the year 2016-17.

Addition more ICT facilities in classes, digitization of office documents for digital record room, utilization of various funds, and examination reforms were discussed and respective resolutions were passed.

Preparation for CPE presentation was prepared by discussions with all heads of the departments and we are happy that the college got continuation of CPE status and funding of Rupees 1.5 crores for next five years.

Also IQAC maintained records for NIRF gradation, AISHE data to be submitted to HRD Ministry.

In the second term meetings of IQAC, achievement by Department of Physical Education and Sports was noted in getting Best college award in sports for Academic year 2016-17, consecutively for the second year, from Savitribai Phule Pune University.

It was decided in IQAC to conduct online admission process for all programs under the Arts, Science and Commerce faculty for academic year 2017-18.

It was also resolved in future to increase e-book collections in digital library, to set Wi-Fi centrally in campus, to maintain and continue environmental related activities in college premises.

After third cycle reaccreditation review meeting was conducted on 22nd April 2017. NAAC PEER TEAM report was discussed with all head of the departments and it was resolved to plan fourth reaccreditation preparations more precisely and meticulously in coming years. A workshop was conducted to provide feedback on preparation of NAAC Evaluation process and preparation of revised manual for evaluation as per NAAC guidelines.

Newly imposed Maharashtra Government University Act was also discussed in IQAC meeting and it was resolved to study it for better implementations of various academics as well as administrative process in our college.

IQAC thanks Dr. G. R. Ekbote Chairman Business Council, Progressive Education Society and Prof. Mrs. J. G. Ekbote, Chairperson Local Managing Body, Prof. P. S. Chirputkar and Dr. A. K. Pande for their support to IQAC for implementing Quality Enhancing activities in college. Also we are thankful to Prof. Shamkant Deshmukh who was the Chairman of the Steering Committee during NAAC PEER Team visit and Principal and Chairman, IQAC Dr. R. S. Zunjarrao for continuously taking efforts for the progress of college in right direction. We hope college will take steps in future, aspiring for the A++ grade in fourth reaccreditation cycle of NAAC.

Prof. Sharad R, Chaudhari
Coordinator, IQAC

REPORTS

OFFICE

The Academic Year 2016-17 started with the celebration of 46th 'College Foundation Day' in June, 2016.

Infrastructural growth and Developments in the various Departments:

Under the able guidance of our Chairman Prof. Dr. G.R. Ekbote, Principal Dr. R. S. Zunjarrao, hard work of the committee members and also the valuable contribution of all teaching and non-teaching staff, we obtained the 'A+' Grade awarded by NAAC, Bangalore.

In addition College is also in receipt of funds from different sources for specific purposes like BSR, QIP Grants from BCUD. It also includes grants received to Individual Proposals of Major/Minor Projects/Schemes of UGC. Many teachers from different departments of the College are in receipt of such grants.

The Sports Department bagged SPPU, Best College Award in Sports. Due to funds received from various sources College is able to improve the existing infrastructure of the college in general and Laboratories & Sports Department in particular.

We are also able to provide various facilities to the students and staff of the college, such as the high speed Intranet facility now made available in the college. All the departments are now interconnected to each other. The Internet facility with the 10 MBPS is also made available to all the departments in the college. The college website is also upgraded and launched in its new format recently.

Facilities to students

New online Admission System has been introduced for all the Classes during this academic year. Proper information leaflets were given to all the students regarding how to fill the admission form and complete the admission process. The necessary online admission guidance was also provided in different places for the different classes. Teachers, Instructors and Office staff participated for guidance to students for these online admissions. We have received good response from the students and parents to this newly introduced system.

Care is being taken to provide fresh filtered and clean water to students and staff of the college using 'Water Purifiers' and 'Water Coolers'. The facility of Ramp and two lifts are also made available to the Physically Handicapped Students, Staff and also for the benefit of senior citizens.

We are using Bulk SMS facility for the benefit of students for informing them the necessary short notices & due dates of filling of examination forms etc. Many decisions taken in the Parents Teachers

Association are also useful for both the students and staff to provide adequate facilities to the students. Well equipped Gymnasium is also made available for the for the good health of the students

The International students Cell is giving better services to International students seeking admissions for the different courses in the college. Necessary guidance is provided to them in order to have proper communication for carrying out the academic and such other activities smoothly during their stay in the college. Get together function and Cultural Programme was arranged for the International Students. Maximum number of students participated in this function. They performed different activities and gave power point presentation regarding information of their countries. Most of the students expressed their views about their experiences in the college.

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

Workshops and lectures

Several workshops and lectures were organized for academic and administrative staff in view of the expected NAAC Peer team Visit.

Social activities

In April 2016 on the day of Bharatratna Dr. Babasaheb Ambedkar Jayanti '14 hours Study Abhiyan was organised by the college for the students and staff. Many students and staff participated in the Abhiyan. The Abhiyan was successfully carried out by the organizing team of the college.

Among other Social Activities during the year 2016-17 activities for the Development in the Rural Area were performed by the students of NSS of both the Units (Senior and Junior) of our College during their Camp.

This year also large numbers of NSS and NCC students of the College also participated in Rural Area in the Farming Activity of Cultivating Rice plants.

The workshop on Eligibility for Colleges in Urban area and Rural area was also organized by the college in collaboration with Savitribai Phule Pune University Pune in July 2016. Maximum number of participants from Colleges in Urban area and Rural area participated in the workshop. The Authorities were also present for the workshop.

'Rojgar Melawa' was organized for the public in general on 26th March, 2017 in collaboration with Employment Exchange and Pune Municipal Corporation. In this activity 45 different Companies participated and the representatives of the companies interviewed approximate 5000 candidates. The appointment letters were also given to those candidates who were selected.

A committee from Delhi visited college for the inspection of Grants received from the Government of India on account of disbursement of Scholarships and Freeships to the students. They took all necessary information such as number of students taken benefit of these Scholarships and Freeships, and disbursement of scholarship amounts to students. They verified the records. They were satisfied with the information given and making available the information in such a short notice.

The National Voters Day was also celebrated on 25th January, 2017. Vice-Principal Prof S.S. Deshmukh gave oath to the citizens and students and staff of the college and he also distributed the Voters ID Cards to the newly registered voters of the local area.

General events during the year

1st May 2016 The College celebrated as the Maharashtra Din. The Flag hosting Ceremony was organized on that day.

The Administrative Staff has also participated in various other functions, and activities organized during this year: College Foundation day, International Seminar organized by the department of Botany, National Level Seminar organized by the Department of Economics, State level Seminar organized by the Department Fashion Technology, Lecture Series organized by the various departments.

The Staff also participated in the functions organized by the Art Circle and all different Associations of the college, Annual Social Gathering 2017, Academic Prize Distribution Function, Modern Harmony a function organized by Gymkhana Department and also the Gymkhana Prize Distribution Function (Gymkhana Day).

The Staff attended visits of the Local Inquiry Committees regarding affiliation and Continuation etc.

Information for freshers

This year also guidance sessions (information lectures) were scheduled at the beginning of the Academic Year for the fresh students (freshers) taking admissions in the college (XIth and First Year classes of all the streams). All Heads of the Departments, Chairpersons of the various Committees gave basic information about various activities carried out during the year viz. the information about various facilities available in the college/departments, skill

development workshops available in the college, specific information about activities like NSS, NCC, Earn and Learn Scheme of Savitribai Phule Pune University Pune, Library facility, different facilities and sports activities of Gymkhana department, cultural activities organized in the college and participation of students in renowned competitions organized by various colleges and institutions in Pune and outside Pune and general information regarding Office Administration.

Use of Advanced technology

In many of the fields we are using Advanced Technology/ICT. Future activities are Online Admissions, Students Attendance, Alerts to parents of students of the College regarding their performance and attendance in the class, making available the facility of online communication of parents with teachers and students with their teachers regarding performance of students and also the academic issues. We have proposed to take benefit of Gateway facility for the payment of fees online using credit cards, debit cards, paytm and so on.

Digital Record Room

Digitization of old and current Record relating to the Students and Staff and of important document has been undertaken. The Idea of digitization to scan old records and with the use of data retrieval software, retrieve the data as and when required, still in process and which is very helpful in getting the old information/record on the tip of fingers without wasting more time. The system of digitization resulted in saving of major issues like use of manpower and to saving of time in finding the old record. We have observed that digitization is the best solution for saving the storage space. The administrative staff is getting very much benefit of this system. It has become very easy & to get the digitized data for preparation of the duplicate T.C. or Mark sheet etc. This will help in lot to achieve the object of paperless office.

General administration and examinations:

The academic year 2016-17 was quite an eventful year. The routine administrative work was carried out smoothly due to the excellent co-operation of all the members of the staff. With the help of all the staff we were successful in carrying out office work smoothly. Staff offered good co-operation in discharging important responsibilities, such as conduct of Savitribai Phule Pune University, Pune Theory Examinations, and H.S.C. Board Theory Examinations etc. Office staff is taking maximum efforts to support the newly introduced system of **Online Question Papers, Barcode System** for the answer books. We have also conducted all the First Year (College) exams successfully in all respects. With the help of 'Vridhhi'

Software, we have completed the exam activities. Utmost care was taken in carrying out all types of examinations Theory /Practical/ Internal/ Tutotrial/Terminal (Term end) /Annual Examinations of College/University as well as H.S.C. Board, Pune examinations smoothly.

Medical Examinations of First Year Students were also conducted on behalf of the Savitribai Phule Pune University, by the Committee constituted by the college. Committee carried out this activity with the help of Teaching Staff and Non-teaching Staff from office and staff from Laboratories. Proper classwise schedule of all First Year Students was prepared. The adequate team of doctors for the medical examination carried out this examination work smoothly.

The Accounts and Administrative section of the college has almost taken efforts to see that, all the work relating to Provident Fund & PF slips. Service Books of all teaching & non-teaching staff of Senior and Junior College are also being updated & scanned. Various claims & disbursement of all the pending arrears of the staff is completed, 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 taken to achieve full computerization of the office work. The Accounts Section is taking utmost care to complete all accounting work accurately & within time schedule. Care is being taken to disburse all the amounts in time, received from the Government & other authorities. The internal audit of all the Units of the college, as well as the Statutory Audit for the year 2015-16 has already been completed. The Audit of the current year i.e. 2016-17 has been initiated. Under the able guidance of Principal, Dr. R. S. Zunjarrao, Vice-Principal Prof. S.S. Deshmukh, the Statement of Expenditures and Utilization Certificates and Audit regarding different schemes and projects sanctioned by the different funding agencies have been completed in time. We thank Dr. Y.R. Waghmare, Prof. S.S. Thengadi, Prof S.R. Chaudhari and all other staff involved in this regard.

We are very much thankful to all the teaching and non-teaching staff, particularly Prof. S.S. Thengadi and Prof. S.R. Chaudhari for the efforts they have taken for. We also thank to all other staff members who have directly or indirectly involved in getting various Grants from U.G.C./D.S.T./BCUD and such other funding agencies for different Projects and Schemes.

From last few years we are implementing the 'Earn & Learn Scheme' introduced by Savitribai Phule Pune University ' where the students are selected on the basis of their financial and socio economic background by conducting their interviews and are given

opportunity to work and earn money while learning. Accordingly maximum number of students from different classes were given chance to work either in the library, office or in different departments. Assistance from the students is also helpful in the respective departments for completing the work in time and students are also getting some administrative experience, which will be helpful to them in future. This scheme is strictly implemented as per rules and regulations and guidelines given by the University.

The workshop for Salary Budget organized by the Joint Director's office and such other workshops relating to salary and Non-Salary Grants, CAS, Staff Approvals, the workshops for Teaching and Non-Teaching Staff Placements and Promotion, Pay Fixation etc were also attended by staff in Admin Section. The workshops organized by the Social Welfare Office regarding online Scholarship and Free ships and approval of fees of various grant and non grant courses were also attended by Registrar and Smt. Sasane Sunita.

H.R. and Training programme

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

In order to complete the required documentation and to bring the uniformity regarding NAAC Reaccreditation due in 2016.

• Congratulations – for special achievements

Congratulations to all the teaching and non-teaching staff for getting this year's 'CLEAN AND BEAUTIFUL COLLEGE' award of Progressive Education Society, Pune-5.

Congratulations to Shri. Mahade Namdeo nominated as Representative of Non-teaching Staff on the Local Managing Committee. (Until the new University Act comes in to force).

Congratulations to our College Gymkhana Departments, P.E. Teachers and the students participating in different individual and team events at State level and national level and winning maximum numbers of medals. Congratulations to all other students also who have participated in various sports activities during the academic year either individually or as a team member and made efforts to win.

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

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

Congratulations to Teaching and non-teaching Staff who have participated in different team events for the

Sports Competitions organized by the Progressive Education Society in the Memories of Guruwarya Shankarraoji Kanetkar and winning the Final Matches: Winner in Cricket and Volley Ball (Gents) and Ladies Teams winner in dodge ball and Throw Ball.

Congratulations to Dr. R.B. Barmukh Associate. Professor in Botany, Shri. Thipse Y. S. Teacher in Electronics, from Jr College, Shri Ramesh Dalvi, Lab. Attendant from Department of Physics. for getting Meritorious Bes Teaching /Non-Teaching Staff Award of P.E Society Pune-5. for the year 2015-16.

We congratulate and welcome Shri. Ganesh Sathe, Office Superintendent, who joined our office from 1st March 2017.

Best of luck to all those Teaching and Non-Teaching Staff pursuing their higher education, for Non-teaching appearing for various Board and University examinations and also congratulations to those getting Success in HSC and University level examinations and MS-CIT Examinations during the year.

• **Best wishes for the retiring staff**

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

1. Prof Alhat V. B. (V.P. Junior College) 31st Dec 2016.
2. Dr. Mrs. Rahane S. K. (Teacher in Commerce) 31st Oct 2016.
3. Shri. Tangade V. R. (Peon, office) 30th Jun 2016.

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

The Chairman Local Managing Committee and Junior College Committee, the Principal, Prof. In-charge MCA & Vice Principals constantly guided and inspired the Office staff in their day-to-day work. Particularly the guidance provided by Prof. P. S. Chirputkar, Dr. A.K. Pande, Prof S.S. Deshmukh and Prof S. R. Chaudhari. Prof Dr. Dixit P. G., Prof S.S. Thengadi, Prof. S.K. Ujlambkar in respect of the financial and UGC matters, particularly for getting Grants for the college from different sources and utilization of these grants. Guidance provided by Prof. A.G. Gosavi and Dr. Y. R. Waghmare in accounting work was beneficial to the Accounts section. The office staff expresses its gratitude towards all these Office Bearers.

Mr. Ravindra P. Kale, Registrar

Department of Economics

Activities:

(1) The Department of Economics of *Progressive Education Society's* Modern College of Arts, Science and Commerce, Shivaji Nagar, Pune 5, organized a **National Conference on "Make in India"**, under the Quality Improvement Programme of Savitribai Phule Pune University, on 7th and 8th of February 2016-2017.

Make in India initiative launched by Hon. Prime Minister Narendra Modi was an initiative aimed at making India a global manufacturing hub. This not only includes attracting overseas companies in India, but also encouraging domestic companies to increase production within the country. 'Make in India' also aims at increasing the GDP and tax revenues in the country by producing high quality products, creating millions of jobs in the country, minimizing the impact on the environment, fostering innovation, protecting intellectual property, and enhancing skill development. Research papers were invited on topics including the following themes-

- Make in India: Policy context, content and Framework
- Make in India and manufacturing sector
- Make in India and business environment
- Make in India and employment opportunities
- Policy initiatives for Make in India
- Foreign Direct Investment opportunities
- Intellectual Property Rights
- Sectoral reforms for sustainable development
- Corporate social responsibility
- Energy sector for sustainable development
- Make in India and inclusive growth
- Issues and challenges of skill development
- Challenges and issues related to MSME growth
- Role banks in enhancing Make In India
- Role of Digital India initiative in Make In India
- Make In India and Smart cities
- Make In India and e-Commerce
- Any other related topic

About 110 teachers and students from across the country like Pune, Nagpur, Jabalpur, Goa, Delhi and Jaipur participated in the Conference.

- (2) Second Volume of Research Journal 'RESECO' with ISSN no. **2395-686** was published on 8th Feb 2017. About 37 papers were received on different themes of 'Make in India' out of which 35 papers were published in the journal. The Papers were contributed by teachers and students from all over India.
- (2) The Department of Economics and PhD Research Centre in Economics also organized a Workshop on NAAC preparations and Quality Enhancement through Research and Innovations in Teaching and Learning on 14th December 2016. Dr Pushpa Ranade, Principal, Siddhivinayak College, was invited as the expert for guidance.
- (3) The students of Economics Department made Currency Museum in department which was highly appreciated by the NAAC peer team. Currencies of different countries and different times were exhibited.

- (4) The Department also organized a Guest lecture by Dr. Pradeep Apte on GST on 7th Sept. 2016.
- (5) Dr Madhu Satam, Head of the Department was appointed as the College Exam Officer from March 2017.

Dr Madhu Satam
Head

Department of English

- 1) An English Meet was organized in July 2016 by TY BA and MAII year students to welcome the newly admitted students. Students organized literary quiz, English songs and a talent show. It was a fun as well as academic gathering.
- 2) Reeti Banerjee and Rushav Sahu participated in a Power Point Competition organized by Ness Wadia College. They won the first prize at the competition.
- 3) Reeti Banerjee and Rushav Sahu participated in a Quiz and Debate competition organized by B. J. Medical College.
- 4) Rushav Sahu won the Best Student Trophy of the College.
- 5) An Alumni Meet was organized on 27th August 2016. 25 past students from different job avenues were present. They guided the present students about various career opportunities available after their graduation and post-graduation.
- 6) An Industry Academia Meet was organized on 8th December 2016. Heads of the Department of other city colleges, students and department colleagues attended the meet. The following experts were invited from the language industry. Mr. Shirish Sahastrabuddhe, ELTIS Symbiosis, chaired the session.
 - a) Lisa Vongeyer – Instructional Design
 - b) Prajwal Channagiri – Japanese language expert, interpreter and Director Happy Seeds India Pvt. Ltd.
 - c) Purnima Kundetkar-----Marathi English Translator
 - d) Manisha Sisodia ----- Softskills Trainer
 - e) Dileep Athawale ----- Journalism, Content Writing
 - f) Ketaki Nawathe -----Japanese Translator
- 7) The workshop on Developing Writing Skills was organized on 5th January 2017. This workshop was conducted by Mr. Atharva Apte (Writing Pizza Pune)
- 8) The Wall Paper 'In the Ink' was inaugurated on 8th August at the hands of Principal Dr. R.S. Zunjarrao. The wall paper gave opportunity to the students to develop their writing and presentation skills. We could display 5 editions of the wallpaper this year. We have received enthusiastic student participation for this activity.

- 9) Special coaching classes were held for developing communication skills and for CDS, NDA, Defence entrance examination preparation.

Prof. Alka Kamble
Head

Department of Geography

Activities:

Excursion Tours and Village Survey

- Village survey of Wadu BK, Tahsil – Shirur was conducted in Sep-2016, and Village survey report was prepared by M.A. /M.Sc. Part 2nd students. All the members of the staff and post graduate students participated in the village survey.
- On 11th Jan. 2017 a study tour was arranged for S.Y.B.A. and T.Y.B.A. students to Phulagon, Tahsil-Haveli, Dist. Pune. A Village Survey report was prepared by the students.
- On 31st Jan. 2017 a study tour was arranged for S.Y.B.Sc. students to Hivare Bajar, Dist. Ahmednagar. A Village Survey report was prepared by students.
- On 11th April 2017 a field visit and instrumental survey was arranged for M.A. /M.Sc. Part –I students, to Hanuman Hill, Pune. A longitudinal profile of footpath and Survey report was prepared by students.

Achievements of Staff:

Dr. V. B. Kamble

- Successfully completed Special Winter School/ Refresher Programme which was held from 06th Feb. to 27th Feb. 2017.
- On occasion of Dr. Babasaheb Ambedkar's 126th Jayanti, 'Continuous 14 hours reading *Abhiyan*' conducted on 13th April 2017.
- Special guest lecture was conducted by the Collector of Nanded District for MPSC guidance. Lecture was delivered more than six hours continuously.
- Lecture was delivered in Modern College, Pune -05. on occasion of Dr. Babasaheb Ambedkar's 126th Jayanti. On 14th April 2017.

Prof. N.L. Wayal

- One week GIS and RS certificate course was conducted in December 2016.
- Refresher Programme was successfully completed from 10th Feb. to 03rd March 2017 at NIT, Agartala.

Dr. Nayana J Kulkarni, Head

Department of German

The year 2016-17 witnessed a series of cultural, academic, interdisciplinary events and programs. The

year will mark the successful completion of the first batch of German special students.

- **August 2016: PASCH Skit competition**

PASCH, School Partners for the Future, organized various competitions for the students of German. The department of German hosted the Skit Competition, wherein our college group also performed a skit in German called ,Die Drei Ringe‘(‘The three Rings’). The skit was written and directed by Ms. Etisha Botre, Department of German.

- **August 2016: Commencement of add on courses A1 and A2**

The yearly ritual of offering and starting add on courses for German was commenced. Students from different faculties enrolled for the courses. There were 24 students for level A1 and 7 for level A2.

- **August 2016: Talk with Ms. Iris Becker entitled ‘Lets Bridge IT’**

The department co-organized along with the Computer Science Department a guest lecture and a talk of Ms. Iris Becker, Karlsruhe, Founder and CEO, Let’s bridge IT. The talk focused upon the Pune based organization ‘Lets Bridge IT’ which primarily engaged in recruiting Indian IT specialists for German companies and implementing offshore projects with Indian partner companies. The talk was indeed very beneficial for students. They gained information about higher studies and job opportunities in Germany.

- **September 2016: Guest lecture by Ms. Annika Klein, Germany on the topic ‘Food and Drinking habits and culture in Germany’**

Ms. Annika Klein, an intern at the Max Mueller Bhavan, Pune visited the college and delivered an interesting and informative lecture on ‘Food and Drinking habits and culture in Germany’. The lecture gave the students an insight of the culinary world of Germany as also gave them a chance to tell her about Indian cuisine. The students enjoyed having a chat with her, especially because it was all in German. The lecture was open to all the students of German.

- **September 2016 : Wallpaper inauguration**

In order to make students aware about the current affairs and events of Germany, we planned a poster/wall paper making activity. The posters were made by students of T.Y.B.A special students and were displayed on the notice board outside the Language department. They were inaugurated at the hands of Annika Klein.

- **October 2016: Erfinderland Deutschland, a Science Exhibition**

PASCH and Goethe Institut, Max Mueller Bhavan hosted ‘Erfinderland Deutschland’, a travelling, interactive science exhibition of German inventions. It showcases path-breaking inventions from German

scientific disciplines. The focus is on both historic discoveries and pioneering innovations. The presentation included film and audio stations divided into seven themes: Computer Science, Energy, Mobility, Communication, Medicine, Optics and Material. Aimed at students, it encourages the audience to interact with the exhibits. Students tried their hands at the experiments and had fun doing it.

- **October 2016: Welcome function**

The departmental welcome function for all the students of F.Y.B.A., S.Y.B.A. and T.Y.B.A. (special and general) was celebrated with great enthusiasm. Our T.Y. special students took over the planning and execution of the entire program and managed everything fantastically. Games, songs, quiz and refreshments added up to the joy.

- **November 2016: Theresa Geppert, Intern, Germany, Class Observation and Interview**

Theresa Geppert, an intern at the Max Mueller Bhavan, Pune visited the college and did a class observation at Ms. Sneha Mahajan’s class. Students got into conversation with Ms. Ms. Geppert and thereby used their language skills by talking to a native German speaker. It really boosted their confidence. Ms. Geppert is a research student, currently writing her Master Thesis on the topic ‘Multilingualism in German teaching in India’. She interviewed Ms. Mahajan as a part of her research project.

- **November 2016: Film Workshop**

Ms. Sneha Mahajan, department of German held a film workshop for the students of German from Modern, S.P. and Fergusson College. The movie ,Das Leben der Anderen’ (‘The Lives of Others’) deals with the life in the former East Germany which forms a part of their curriculum under the topic ‘Post war history of Germany’. The workshop consisted of a pre-screening activity, some tasks during the screening with a post movie discussion. It helped the students understand the concept of ,Stasi’(‘State Secret Police’) which had terrorized the lives of East Germans.

- **December 2016: Lecture/Presentation on ‘Christmas Celebration in Germany’**

Christmas is the most important festival of all the German speaking countries. As a part of the intercultural forum of the department of German, a lecture on ‘Christmas Celebration in Germany’ was organized for the students. The lecture was held by Ms. Sneha Mahajan, department of German. The students got an idea about the festivities and the rituals with the help of PPT, photos and videos.

- **December 2016: Christmas Celebration**

A small Christmas celebration was organized for the students. Nikolaustag, in English, Secret Santa, a gift exchange ceremony in Germany was incorporated in

this event. Students had fun getting gifts, singing German Christmas carols, sharing their knowledge of Christmas along with some snacks.

- **January 2017: Mr. Olav Schröer, Head, PASCH, College Visit and talk**

Mr. Olav Schröer, Regional Head of PASCH India, visited the college and engaged the students in an interactive session. The students, with great curiosity, asked him many things about Germany and got them all answered by Mr. Schröer. He encouraged the students to continue pursuing the language ahead and guided them to think of German as a career option. It was indeed a very fruitful session. Ms. Shivali Gore, Coordinator, PASCH, Pune accompanied Mr. Schröer.

- **January 2017: Birgit Langeder workshop on Umwelt Gedichte**

An Austrian Intern, Birgit Langeder, held a lecture on 'Environmental Poetry'. The lecture was attended by students of S.Y.B.A and the poems were a part of the curriculum. The innovative method of teaching by Ms. Langeder and the interaction between the students and Ms. Langeder made it successful. Ms. Langeder also gave the students an insight upon the measures of environmental protection taken in Austria as also about the waste management in Austria.

- **December 2016: Philosophy guest lecture 'Introduction to Kantian Philosophy'**

Students of T.Y.B.A German special have a course of Philosophy called 'Introduction to Philosophy'. Three world renowned German philosophers: Immanuel Kant, Friedrich Nietzsche and Martin Heidegger along with some basic knowledge and background of Philosophy are included in the course. Philosophy expert and HoD Philosophy, S.P. College, Dr. Vaijayanti Belsare simplified philosophical terms to the students which helped them understand the subject in a better and effective way.

- **January 2017: Psych-Deutsch**

The first interdisciplinary event for the year was co-organized by the department along with the Psychology department. As German Philosophers, even German Psychologists are world renowned and hence are being studied widely. The purpose of this program was to enable students enrich their knowledge and soft skills by writing and presenting a paper on German Psychologists and their theories. Austrian intern, Birgit Langeder also attended the seminar and was very happy and appreciated the motivation and enthusiasm of the students.

- **February 2017: Cooking competition**

As a part of the cultural program, the department organized two competitions, one of which was the cooking competition. Students from 11th to T.Y. actively

participated in the competition and displayed their culinary skills by cooking authentic German dishes.

- **February 2017: Essay writing competition**

The next competition was the essay writing competition. Students were given topics to write essays in German. It proved to be a good chance for the students to showcase their German language skills and all of them did a good job.

- **February 2017: German Day**

The concluding and the finale event for the academic year 2016-17 was the 'German Day', the annual departmental fest. This cultural program comprised of Inaugural Function of the department of German (which was started in the year 2015) as well as the Prize distribution ceremony of the competitions. The event was graced by Dr. Christoph Senft, Director, DAAD, Pune as the guest of honor, Dr. Sunanda Mahajan, Coordinator, German Section, Head of the department of Foreign Languages, SPPU and Ms. Shivali Gore, Coordinator, PASCH, Pune.

Students exhibited their talent in form of German dance, songs and a short play. The German special students of the department played a vital role in the organization and execution of the program.

- **Film screening**

We, at the department of German believe in the genre of Films as an interesting and more importantly an effective way of teaching and learning as also a medium of improving their language skills. Considering this, several movies were screened this year. The movies shown were a part of the curriculum and hence served fruitful for the students.

Achievements of Students

- Ms. Aditi Jagdale, Ms. Aishwarya Mahajan (T.Y.B.A. German special), Ms. Sai Kolhatkar (S.Y.B.A. German special) and Ms. Shriya Satwe (F.Y.B.A) participated in the German Theatre Competition called 'Forum Deutsch' and won a special consolation prize. Commendable is that Ms. Aditi and Ms. Aishwarya were writers, directors as well as actors.
- Mr. Atharva Golwilkar and Ms. participated in a two days theatre workshop organized by PASCH. The workshop took place in Panchagani.
- Ms. Ashwami Patil won the first prize in the Essay Writing Competition organized by the department of Foreign Languages, SPPU.
- Ms. Aishwarya won first prize in the poetry competition at the departmental fest competitions in Fergusson College.
- Ms. Sai Kolhatkar, Ms. Shravani Vaze and Ms. Aditi Jagdale won the first prize in the Egg Painting competition held in Fergusson College.

- Ms. Avanti Deval will be participating in a four days PASCH Youth Camp in Goa in the month of May.

Achievements of Teachers

Sanjeevani Kuvalekar attended the workshop series of Cooperative Learning organized by the 'Centre for Innovations in Teaching and Learning', Modern College, Shivajinagar, Pune 5. The series took place from July 2016 - February 2017.

- Sneha Mahajan got a three weeks scholarship from PASCH to participate in a teachers' training program in Munich, Germany.
- Sanjeevani Kuvalekar attended the Film Seminar organized by PASCH
- Sanjeevani Kuvalekar, Etisha Botre, Sneha Mahajan attended the Workshop on Phonetics by German Expert Marcel Hinderer
- Sanjeevani Kuvalekar, Sneha Mahajan attended the Regional PASCH Teachers' Conference 2016, Faridabad
- Sanjeevani Kuvalekar was a part of a German Translation Project. The group translated subtitles of few scenes of a German film called Finsterworld and presented a paper at the GIP Conference (a trio conference of SPPU, University of Mumbai and University of Göttingen, Germany)
- Etisha Botre, Sneha Mahajan attended the workshop 'Landeskunde im DaF Unterricht' by German Expert Jasmin Gantschi.
- Etisha Botre successfully completed her M.Phil with grade A. Her topic was 'Portrayal of India in German Press 2000-2015'
- Sneha Mahajan attended a workshop on 'Landeskunde im DaF Unterricht'
- Etisha Botre attended a workshop on 'Grammatik im DaF Unterricht'
- February 2017: Sneha Mahajan was a part of a Theatre group and performed a play at the 'German Week' of SPPU, an international Conference, a research Colloquium and the annual board meeting of GSI (Goethe Society of India). The topic of the Conference as well as of the play was 'Boundaries and boundary crossings, Migration and Integration'.
- Sanjeevani Kuvalekar, Etisha Botre and Sneha Mahajan attended the German Week
- Etisha Botre got a two weeks scholarship from PASCH to do a language course in Munich, Germany.

Prof. Sanjeevani Kuvalekar, Head

हिंदी विभाग

हिंदी विभाग में प्राचार्य डॉ. राजेंद्र झुंझारराव जी के मार्गदर्शन में इस शैक्षणिक वर्ष में पुरानी गतिविधियों के साथ ही कुछ नई, महत्वपूर्ण गतिविधियों और कार्यक्रमों का आरम्भ हुआ है। इस वर्ष के इन सभी कार्यक्रमों का विवरण इस प्रकार है –

- **हिंदी दिवस समारोह** – हिंदी विभाग में २४ सितम्बर २०१६ को हिंदी दिवस मनाया गया। कला शाखा की उपप्राचार्या डॉ. नयना कुलकर्णी, स.प. महाविद्यालय के असोसिएट प्रोफेसर तथा अनुवादक, लेखक डॉ. गोरख थोरात जी की प्रमुख उपस्थिति में हिंदी दिवस मनाया गया। इस समारोह के उपलक्ष्य में हिंदी के सभी छात्रों के लिए “हिंदी में रोजगार के अवसर” इस विषय पर डॉ. थोरात जी का व्याख्यान आयोजित किया गया था।
- **हिंदी दिवस के उपलक्ष्य पर हमने सितम्बर में कुछ प्रतियोगिताएं आयोजित की थी –**
- **हिंदी निबंध-लेखन प्रतियोगिता – पुरस्कारप्राप्त छात्र -**
 १. दिवकल पुरोहित [द्वितीय वर्ष, कला] प्रथम
 २. राहुल गुप्ता [प्रथम वर्ष, वाणिज्य] – द्वितीय
 ३. समरीन शेख [प्रथम वर्ष, वाणिज्य] – तृतीय
 ४. अश्विनी ननावारे [प्रथम वर्ष, कला] – प्रोत्साहनपरक
 ५. अमीषा सोडे [द्वितीय वर्ष, कला] – प्रोत्साहनपरक
- **हिंदी विज्ञापन लेखन प्रतियोगिता – पुरस्कारप्राप्त छात्र -**
 १. सदियाह काजी [प्रथम वर्ष, कला] – प्रथम
 २. लीना उत्तेकर [प्रथम वर्ष, वाणिज्य] – द्वितीय
 ३. गायत्री पिंप्रीकर [प्रथम वर्ष, वाणिज्य] – तृतीय
 ४. प्रिय सामक [प्रथम वर्ष, वाणिज्य] – प्रोत्साहनपरक
 ५. प्रियंका चौधरी [द्वितीय वर्ष, कला] – प्रोत्साहनपरक

इन सभी पुरस्कारों का वितरण डॉ. गोरख थोरात और डॉ. नयना कुलकर्णी जी के करकमलों द्वारा किया गया।
- **Spoken Hindi Workshop for foreign students -**

हमारे महाविद्यालय के विदेशी छात्रों को विभिन्न स्थानों पर हररोज के कार्य व्यापारों में भाषा के सन्दर्भ में अनेक कठिनाइयों का सामना करना पड़ता है। अतः हमारे सभी विदेशी विद्यार्थी सरल हिंदी भाषा के द्वारा सबसे संपर्क स्थापित करने में सक्षम हो इसलिए हिंदी विभाग की ओर से डॉ. प्रेरणा उवाळे जी के संयोजन में २३ नवम्बर २०१६ को हमारे और पुणे शहर के प्रमुख महाविद्यालयों में पढ़नेवाले विदेशी छात्रों के लिए एकदिवसीय “SPOKEN HINDI WORKSHOP” (हिंदी भाषा कार्यशाला) का आयोजन किया गया। हमारे महाविद्यालय के अतिरिक्त मॉडर्न कॉलेज, गणेशखिंड, नौरोसजी वाडिया, निजाम कॉलेज, फर्ग्युसन महाविद्यालय आदि में पढ़नेवाले छात्र इस कार्यशाला

में सम्मिलित हुए। भारत तथा विदेशी विश्वविद्यालयों में पढ़ानेवाले सुप्रसिद्ध हिंदी भाषातत्त्ववेत्ता डॉ. सुमित पॉल जी ने इस कार्यशाला में छात्रों का मार्गदर्शन किया।

- “आज के शब्द” – इस वर्ष हमारे प्राचार्य डॉ. राजेंद्र झुंजारराव जी संकल्पना से महाविद्यालय में हिंदी विभाग ने “आज के शब्द” नाम से नई गतिविधि १३ दिसंबर २०१६ से आरम्भ की गई। इसका उद्देश्य हिंदी का समृद्ध शब्द भंडार सब तक पहुँचाना तथा सबका ज्ञानवर्धन करना है। इसमें प्रतिदिन समान से लगनेवाले परन्तु भिन्न अर्थ होनेवाले दो हिंदी शब्द अर्थसहित फलक पर लगाये जाते हैं।
- “अरुणिमा” : हिंदी भित्तिपत्रिका – हिंदी के छात्रों की सृजन क्षमता को बढ़ाने हेतु हिंदी विभाग में “अरुणिमा” नामक भित्तिपत्रिका का आरंभ १४ दिसंबर २०१६ से किया गया। हर महीने इसमें छात्रों द्वारा लिखित हिंदी लेख, कविताएं चित्र, सुविचार, लघुकथा आदि को फलक पर लगाया जाता है। हमारे हिंदी के छात्र ही इसका संपादन कर रहे हैं।
- “संचार माध्यमों में भाषा के जरिए रोजगार के अवसर” : एकदिवसीय कार्यशाला – संचार माध्यमों के पत्रकारिता, विज्ञापन, सूत्रसंचालन, साक्षात्कार, रिपोर्ट लेखन तथा डबिंग, वीडियो ओवर, कॉपीराइटिंग आदि क्षेत्रों में भाषा के जरिये किस प्रकार रोजगार के अवसर प्राप्त हो सकते हैं, इस सन्दर्भ में संबंधित विद्वानों का मार्गदर्शन प्रस्तुत कार्यशाला में छात्रों को मिला। विद्यार्थी कल्याण मंडल, सा. फु. पुणे विश्वविद्यालय के अनुदान से महाविद्यालय में हिंदी और मराठी विभाग द्वारा कार्यशाला का आयोजन किया गया था। इसमें पुणे शहर के लगभग सभी महाविद्यालयों के हिंदी और मराठी विषय विशेष रूप में पढ़नेवाले छात्र सम्मिलित हुए। कार्यशाला का संयोजन डॉ. निशा भंडारे और डॉ. प्रेरणा उबाळे जी ने किया।
- व्यक्तिगत उपलब्धियाँ
- डॉ. प्रेरणा उबाळे –
- १. सहसंपादक और सहलेखक के रूप में “काव्यकस्तुरी” शीर्षक काव्यसंग्रह प्रकाशित – मई २०१६
- २. यूनिवर्सल विज्ञान इंग्लिश मीडियम स्कूल, चिंचवड, पुणे के हिंदी अध्यापकों को ‘पाठशाला में हिंदी विषय तथा व्याकरण कैसे पढ़ाएँ’ इस सन्दर्भ में मार्गदर्शन – १५-जून २०१६
- ३. दुर्गा चैरिटेबल ट्रस्ट, पुणे द्वारा ग्रामीण विभाग के हिंदी अध्यापकों के लिए आयोजित ‘हिंदी व्याकरण कार्यशाला’ में मार्गदर्शन – १३ अगस्त २०१६
- ४. साहित्य संस्था, पुणे द्वारा आयोजित राज्यस्तरीय काव्यवाचन प्रतियोगिता के परीक्षक के रूप में कार्य – ०४ सितम्बर २०१६
- ५. आई. डी. बी. आई. बैंक, बाणेर, पुणे के प्रादेशिक कार्यालय में हिंदी दिवस समारोह में प्रमुख अतिथि और वक्ता के रूप में आमंत्रित – १७ सितम्बर २०१६.

- ६. “मराठबोली” दीपावली पत्रिका में “लोकसाहित्य : स्वातंत्र्यकाळातील खरा मीडिया” लेख प्रकाशित – अक्टूबर २०१६
- ७. पूना कॉलेज ऑफ आर्ट्स, सायन्स एंड कॉमर्स, पुणे द्वारा आयोजित एकदिवसीय राष्ट्रीय संगोष्ठी “हिंदी साहित्य में राष्ट्रीय एकता एवं सांप्रदायिक सद्भाव” में “हिंदी नाटक एवं एकांकी : सांप्रदायिक सद्भाव के परिप्रेक्ष्य में” शीर्षक शोध आलेख प्रस्तुत ०४ जनवरी २०१७
- ८. पूना कॉलेज ऑफ आर्ट्स, सायन्स एंड कॉमर्स, पुणे द्वारा आयोजित द्विदिवसीय अंतर्राष्ट्रीय अंतर्विद्याशाखीय संगोष्ठी “Contemporary Issues in Social Sciences, Languages and Literature” में “हिंदी नाटक – एकांकी में समसामयिक बोध और नए आयामों की तलाश” शीर्षक शोध आलेख वाचन। यह आलेख संगोष्ठी की ISBN नंबर की पत्रिका में प्रकाशित हुआ २७ २८ फरवरी २०१७
- ९. एस. एन. डी.टी. कला और वाणिज्य महाविद्यालय, पुणे द्वारा आयोजित दो दिवसीय राष्ट्रीय अंतर्विद्याशाखीय संगोष्ठी “Contemporary women’s writing: Issues and Challenges” में “मैत्रेयी पुष्पा के चिन्हार में स्त्री – अस्मिता एवं सम्मान के सवाल” शीर्षक शोध आलेख प्रस्तुत। यह आलेख संगोष्ठी ISBN नंबर की पत्रिका में प्रकाशित भी हुआ – १७ १८ फरवरी २०१७।
- १०. मॉडर्न महाविद्यालय, शिवाजीनगर, पुणे ०५ के “Centre for Innovations in Teaching, Learning and Evaluation” द्वारा आयोजित “सहयोगपूर्ण शिक्षा पद्धति” पर आधारित कार्यशाला की शृंखलाएं पूर्ण की – जुलै २०१६ से फरवरी २०१७
- ११. मराठबोली संस्था, पुणे द्वारा ‘नवोदित लोककवि पुरस्कार’ से सम्मानित १९ फरवरी २०१७
- १२. साहित्य संस्था, पुणे द्वारा आयोजित राज्यस्तरीय काव्यवाचन प्रतियोगिता में परीक्षक के रूप में कार्य ०५ मार्च २०१७
- १३. हिंदी विभाग, शाहू मंदिर महाविद्यालय, पुणे में प्रथम वर्ष, वाणिज्य की हिंदी मौखिकी परीक्षा में बाह्य परीक्षक के रूप में कार्य – ०६ मार्च २०१७
- १४. सोनुभाऊ बसवंत कॉलेज ऑफ आर्ट्स एंड कॉमर्स, शहापूर, ठाणे और Center for Humanities and Cultural Studies, कल्याण, ठाणे के संयुक्त तत्वावधान में “Human Concerns and issues in Literature, Social Sciences, Commerce, Science and Technology” विषय पर आयोजित एकदिवसीय अंतर्राष्ट्रीय संगोष्ठी में “मानवता(वाद) और साहित्य” शीर्षक शोध आलेख प्रस्तुत – ०८ अप्रैल २०१७। यह शोधालेख ISBN नंबर की पत्रिका में प्रकाशित भी हुआ।
डॉ. प्रेरणा उबाळे, विभागाध्यक्षा

Department of Marathi

Department of Marathi has a post graduate and research centre. This department has students from Arts, Science and Commerce faculties. During this year the department had an exhaustive schedule of curricular and extra-curricular activities. The staff consists of following faculty members.

- 1) Dr. Snehal Tawre
- 2) Dr. Nisha Bhandare
- 3) Dr. Madhura Koranne
- 4) Dr. Vaijayantimala Jadhav
- 5) Dr. Gajanan Apine

For P.G. section we have 50 students, 23 students are pursuing their research work and U.G. section for second and third year B. A. we have 24 students who have opted for Marathi as a special subject.

During this year we organized 'Marathi Din'.

कुसुमाग्रज जन्मदिनानिमित्ताने आयोजित मराठी भाषा गौरव दिनानिमित्त खालील कार्यक्रमांचे आयोजन करण्यात आले.

१. मराठी पदव्युत्तर संशोधन केंद्रातर्फे 'मॉरिशसमधील मराठी भाषा आणि साहित्य' या विषयावर डॉ. गौरीया होमराजन (मॉरिशस) यांचे व्याख्यान आयोजित करण्यात आले.
२. श्रीमती सुषमा शिंदे (दुबई) यांचे 'माझा नाट्यप्रवास' या विषयावर मराठी विभागातर्फे व्याख्यान आयोजित करण्यात आले होते. या व्याख्यानाला मोठ्या प्रमाणात विद्यार्थी उपस्थित होते. श्रीमती सुषमा शिंदे यांनी दुबईसारख्या देशामध्ये मराठीच्या विकासासाठी नाटकाच्या माध्यमातून केलेले प्रयत्न याबद्दलची माहिती अभिनयासह दिली.
३. २७ फेब्रुवारी २०१७ ला राजभाषा दिनानिमित्त रेडिओ FTII ९०.४ यांनी सलग ८ तास कुसुमाग्रज जन्मदिवसानिमित्त थेट प्रसारणाचा कार्यक्रम घेतला. यामध्ये आमच्या पदव्युत्तर विभागातील विद्यार्थ्यांनी नाट्यवाचन केले. त्यांना डॉ. मधुरा कोराबे यांनी मार्गदर्शन केले.
४. राजभाषा दिनानिमित्त महाविद्यालयाच्या मराठी विभागात डॉ. स्नेहल तावरे, विभागप्रमुख यांनी 'मराठी शब्दकोशाचे महत्व' याबद्दल मार्गदर्शन केले. शब्दकोशाच्या वापरामुळे ज्ञानाच्या कक्षा कशा विकसित होतात हे प्रात्यक्षिकासह सांगितले. यावेळी डॉ. गजानन अपिने, डॉ. मधुरा कोराबे यांची व्याख्याने झाली.
५. मराठी विभागातील डॉ. वैजयंतीमाला जाधव यांनी विकिपीडिया वर मॉडर्न महाविद्यालयाविषयी माहिती लिहून त्यात भर घातली. २८ फेब्रुवारी २०१७ रोजी शिवाजी विद्यापीठात मराठी साहित्यातील विविध वाङ्मयीन प्रवाह यावर एक दिवसीय चर्चासत्र झाले त्यासाठी त्या उपस्थित

राहिल्या.

६. मराठी विभागातर्फे महाविद्यालयातील विद्यार्थ्यांसाठी मराठी भाषेविषयक जोडक्षर विरहित स्पर्धा आणि हस्ताक्षर स्पर्धांचे आयोजन करण्यात आले. यामध्ये प्रथम ३ क्रमांकाच्या विद्यार्थ्यांचा पुस्तक देऊन गौरव करण्यात आला. स्पर्धेतील पारितोषिक प्राप्त विद्यार्थी खालीलप्रमाणे आहेत.

जोडक्षर विरहित स्पर्धा पारितोषिक प्राप्त विद्यार्थी

१. दीपाली दहिभाते, एम.ए. भाग १
२. अचला नामजोशी, एस.वाय.बी.ए
३. रूपाली वर्पे, एम.ए. भाग १
४. निकिता जगताप, एस.वाय.बी.ए
५. रोजा चावरे, एम.ए. भाग १

हस्ताक्षर स्पर्धा पारितोषिक प्राप्त विद्यार्थी

१. सोनम खेराडे, एस.वाय. बी.ए.सी
२. श्रुती जोशी, एम.ए. भाग १
३. विवेक जगताप, एस.वाय. बी.ए.सी
४. दीपाली दहिभाते, एम.ए. भाग १
५. मुग्धा गांधी, एस.वाय. बी.ए.सी

७. डॉ. स्नेहल तावरे यांचे मराठी भाषा गौरव दिनानिमित्त खालील महाविद्यालयांमध्ये व्याख्याने झाली. या सर्व कार्यक्रमांच्या मानधनाच्या रकमेची मराठी पुस्तके डॉ. स्नेहल तावरे यांनी महाविद्यालयांना भेट दिली.

१. 'मराठी भाषेचे महत्त्व आणि नोकरी -व्यवसायाच्या संधी' या विषयावर डॉ. स्नेहल तावरे यांनी अप्पासाहेब जेधे महाविद्यालय येथे व्याख्यान दिले.
२. 'मराठी भाषा विकास आणि संवर्धन' या विषयावर डॉ. स्नेहल तावरे यांनी श्री शाहू मंदिर महाविद्यालय येथे व्याख्यान दिले.
३. श्री.स. गंगागीर महाराज महाविद्यालय कोपरगाव येथे 'मराठी संशोधनाचे स्वरूप आणि दिशा' या विषयावरील चर्चासत्राचे उदघाटन आणि बीजभाषण डॉ. स्नेहल तावरे यांनी केले.
४. 'मराठी भाषेतील नोकरी-व्यवसायाच्या संधी' या विषयावर टिळक महाविद्यालय येथे डॉ. स्नेहल तावरे यांचे भाषण आणि भित्तिपत्रकाचे उदघाटन झाले.
५. 'मराठी भाषेतील नोकरी-व्यवसायाच्या संधी'
८. मराठी विभागामध्ये काव्यवाचन आणि नाट्यवाचन आयोजित करण्यात आले होते.
९. मराठी गौरव दिनानिमित्त मॉडर्न भित्तिपत्रक तयार करण्यात आले. यामध्ये डॉ. अक्षयकुमार काळे, (अध्यक्ष, अखिल भारतीय मराठी साहित्य संमेलन) यांच्याविषयी विद्यार्थ्यांनी माहिती लिहिली.

कविवर्य कुसुमाग्रजांच्या 'कणा' या कवितेचे भावनांतर
डॉ. स्नेहल तावरे यांनी केले आणि ते विकिपीडियावर टाकले.

डॉ. स्नेहल तावरे:

- १) 'माझ्या जीवनाची जडणघडण' या पुस्तकाचे संपादन व लेखन. १६ ऑक्टोबर २०१६.
- २) मोरीशस येथील ओपन युनिवर्सिटीच्या एंड कम्युनिकेशन्सच्या कोर्सवर तज्ञ म्हणून नियुक्ती.
- ३) मॉडर्न हायस्कूल, विद्यापीठ गेट च्या शिशुमंदिर विद्यालयाच्या पारितोषिक वितरण समारंभात पुरस्कार वितरण.
- ४) 'मी गुलमोहोर' या कवितासंग्रहाचे डॉ. स्नेहल तावरे यांच्या हस्ते प्रकाशन.
- ५) 'मराठी भाषेचे महत्व आणि नोकरी व्यवसायाच्या संधी' या विषयावर अप्पसाहेब जेधे महाविद्यालयात भाषण.
- ६) श्री. शाहू महाविद्यालय 'मराठी भाषेचे महत्व आणि लेखन कौशल्य' या विषयावर भाषण.
- ७) महाराष्ट्र एज्युकेशन सोसायटी तर्फे महिला दिनानिमित्त सत्कार.
- ८) 'सिंधी कथा' या देवी नागरानी यांच्या पुस्तकाला प्रस्तावना लिहिली.
- ९) डॉ. शंतनू चिंधडे संपादित 'चन्द्राक्षरे' या २५ च्या प्रातिनिधिक कवितासंग्रहाचे डॉ. स्नेहल तावरे यांच्या हस्ते प्रकाशन.
- १०) 'विभा: चैतन्यदायी नाट्यसमीक्षक' हा डॉ. वि. भा. देशपांडे यांच्यावर अडरांजालीपर लेख महाराष्ट्र साहित्य पत्रिकेत प्रसिद्ध.
- ११) एस.जी.एम.महाविद्यालय, कोपरगांव येथे 'संशोधनाचे स्वरूप आणि दिशा' या चर्चासत्राचे बीजभाषण आणि उद्घाटन.
- १२) शिरूर येथील 'बृहन् महाराष्ट्रातील साहित्यिकांचे मराठी भाषेला योगदान' या विषयावर अंतरराष्ट्रीय परिषदेच्या समारोपाचे अध्यक्ष.
- १३) मॉरिशस येथील डॉ. गौरीया होमराजन यांचे 'मॉरिशसमधील मराठी भाषेची वाटचाल' या विषयावरील व्याख्यान आयोजित केले.
- १४) दुबई येथील नाट्य कलावंत श्रीमती सुषमा शिंदे यांचे 'माझा नाट्यप्रवास' या विषयावर व्याख्यान आयोजित केले.
- १५) प्रोग्रेसिव एज्युकेशन सोसायटी तर्फे दिल्या जाणाऱ्या मानपत्राचे वाचन आणि लेखन.
- १६) 'लिओ टॉलस्टॉय, महात्मा गांधी आणि अण्णाभाऊ साठे यांचे विविध क्षेत्रांतील योगदान' या विषयावरील पुस्तकाचे संपादन आणि मॉस्को येथे २ जून २०१७ रोजी डॉ. इरिनाग्लुस्कोवा व श्रीमती ल्यूडमीलासेकाचीवा (अध्यक्ष, BRICS) यांच्या हस्ते प्रकाशन झाले.

डॉ. निशा भंडारे:

१. ३ जानेवारी २०१६ - सावित्रीबाई फुले महिला संस्था - सांगवी पुणे आयोजित व्याख्यान - 'क्रांती ज्योती सावित्रीबाई फुले यांचे महिलांसाठी शैक्षणिक योगदान व आजची महिला'.
२. सावित्रीबाई फुले पुणे विद्यापीठ विद्यार्थी कल्याण मंडळ, राष्ट्रीय सेवा योजना आयोजित 'युवक साप्ताह', स्वच्छ भारत अभियान अंतर्गत 'एकदिवसीय श्रमसंस्कार शिबीर' सहभाग.
३. ७ जानेवारी २०१६ कावेरी कॉलेज ऑफ आर्ट्स, सायन्स अँड कॉमर्स एरंडवणा गणेशनगर पुणे ३८ आयोजित प्रौढ निरंतर विभाग 'उद्योग व्यवसायात महिलांना संधी' विषयावर व्याख्यान.
४. ६ फेब्रुवारी २०१६ सावित्रीबाई फुले पुणे विद्यापीठ आणि नेस वाडिया कॉलेज ऑफ कॉमर्स, पुणे 'राष्ट्रीय सेवा योजना' आयोजित तीन दिवसीय विद्यापीठस्तरीय श्रमसंस्कार शिबीर मु. पो. कोंडीवडे, ता. मावळ पुणे आयोजनामध्ये सक्रीय सहभाग.
५. सावित्रीबाई फुले पुणे विद्यापीठ आणि नाशिक शिक्षण प्रसारक मंडळ, पै. बिंदू रामराव देशमुख आर्ट्स अँड कॉमर्स महिला महाविद्यालय, नाशिक रोड, नाशिक आयोजित राष्ट्रीय चर्चासत्रात निबंध वाचन 'ग्रामीण विकासा सांधणारा रा. से. यो. पूल'.
६. ९ ते ११ फेब्रुवारी पालवी रेसिडेन्शल प्रोजेक्ट फॉर एड्स चिल्ड्रन पंढरपूर या संस्थेच्या सामाजिक उपक्रमाचा एक भाग म्हणून स्वस्त विक्रीच्या स्टॉलमध्ये मदत, व चतुःश्रुंगी परिसरात सहभाग.
७. ८ मार्च २०१६ 'अशी ही मर्दानी' महिला विशेषांकामध्ये 'आत्मविश्वासाचे बळ' लेख प्रसिद्ध.
८. त्रिरत्न बौद्ध महासंघ, धम्मचक्र प्रवर्तन महाविहार, दापोडी पुणे १२, डॉ. बाबासाहेब आंबेडकर यांच्या शतकोत्तर रौप्य महोत्सवी जयंती वर्षानिमित्त व्याख्यानमालेत २९ मे रोजी व्याख्यान - 'बौद्ध धम्म आणि स्त्री स्वतंत्रता'.
९. १५ मे २०१६, दैनिक पुण्यनगरी विशेषांकामध्ये 'महिलांच्या उन्नतीचे प्रेरणास्थान: डॉ. बाबासाहेब आंबेडकर' लेख प्रसिद्ध.
१०. १७ जुलै २०१६, 'सावित्रीबाई फुले पुणे विद्यापीठ मराठी विभाग' पीएच. डी. प्रदान - विषय - रा. ना. चव्हाण यांच्या पुरोगामी वैचारिक लेखांचा अभ्यास'.
११. २९ नोव्हेंबर २०१६, शाश्वत इको सोल्यूशन फाऊंडेशन संस्थेतर्फे ध्वनीविरहीत (फटाके मुक्त दिवाळी) दिवाळी संदर्भात रॅली आयोजनात सहभाग व समारोप 'मॉडर्न महाविद्यालय, शिवाजीनगर, पुणे ५' आयोजन.
१२. डिसेंबर २०१६, पुणे महानगरपालिका वर्धापन दिना निमित्त 'जतन' या कार्यक्रमात सहभाग व 'फोटो स्पर्धेचे

- महाविद्यालयात आयोजन व पुणे शहरातील युवकांसाठीचा पथनाट्य स्पर्धेत परीक्षक म्हणून कार्य केले.
१३. १२ डिसेंबर २०१६, माननीय शरदचंद्र पवार यांच्या वाढदिवसा निमित्त वक्तृत्व स्पर्धेच्या आयोजनात बी.एम.सी.सी. महाविद्यालयात परीक्षक म्हणून सहभाग.
१४. १९ डिसेंबर २०१६, महाराष्ट्र पोलीस वर्धापन दिनानिमित्त पुणे शहरात होणाऱ्या प्रबोधनपर कार्यक्रमात एन.एस.एस.च्या विद्यार्थ्यांचे 'पोलीस व नागरिक संबंध - गैरसमज व समन्वय' या विषयावर पथनाट्य लेखन व सादरीकरण 'शिवाजीनगर परिसर'.
१५. १५ डिसेंबर २०१६, श्रीमती सी. के. गोयल महाविद्यालय, दापोडी पुणे १२ येथे सावित्रीबाई फुले पुणे विद्यापीठ विद्यार्थी कल्याण मंडळ संयुक्त विद्यमाने एक दिवसीय विद्यार्थिनी व्यक्तिमत्व विकास कार्यशाळेत 'महिला सक्षमीकरण' या विषयावर व्याख्यान.
१६. ३ जानेवारी २०१७ विद्यार्थी कल्याण मंडळ, सावित्रीबाई फुले पुणे विद्यापीठ व कॅम्प एज्युकेशन सोसायटीचे डॉ. अरविंद तेलंग सिनियर कॉलेज, निगडी प्राधिकरण पुणे ४४ यांच्या संयुक्त विद्यमाने 'निर्भय कन्या अभिमान' एक दिवसीय कार्यशाळेत 'स्त्रियांचे सामाजिक स्थान' या विषयावर मार्गदर्शन केले.
१७. २०, २१ जानेवारी २०१७ मु. सा. काकडे कला, वाणिज्य महाविद्यालय, सोमेश्वरनगर बारामती दोन दिवसीय राष्ट्रीय चर्चासत्रात 'ग्रामीण लेखिकांच्या कथेमधील सामाजिकता' निबंध सादर.
१८. राज्यस्तरीय 'प्रेरणा' विद्यापीठीय रा. से. यो. तील विद्यार्थी संघाचे नेतृत्व नागपूर विद्यापीठ.
१९. फेब्रुवारी २०१७ विद्यापीठ स्तरीय विद्यार्थी कल्याण मंडळ सावित्रीबाई फुले पुणे विद्यापीठ व महाविद्यालयाच्या संयुक्त विद्यमाने एक दिवसीय मराठी - हिंदी विषयाच्या विद्यार्थ्यांसाठी 'प्रसारमाध्यमांमध्ये भाषेअंतर्गत व्यवसायाच्या संधी' कार्यशाळा संयोजक म्हणून जबाबदारी घेतली. एकूण ६० विद्यार्थी विविध महाविद्यालयातून उपस्थित होते.
२०. रयत शिक्षण संस्था डॉ. बाबासाहेब आंबेडकर कॉलेज औंध पुणे ६७. ६, ७ ऑक्टोबर २०१६, दोन दिवसीय राष्ट्रीय चर्चासत्रात 'साहित्यातील व्यक्तिरेखा आणि मानसशास्त्र' या विषयावर निबंध सादर.
२१. राणी चेन्नम्मा युनिव्हर्सिटी बेळगाव, एक दिवसीय राष्ट्रीय चर्चासत्रात डॉ. बाबासाहेब आंबेडकरांच्या अलक्षित पैलूंवरील विषयाच्या अनुषंगाने 'डॉ. बाबासाहेब आंबेडकरांचे इतर धर्मविषयक विशार' विषयावर निबंध प्रकाशित.
२२. ५, ६ ऑक्टोबर २०१६, रा. ब. नारायणराव बोरावके महाविद्यालय, श्रीरामपूर आयोजित 'बदलते समाजवास्तव आणि नव्वदोत्तरी मराठी साहित्य' या विषयाच्या अनुषंगाने

दोन दिवसीय राष्ट्रीय चर्चासत्रात 'बदलते समाजवास्तव आणि नव्वदोत्तरी ग्रामीण कादंबरीचे स्वरूप' विषयावर निबंध सादर.

प्रा. वैशाली आहरे :

- Ph.D. पदवी प्रदान
विषय: व.पु. काळे यांच्या कथसाहित्यातील मध्यमवर्गीय जीवनदृष्टी व वाङ्मयीन वैशिष्ट्ये - एक अभ्यास.
- मराठी विषयात SET उत्तीर्ण.

Dr. Snehal Taware, Former Head,

Dr. Nisha Bhandare, Head

Department of Marathi and Research Centre

Department of Political Science

In the current globalised world Political Science touches every aspect of our life. After realizing this need our department worked accordingly. We believe in interdisciplinary approach, as social sciences are easy to understand with this approach. Our department engages lectures in Marathi as well as in English. In the academic year 2016-2017 department has successfully started Post Graduate Course in Political Science and received positive response.

Our department consists of six teaching staff members, out of which two were newly appointed from this academic year.

Achievements of the Faculty Members:

1) Prof. Khokale D. L.

- Participated in National Level Seminar on "Tree Plantation on Waste-Land for Sustainable Livelihood" organised by Modern College, Pune.
- Participated & presented a paper in State Level Seminar on "Problem of Human Resources, Deprivation & Human Rights in the Indian Context" organised by Annasaheb Magar College, Pune.
- Participated in State Level Seminar on "New Trends in Social Movements" organised by Jedhe College, Pune.
- Participated in State Level Seminar on "Use of ICT in teaching literature & Social Sciences" organised by H. V. Desai College, Pune.

2) Prof. Mahabal M. S.

- Participated in a State Level Seminar on "Role of Media in Education & Indianisation of Education" organised by SNTD College of Education, Pune.
- Paper Presented in a State Level Seminar on "Role of Media & Education" organised by SNTD College of Education, Pune.

3) Prof. Jadhav H. A.

1. Participated in International Seminar on "EU-India Cooperation on Sustainable Urbanisation" Conducted by Global Relations Forum & Friedrich Elbert Stiftung.

2. Participated in National Level Seminar on "Tree Plantation on Waste-Land for Sustainable Livelihood" organised by Modern College, Pune.
3. Participated & presented a paper titled "Social Deprivation of OBC's" in State Level Seminar on "Problem of Human Resources Deprivation & Human Rights in the Indian Context" organised by Annasaheb Magar College, Pune.
4. Participated & presented a paper titled "Social Movements & Change" in State Level Seminar on "New Trends in Social Movements" organised by Appasaheb Jedhe College, Pune.
5. Participated in State Level Seminar on "Use of ICT in teaching literature & Social Sciences" organised by H. V. Desai College, Pune.
- 4) **Prof. Kulkarni S. U.**
6. Participated & presented a paper titled "Secularism in the Indian Context" in Inter-University Level Competition organised by Mumbai University, Mumbai
- 5) **Prof. Phasate V. R.**
- Participated in State Level Seminar on "Use of ICT in teaching literature & Social Sciences" organised by H. V. Desai College, Pune.
- Participated in National Level Seminar on "Tree Plantation on Waste-Land for Sustainable Livelihood" organised by Modern College, Pune.

Prof. Khokale D. L., Head

Department of Psychology

Activities:

1. **Book Exhibition:** In collaboration with 'Forward Books', an exhibition of text-books and reference books for F.Y. to post graduation, was arranged in the Psychology Department, on 10th August 2016.
2. **Study Visits:** Class wise study visits were conducted in the following institutes.
 - a. S.Y.B.A. – Schizophrenia Awareness Association, Pune.
 - b. T.Y.B.A. – Mauli Seva Pratistan & Snehalaya Foundation, Ahmednagar.
 - c. M.A. I – Pradnya Manas Sanshodhika, Pune.
 - d. M.A. II – Prism Foundation, Pune.
 Students benefited from these visits.
3. **Psyche – Deutsch student's seminar:** In collaboration with German Department an Interdisciplinary students' seminar was organized. Students presented papers on the theme 'Contribution of German Psychologist' Ms. Birgitt Langerder was present as the chief guest.

The following students won prizes.

1st Prize: Avanee Pendse T.Y.B.A.

2nd Prize: Pranita Date, S.Y.B.A.

3rd prize: Shruti Kate & Nikita Jagtap, S.Y.B.A.

Mrs. Aaditi Khare took initiative in conducting this seminar.

4. **3 day Film Festival:** Movies based on Psychological themes were screened.
 Marathi Movie: Amhi asu Ladke
 English Movie: Beautiful Mind
 Hindi Movie: Dear Zindagi

All these movies screening were followed by discussion. Dr. Aruna Kulkarni was present as the expert. It was open for students.

Mrs. Aparna Satpute took efforts to make this festival successful.

5. **Mental Health Day Celebration:** On the occasion of Mental health week, resource persons from Yerawada Mental Hospital, conducted a lecture and an exhibition for spreading awareness about mental health on 4th Oct 2016.
6. **Certificate course on Pre-marital Counseling :** Mrs. Anuja Kulkarni conducted 5 days certificate course on Pre-marital Counseling for M.A.II students. 25 students attended this course.
7. **Counseling Camp:** From the last 10 years psychology department is organizing this innovative event. Total 112 clients got benefit in 3 days camp. M.A. Part II students got experience of handling clients from different age groups and having different problems. Mrs. Shradha Sakatkar was the in-charge of this event.
8. **Collaborations:** This year Psychology department signed MOU's with 3 institutes.
 - i) Peace of Mind Holistic Health Services, Pune
 - ii) Modern Law College, Ganeshkhind, Pune
 - iii) PES's Modern College of Engineering, Pune 05.
9. **Seminars and Paper Presentation:**
 - i) Shradha Nanaware, M.A. II got first prize for paper presentation at 'Marathi Manasshatra Parishad' organized by S.P. College, Pune.
 - ii) Mrs. Suvarna Gore M.A. II Published her research paper in Marathi Manas Patrika
 - iii) 11 students from M.A. II presented their research papers in 26 International and 52 National conference organized by Indian Academy of Applied Psychology. "Psychology for Building Global Community" held at Jaipur. Dr. Amruta Oke and Ms. Smita Vaidya also attended and presented papers at this conference.
10. **Invited Talk:**
 - I) Mrs. Shradha Sakatkar and Mrs. Aparna Satpute delivered lecture on 'Mentoring the students and coping with Burn-out' for Staff of PES's Modern College of Engineering, Pune 05.

CONGRATULATIONS



Dr. Gajanan R. Ekbote
Jeevan Sadhana Gaurav Award,
SPPU



Prof. Jyotsna G. Ekbote
Elected as Corporator, PMC



Dr. Amruta S. Oke
Appointed as Vice Principal- Arts



Dr. Ashok V. Kamble
Appointed as Vice Principal- Commerce



Prof. Bina U. Muttalgiri
Appointed as Vice Principal- Junior College



Prof. Ravindra N. Ingole
Appointed as Vice Principal- Junior College



Dr. Suneeta N. Gosavi
Appointed as Supervisor- Junior College



Dr. Madhu Satam
Appointed as COE - Junior College



Prof. Prakash G. Dixit
Awarded Ph.D. Degree



Prof. Nisha Bhandare
Awarded Ph.D. Degree



Prof. Vaishali Aher
Awarded Ph.D. Degree



Prof. Valmik Wagh
Qualified CBSE-NET in Political Science
Qualified SET in Economics



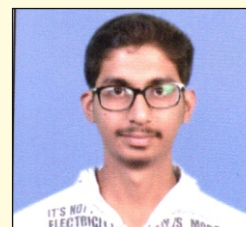
Ms. Pallavi Shewale
Qualified UGC-JRF- NET in Zoology
March 2017



Viraj Dhokale - T.Y.B.C.S.
ICSR (Men)



Komal Waghule - M.Com. II
ICSR (Women)



Jatin Kewalramani - Std XII
Best Student - Junior College

WE THE STAFF



Administrative Staff

Arts Faculty



Science Faculty

WE THE STAFF



Science Faculty

Science Faculty



Commerce Faculty



WE THE STAFF



Junior College



Gymkhana and Library



Office Staff

WE THE STAFF



**Non-Teaching
Staff**

**Non-Teaching
Staff**



**International
Student
Cell**

Avishkar Group



NCC



Swachh Bharat Abhiyan



Singhgad Trek Swachh Bharat Abhiyan



Yoga Day



Anti Drug Rally



Cashless Awareness



Blood Donation camp



Tree plantation



Rice plantation

NSS (Junior and Senior)



NSS - Special Camp - Felicitation



NSS - Road Safety Awareness



Inauguration of NSS office



NSS Trek



NSS - Special Camp



NSS - Andhashraddha Nirmoolan Samiti



NSS - Tree plantation at Warje



NSS - Visit to Chhatrapati Sambhaji Maharaj Memorial

ART CIRCLE



Inaugural function of Art Circle for 2016-17 and Prize distribution of 2015-16 by Actor Mr. Hrishikesh Joshi. Also an Inaugural function of Modern Rotary Club.



Inaugural function of Art Circle for 2016-17 and Prize distribution of 2015-16 by Actor Mr. Hrishikesh Joshi. Also an Inaugural function of Modern Rotary Club.



Still from Firodiya Karandak Finals 2017 : "The Artist"



**Still from Firodiya Karandak Finals.: "The Artist"
First time we entered in the Final round**



Appreciation of our Girls' Dhol-Tasha Pathak by Honourable Principal, Dr. R.S. Zunjarrao



**Auditions for Purushottam Karandak:
One-act play Competition, August 2016**



Still from NAAC Cultural programme



Tabla class

II) Mrs. Shradha Sakatkar delivered lecture on 'Balancing studies with Career' at Arihant Education College, under the Arogya Prabhodan Program for girls students.

III) Mrs. Shradha Sakatkar conducted workshop for 11th std students of Ernst and Young Foundation, on 'Study Skills'.

11. Dr. Amruta S. Oke was appointed as Vice-Principal.

Dr. Amruta S. Oke, Head and Vice Principal

Department of Biotechnology

The department of biotechnology conducted many activities in the year 2016-2017.

In addition to classroom teaching students of F.Y.B.Sc. to M.Sc. II were encouraged to participate in various co-curricular and extracurricular activities.

Every year Department of Biotechnology organizes a two days event for the students of department as well as other departments. This event comprises several activities where students can show their skills apart from studies or allied to studies. The participants taking part in various competitions are encouraged by appreciating their work in the form of prizes. This year's biotech fest was organized on 16th and 17th January 2017 in the Department of Biotechnology. It was a two day event with four different competitions and a group discussion. On the first day of the fest, three different competitions based on same themes, Bio rangoli, Poster competition and Model competition were organized. The themes were Health and Nutrition, Cyber Security and Human Rights and Environmental awareness. These competitions were inter-departmental. Students of department took part in all the competitions with great interest and exhibited their talents through different forms. Around 40 rangoli, 30 posters and 12 model entries were there based on the themes.

Department of Biotechnology also organizes several guest lectures and talks from different field of Science like Pharmacy, Industrial processes, Patents. Eminent Scientists from different research institutes have come to deliver their guest talk in the department.

On 20th August, one day lecture series for conducted for all the students of Department of Biotechnology. Two guest speakers were invited to deliver their talk, Dr. Dipali Rakesh Mohan from Taiwan Technical university spoke on a topic, Biosensors and its applications. She elaborated the topic by explaining the basic concepts used and then explained the present scenario of use of the biosensors abroad. Next speaker for the day was Prof. Evamarie Hay Hawkins from Germany. Her talk was on 'Phosphorus – A devil's element'.

Every year our department organizes several educational visits for both UG and PG classes. The visits include visit to dairy industry, fermentation industry, sewage treatment plant, Biodiversity studies. This year T.Y.B.Sc. Visit was organized on 1st March to Four Seasons Winery, Baramati, Pune. S.Y.B.Sc visited to Katraj Dairy and M.Sc.I and II visited to IIT, Chennai.

In addition to classroom for benefit of students of F.Y.B.Sc. to M.Sc. II various hands on training sessions were organized by the department viz.

1) **Skill Development workshop in Applied Animal tissue culture techniques:** This workshop was conducted for T.Y.B. Sc. students of the department on 1st and 2nd December 2016. The objectives of the course are –

- To provide practical hands-on learning skill in short duration of time
- To help students in understanding important applied technique like MTT assay for pharmaceutical industry

2) Another workshop was on Application of Bioinformatics for M.Sc. students. It was an eight days workshop entitled, "Application of Bioinformatics" in collaboration with ItsBioEng Life Science Pvt. Ltd.(ISO 9001:2008). The purpose of the workshop was to provide research training program to students, with the rigorous training in the experimental and methodological principles required to excel in today's dynamic research environment.

3) The third workshop was on isolation and characterization of biomolecules for B.Sc. (Blended) biosciences on 24th March 2017.

4) Workshop on Bioinformatics for teachers of Department of Biotechnology:

An intensive workshop was conducted for nine teachers of Department of Biotechnology in Bioinformatics. This workshop was conducted by Mr. Ajinkya Shewale. Linux based programs and operations used in Bioinformatics (Linux based Bioinformatics tools) like protein structure drawing software. This workshop consisted of hands on experience for teachers. This helped the teachers to gain in depth knowledge of the programs. This workshop began in the month of February 2017.

The Parent teacher association meeting was also conducted in this year to initiate the communication between faculty members and parents. It was organized on 3rd September 2016 in the Assembly hall of Modern College, Pune-05 at 2.00 pm.

This meet was organized for parents of both the F.Y.B.Sc. Biotechnology students and F. Y. B. Sc. Blended students. Around 13 parents of F. Y. B. Sc. Blended students and 25 parents of F. Y. B. Sc.

Biotechnology students were present for the meet along with the Principal Dr. Rajendra Zunjarrao and eight staff members of the department.

Achievements of staff members

Dr. Sangeeta Bhagat:

1. Worked in organizing committee of International Conference on, "Current trends in Bioenergy and its Applications" held at Modern College of Arts, Science & Commerce, Shivajinagar Pune 3rd & 4th Feb. 2017.
2. Worked as a session coordinator for the International Conference on "Current trends in Bioenergy and its Applications" held at Modern College of Arts, Science & Commerce, Shivajinagar Pune 3rd & 4th Feb. 2017.
3. Presented poster at Innovations 2016
4. Successfully completed the Teacher Training Program organized by Modern college of Arts, Science & Commerce, Shivajinagar Pune in Mar. 2017.
5. Co-ordinated visit to Four Seasons Winery under DBT Star College Scheme for M.Sc. students.

Dr. Rebecca Thombre

• Publications in Science Journals (2016-2017)

1. **Thombre R**, Bhalerao A, Shinde V, Dhar S, Shouche Y. (2017) Response of Haloalkaliphilic Archaeon *Natronococcus jeotgali* RR17 to Hypergravity. Microgravity Sci. Technol. 1-10. Doi: 10.1007/s12217-017-9538-9. **Springer Verlag, Netherlands. IF:0.725**
2. **Thombre R**, Shinde V, Dixit J, Jagtap S, Vidyasagar PB.(2016) Response of extreme haloarchaeon *Haloarcula argentinensis* RR10 to simulated microgravity in clinorotation. 3 Biotech Journal. **Springer Verlag, Netherlands. ISSN: 2190-572X (Print) 2190-5738 (Online). Accepted. IF: 0.992**
3. **Thombre R**, Shinde V, Thaiparambil E, Zende S, Mehta S (2016) Antimicrobial Activity and Mechanism of inhibition of Silver Nanoparticles against Extreme Halophilic Archaea. **Frontiers in Microbiology. 7:1424. doi: 10.3389/fmicb.2016.01424. (Frontiers Media, Switzerland) . IF-.4.1.**
4. Shinde V and **Thombre R** (2016) Antibiotic resistance profiling of marine halophilic bacteria and haloarchaea. Journal of Applied Pharmaceutical Science: 6 (10). 132-137, DOI: 10.7324/JAPS.2016.601018 .ISSN 2231-3354. **IF: 0.5.**
5. **Thombre R**, Shinde, V, Oke R, Dhar S, Shouche YS (2016) Biology and survival of extremely halophilic archaeon *Haloarcula marismortui* RR12 isolated from Mumbai salterns, India in response to salinity stress. **SCIENTIFIC REPORTS, 6:25642.doi: 10.1038/srep25642. Nature Publishing Group, London, UK. IF-.5.5.**

6. **Thombre R** (2016) How do salt loving micro-organisms survive. Article in **NATURE INDIA**. doi:10.1038/nindia.2016.100.

7. **Thombre R** and Borate A (2016) Anticancer and antimicrobial potentials of biosynthesized gold nanoparticles. Journal of Applied Pharmaceutical Science: ISSN 2231-3354. IF: 0.5. Accepted.

• Reviewer Assignments

Reviewed research paper for following Journals (2016-17)

1. PLOS ONE Journal
2. Journal of Agricultural and Food Science (ACS Publications, USA)
3. Journal of Basic Microbiology (John Wiley Publications)

• Editorial Assignments

Topic Editor for Special Issue on Antimicrobial Resistance with Co-Editors Dr. Noton Dutta (Scientist, John Hopkins, Baltimore, USA) proposed in **Frontiers in Microbiology** Journal, **Frontiers Media, Switzerland .IF-.4.1.**

• Guidance to Students:

1. Project Guide for Kasha Maratha, M.Sc. Biodiversity, Abasaheb Garware College,Pune.
2. Project Co-Guide for Shruti Dhamdhare,Vaishnavi Dixit and Aditi Lad for Yuva Sanshodhak Scheme of Modern College,Pune-5
3. Project guide for Yash Bogawat, M.Tech. Nanotechnology, Amity University,Delhi.
4. Project guide for Aniket Gawli and Zain Pardawalla for Avishkar 2017.

• Conference/Workshop attended

1. Participated in Workshop on Microbial Diversity and Systematics, at NCL, Pune (Sep.2016)
2. Presented poster at Innovations 2016

• Chief Guest/Judge/Resource Person

1. Participated as chief guest and delivered an Oral talk on "Microbial diversity" at H.V.Desai College in Vasundhara-Kirloskar Film Festival.
2. Judge for Biotechexcellence festival organized by Wadia College, Pune
3. Judge for "Microtoons" scientific cartoon competition organized by Modern College,Pune.

• Visit

Co-ordinated visit to Four Seasons Winery under DBT Star College Scheme for TYB.Sc. students

• Practicals under DBT Star College Scheme

Conducted extra practical's on "Good Microbiology laboratory practices " and Biosafety levels as prescribed by CDC- NIH, USA, for FYB.Sc. and TYB.Sc. students.

- **Teaching Learning Innovations**
- Implemented pedagogical **Advanced organizer model** for teaching concepts on “Microbial nutrition” for FYB.SC. students
- Implemented pedagogical **Inquiry based learning model** for teaching concepts on “Quality Control In Large Scale Manufacturing Processes” for TYB.SC. students

Mrs. Rama Phadke

1. Worked in organizing committee of International Conference on , “Current trends in Bioenergy and its Applications” held at Modern College of Arts, Science & Commerce, Shivajinagar Pune 3rd & 4th Feb. 2017.
2. Presented poster at International conference in ‘Cancer Research’ organized by NCCS, Pune during 28-29th November 2016.
3. Successfully completed the Teacher Training Program organized by Modern College of Arts, Science & Commerce, Shivajinagar Pune in Mar. 2017.
4. Organized **Skill Development workshop in Applied Animal tissue culture techniques:** for T. Y. B.Sc. students of the department on 1st and 2nd December 2016.

Dr. Gitanjali Litke:

1. Worked in committee member of International Conference on, “Current trends in Bioenergy and its Applications” held at Modern College of Arts, Science & Commerce, Shivajinagar Pune 3rd & 4th Feb. 2017.
2. Presented poster at Innovations 2016
3. Successfully completed the Teacher Training Program organized by Modern college of Arts, Science & Commerce, Shivajinagar Pune in Mar. 2017.
4. Co-ordinated visit to Four Seasons winery under DBT Star College Scheme for MSc students

Dr. Ravi Dabhade:

1. Worked in committee member of International Conference on, “Current trends in Bioenergy and its Applications” held at Modern College of Arts, Science & Commerce, Shivajinagar Pune 3rd & 4th Feb. 2017.
2. Presented poster at Innovations 2016
3. Successfully completed the Teacher Training Program organized by Modern college of Arts, Science & Commerce, Shivajinagar Pune in Mar. 2017.

Dr. Sangeeta Sathey:

1. Worked in committee member of International Conference on, “Current trends in Bioenergy and its Applications” held at Modern College of Arts,

Science & Commerce, Shivajinagar Pune 3rd & 4th Feb. 2017.

2. Project Guide for Sukanya Joshi, Saumya Digraskar and Shreenivasan for Yuva Sanshodhak Scheme of Modern College,Pune-5
3. Successfully completed the Teacher Training Program organized by Modern college of Arts, Science & Commerce, Shivajinagar Pune in Mar. 2017.
4. Co-ordinated visit to Four Seasons winery under DBT Star College Scheme for MSc students

Dr. Sharad Goswami:

1. Worked in committee member of International Conference on , “Current trends in Bioenergy and its Applications” held at Modern College of Arts, Science & Commerce, Shivajinagar Pune 3rd & 4th Feb. 2017.
2. Appointment as a Environmental Consultant by Government of Maharashtra.
3. Project Guide for Shruti Dhamdhare,Vaishnavi Dixit and Aditi Lad for Yuva Sanshodhak Scheme of Modern College,Pune-5
4. Successfully completed the Teacher Training Program organized by Modern college of Arts, Science & Commerce, Shivajinagar Pune in Mar. 2017.
5. Co-ordinated visit to Four Seasons winery under DBT Star College Scheme for TYB.Sc. students

Ms. Radhika Oke:

Worked in committee member of International Conference on, “Current trends in Bioenergy and its Applications” held at Modern College of Arts, Science & Commerce, Shivajinagar Pune 3rd & 4th Feb. 2017.

1. Project Guide for Amruta Jadhav, Vikas Chikne for Yuva Sanshodhak Scheme of Modern College, Pune-5
2. Cleared SET 2016 exam
3. Successfully completed the Teacher Training Program organized by Modern college of Arts, Science & Commerce, Shivajinagar Pune in Mar. 2017.
4. Co-ordinated visit to Katraj Dairy under DBT Star College Scheme for TYB.Sc. students
5. Ms. Radhika Oke published a research paper in NATURE journal

Dr. Archana R. Kachhaway:

1. Worked in committee member of International Conference on, “Current trends in Bioenergy and its Applications” held at Modern College of Arts, Science & Commerce, Shivajinagar Pune 3rd & 4th Feb. 2017.
2. Successfully completed the Teacher Training Program organized by Modern college of Arts,

Science & Commerce, Shivajinagar Pune in Mar. 2017.

3. Co-ordinated visit to Four Seasons winery under DBT Star College Scheme for TYB.Sc. students
4. Organized **Skill Development workshop in Applied Animal tissue culture techniques:** for T.Y.B. Sc. students of the department on 1st and 2nd December 2016.

Achievements of Students

1. Ruchi Singh

- Biotech Fest 2016-17- first prize in Expression of science via literature

2. Sharayu Jadhav

- Biotech Fest 2016-17
 - a. Model making- First prize
 - b. Poster making- Consolation prize
- Microcosm 2016-17- Model making First prize
- Participated in Darpan Fashion show conducted by Department of Fashion Technology on 1/9/2016
- NAAC cultural programme- Singing with band (20/12/2016)
- ICCTBA 2017- Attended the conference and participation in poster competition (3 and 4 feb 2017)
- Working on project funded by Yuva Sanshodhak Scheme (Comparative analysis of cow milk: Desi cow and Hybrid cow)

3. Amruta Jadhav

- Biotech Fest 2016-17- Model Making- First Prize
- Microcosm 2016-17
 - a. Model making- First prize
 - b. Poster making- Second prize
- Participated in Darpan Fashion Show conducted by Department of Fashion Technology on 1/9/2016
- Participated in NAAC cultural programme- Fashion Show (20/12/2016)
- Avishkaar 2016-17- Poster presentation at Zonal level and University level (Comparative analysis of cow milk: Desi cow and Hybrid cow)
- Working on project funded by Yuva Sanshodhak scheme. (Comparative analysis of cow milk: Desi cow and Hybrid cow)
- Best Outgoing Student (2016-17) (Department of Biotechnology)
- Academic Topper of S. Y. B.Sc. Biotechnology- 77%
- Dance competition(Duet) organized by Air circle- First prize

4. Madhuri Suryawanshi

- Biotech Fest 2016-17- Model Making- Consolation prize
- Microcosm 2016-17-Poster making- Second prize
- Participated in Darpan Fashion Show conducted by Department of Fashion Technology on 1/9/2016

- Working on project funded by Yuva Sanshodhak scheme. (Comparative analysis of cow milk: Desi cow and Hybrid cow)
- Dance competition(Duet) organized by Air circle- First prize
- ICCTBA 2017- Attended the conference and participation in poster competition (3 and 4 feb 2017)

5. Vikas Chikane

- Biotech Fest 2016-17- Model Making- First Prize - Poster Making- Consolation prize
- Microcosm 2016-17-Model making- First prize
- Participated in NAAC cultural programme- Fashion Show (20/12/2016)
- Avishkaar 2016-17- Poster presentation at Zonal level and University level (Comparative analysis of cow milk: Desi cow and Hybrid cow)
- Working on project funded by Yuva Sanshodhak scheme. (Comparative analysis of cow milk: Desi cow and Hybrid cow)
- Best Outgoing Student (2016-17) (Department of Biotechnology)

6. Neha Lonari

- Korf Ball Zonal Competition- Second place
- Korf Ball Intercollegiate Competition- Winner
- Net Ball Zonal Competition- Winner
- Net Ball Intercollegiate Competition- Winner

7. Rashtrapal Jondhale.

- Biotech Fest 2016-17- Model Making- Consolation prize
- Working on project funded by Yuva Sanshodhak scheme. (Comparative analysis of cow milk: Desi cow and Hybrid cow)
- ICCTBA 2017- Attended the conference and participation in poster competition (3 and 4 feb 2017)

8. Vaishnavi Dixit and Shruti Dhamdhare

- Research Poster presentation at The Sajjan Gupta Konark Memorial Award 2016-17
- Participated in Mimamsa Quiz competition ISSER Pune.
- Working on Project funded by Yuva Sanshodhak Scheme (To evaluate the antimicrobial potential of flowering plants to produce potent antimicrobial products.)

9. Saumya Digraskar and Sukanya Joshi

- Poster presentation in Avishkaar Zonal level competition (Use of plant based dyes in staining of polyacrylamide gel in electrophoresis)
- Working on project funded by Yuva Sanshodhak Scheme (Natural dyes and their innovative uses)

10. Aniket Gawali

- Poster presentation at Avishkaar Zonal level competition. (Microbial Fuel cell)
- Biotech Fest 2016-17- Model making- Third prize
- Participated in History Quiz Competition organized by Modern college, Ganeshkhind.

11. Jyoti Mohite

- Microcosm 2016-17- Treasure Hunt Competition- First prize
- Biotech Fest 2016-17- Biorangoli- Consolation prize

12. Naziya Makandar

- Biotech Fest 2016-17- Model Making- Third prize - Biorangoli- Third prize
- Microcosm 2016-17- Poster Making- Consolation Prize
- Participated in History Quiz Competition organized by Modern college, Ganeshkhind.

13. Mohini Jadhav

- Biotech Fest 2016-17- Biorangoli- Third prize

14. Zain Pardawala

- Poster presentation at Avishkaar Zonal level competition. (Microbial Fuel cell)

15. Swangi Prakash

- All India Yachting regatta held in Chilka, Orissa- Third prize
- Felicitated as Event Manager of the Year by National Institute of Event Management.

16. T.Y.B.Sc biotech won the first prize for class wise variety programme.

17. M.Sc.II student Nayan Shirsath got PG merit scholarship

18. Shruti Nair and Nayan Shirsath (M.Sc. II) Project selected for the 'Zonal level 'Avishkar competition on 19/12/2016

19. Janhavi Dave (S.Y. Biotech.) Received two gold medal in boat pulling , Drill and one silver medal in cultural at National camp, Tirumala, Kerala , Indian National Academy on Feb. 2017.

20. Ms. Meenu Kuman (M.Sc. biotech.) received award in prize distribution function of Modern college on 31st Jan. 2017.

21. Ms. Meenu Kuman received Gold Medal in M.Sc. Biotechnology by Savitribai Phule Pune University

22. M. Sc. student Prachi Joshi cleared CSIR –NET Lecturer Exam on 2016

23. Ms. Prachi Joshi (M.Sc. Biotech.) received award in prize distribution function of Modern College on 31st Jan. 2017.

24. M.Sc. I & II students have participated in International conference, "Current trends in Bioenergy and its Applications" held at Modern College of Arts, Science & Commerce, Shivajinagar Pune 3rd & 4th Feb. 2017.

• Yuva Sanshodhak Scheme Funded Projects:

Name of the Project	Names of students
1. Comparative analysis between cow milk: Desi milk and Hybrid milk	1) Amruta Jadhav 2) Sharayu Jadhav 3) Madhuri Suryawanshi 4) Vikas Chikane 5) Rashtrapal Jondhale (Guide: Radhika Oke)
2. Natural dyes and their innovative uses	1) Sukanya Joshi 2) Saumya Digraskar 3) Shriniwas Rao (Guide: Dr. Sangeeta Sathaye)
3. To evaluate the antimicrobial potential of flowering plants to produce potent antimicrobial products.	1) Vaishnavi Dixit 2) Shruti Dhamdhare (Guide: Dr. Sharad Goswami)

Dr.Sangeeta Bhagat, Head

Department of Botany

The academic year began with the continuation of preparation for the upcoming NAAC peer team visit. All the teaching and non-teaching staff members were focused on the compilation of the data as per the seven criteria of NAAC. At the same time, all the routine activities of the department were carried out with equal zeal, which included conducting all the theory classes and practical sessions of the under graduate as well as Postgraduate classes, continuous assesment of practicals, organisation of various study tours and internal examinations.

Following are the details about activities conducted during the Academic year 2016-2017

A. **Excursions and Visits** – Different field visits were arranged for undergraduate and postgraduate students as a part of Teaching-Learning process.

Class	Place of visit	Date	Number of students participated
F.Y.B.Sc	Tamhini ghat	17/9/2016	117
S.Y.B.Sc	Mahabaleshwar	22/2/2017	97
T.Y.B.Sc	Purandar fort	20/9/2016	36
	Amboli and Malvan	16/1/2017 to 19/1/2017	27
	Seed testing lab at Krishi Bhavan	15/2/2017	36
	Plant pathology lab at Agricultural College	14/2/2017	36
M.Sc I	Diveagar and Harihareshwar	6/3/2017 to 7/3/2017	24
M.Sc II	Biotechnology Park, Hinjewadi	10/4/2017	24

B. Activities under DBT-Star College Scheme

- Herbal product preparation workshop was organized for T.Y.B.Sc students on 6/3/2017 and 7/3/2017. Students learned the quality grade preparation of Herbal oil, herbal face pack and Shatavari kalp.
- Extra practicals other than their regular syllabus were conducted for F.Y.B.Sc students. Students got hands on training on the use of micropipettes and spectrophotometer.

Class	Topic
F.Y.B.Sc	Estimation of chlorophyll from Spinach leaves
T.Y.B.Sc	Study of Antioxidant activities of plant extract using DPPH

- Quality enhancement workshop was organised on 17th March 2017 for the teaching faculty. The resource person was Dr. K.D. Dhumal, Professor from department of Botany, Savitribai Phule Pune University. He stressed on the need of Collaborative projects, industry sponsored projects for students and importance of publication of project or research work.
- Students of S.Y.B.Sc attended **Commercial white button Mushroom cultivation** workshop on 2/1/2017 organised by Waghire College, Saswad. They understood the method of cultivation of button Mushrooms. The knowledge will be useful in mushroom production on commercial scale.

C. Skill development workshops or courses

- Biofertilizer preparation was organized for M.Sc students and conducted by Dr. Swati Kulkarni from 6th December to 15th December 2016.
- Seed Technology – Practical based workshop was organised and conducted by Mrs. Arti Goggi for T.Y.B.Sc students from August 2016 to February 2017.
- Plant Tissue culture technique workshop was conducted by Dr.U.R.Wayase for First and second year graduate students.

D. Research Centre activities

a. Major projects submission

- Dr. Zunjarrao – ‘Developing a digital herbarium of angiospermic plants of the Western Ghat regions of Maharashtra’, a major research project funded (Rs. 9,46,492/-) by the UGC, New Delhi.
- Dr. N.M.Patil – UGC Major Research Project Title: Isolation of induced mutants of *Linum usitatissimum* L. under salt stress Rs. 12,50,800/- (Rs. Twelve lakh fifty thousand eight hundred only)
- Dr.K.D.Gopale - Fatty acid profiling and Molecular Characterization of potential Biodiesel producing Microalgae from South India funded by (Rs

24,00,000/-) Department of Science and Technology (DBT), New Delhi.

b. Minor Research project submission

- Dr.R.S.Zunjarrao and Dr.K.D.Gopale - Optimization of Growth Rate of Potential Biodiesel Producing Microalgae funded (2,40,000/-) by BCUD, SPPU.

c. Avishkar

PG students Dnyanesh Gawali and Yogesh Zende presented poster entitled “**The Optimisation of Growth rate of potential Biodiesel producing Microalgae**” on 24th November 2016.

UG students Rushikesh Mulik presented poster entitled “**Low cost LED illuminator for student’s microscope**” on 24th November 2016.

d. Yuva Sanshodhak scheme

Title of Project	Students	Guide
Phytochemical and pharmacological studies of extracts of black seeds.	S Y B.Sc. Botany Utkarsha Kulkarni Rutuja Sawairam	Dr. Neeta M. Patil Mukta Nagpurkar
Electricity generation using Bio electrochemical cell	S Y B.Sc. Botany Nair Aishwarya, Kadam Pradnya, Uma Sawant	Dr. U.R. Wayase

e. Research students pursuing Ph.D. at the research centre

i) Mukta Nagpurkar

Year of registration – 20 / 08 / 2014

Name of Guide – Dr. Neeta M. Patil

ii) Aboli Avhad

Year of registration – 20 / 08 / 2014

Name of Guide – Dr. R.S. Zunjarrao

Name of Co – Guide - Dr. Neeta M. Patil

iii) Mrs. Manju Rakesh

Year of registration – 20 / 08 / 2014

Name of Guide – Dr. Neeta M. Patil

iv) Prof. G. T. Jadhav

Year of registration – 20 / 08 / 2014

Name of Guide – Dr. Neeta M. Patil

v) Nafisehsadat Omidiani

Year of registration – 18 / 04 / 2016

Name of Guide – Dr. R.B. Barmukh

E. Organization of Conference

An International Conference on “Current Trends in Bioenergy and its Applications” was organized on 3rd and 4th February 2017.

F. Students Achievements and Progression

- Rishikesh Mulik and Dnyanesh Gawali received Gold Medals for their projects at intercollegiate competition named Botanica at Wadia College, Pune.

- Our past students Ganesh Mankar and Pooja Kad qualified CSIR NET-JRF.

H. Teachers contribution

a. Dr.N.M.Patil

A Review On Sesame - An Ethno Medicinally Significant Oil Crop Nagpurkar Mukta and Patil Neeta M - International Journal of Life Science and Pharma Research ISSN 2250-0480 VOL 7/ ISSUE2/APRIL2017

b. Dr. R. B. Barmukh

1. Awarded with the prestigious 'Best Teacher Award' by the Progressive Education Society, Shivajinagar, Pune, on 25th April 2017, at the hands of Hon'ble Shri Sushilkumar Shinde, Ex-Home Minister of Government of India, and Ex-Chief Minister, Government of Maharashtra.
2. Invited as a Guest Speaker on 6th February 2017 at the Anantrao Pawar College, Pirangut, and delivered a lecture on 'Future Prospects and Application in Botany'.
3. Invited as a Resource Person for the State level workshop on Computational Methods in Life Sciences, organized by New Arts, Science and Commerce College, Ahmednagar, on 10th and 11th January 2017 and delivered a lecture on 'Performing Statistical Analyses: Dos and Don'ts'.

c. Dr.K.D.Gopale

Presented a research project entitled "The Optimization of Growth Rate of Potential Biodiesel Producing Microalgae" in regional research conference for college teachers at Baburaoji Gholap College Sangvi, Pune on 7th October, 2016.

Appointed as Expert member on the Pimpri Chinchwad Municipal Corporation Biodiversity Conservation Committee in the year 2016-17.

- d. **Mrs. Arti Goggi** has published a research paper entitled "Antioxidant activities of root, stem and leaves of *Vernonia cinerea* (L) Less" in a Free Radicals and Antioxidant Journal.

Dr. R. S. Zunjarrao, Principal and Head, Department of Botany

Department of Chemistry

Chemistry Department is one of the big departments in the college having about one thousand junior wing students, five hundred U.G. students and hundred P.G. students studying under its umbrella with the help of about forty full time and visiting teaching and non teaching staff.

Dr. (Mrs) S. D. Joag, after completing her service of thirty three years in this college with the last one year as the Head of this department retired on 31st Oct. 2016. The department was benefited during her tenure by her sound knowledge in the subject and meticulous administration. The college authorities put the

responsibility of headship on the shoulders of **Dr. S. K. Ujlambkar** on 1st Nov. 2016.

1. Educational/ Industrial visits:

A. MAARC LABS Pvt. Ltd. Pune, Nanded Phata, Sinhagad Road, Pune.

Date of visit: 02/03/2017

Accompanying Faculty Members: Prof. Lalita B. Rane, Prof. Nilesh S. Tapkir, Prof. Poonam R. Mohite

Participating students: M.Sc. II (Analytical chemistry), [40-students]

Purpose of Visit

Objective of industrial visit was to provide the students an insight regarding internal working of companies or laboratories. Only the theoretical knowledge is not enough for making good professional career. With an aim to go beyond academics, industrial visit provides a practical perspective on the world of work. It provides an opportunity to learn practically through interaction, working methods and employment practices. It is useful to know about industrial environment. M.Sc. Students get knowledge about the instrumental Analysis, applications of many theoretical principles and various analytical techniques with live demonstrations.

MAARC Labs Pvt. Ltd. is a privately owned, commercial and totally independent testing laboratory specializing in sugar, sugar by-products, water, agri-products, food products and environmental analysis. Established in 1996, to meet the need for an efficient and dependable analysis service to sugar producing and using industries, Maarc labs has now expanded its activities to include chemical and microbiological analysis of food products, raw, process and packaged drinking water, and export quality fruits and vegetables.

MAARC Labs has established a strong and well defined quality system based on ISO/IEC 17025 (2005).

B. TATYASAHEB KORE WARANA SAHKARI SAKHAR KARKHANA, Warananagar, Panhala, Kolhapur.

Date: 29/01/2017

Accompanying Faculty Members: Dr. S. K. Ujlambkar, Prof. H. K. Gaikwad, Prof. P. B. Suryavanshi, Prof. R. M. Jagtap, Prof. Lalita B. Rane.

Participating students: T. Y. B. Sc (Chemistry) [75-students]

All the Chemistry staff and the students of T. Y. B. Sc visited the Warana sugar factory on 29th January 2017. The purpose of the visit was to keen understanding of syllabus topics like sugar industry, alcohol industry where student got the live demonstration of the industrial processes.

2. Achievements of students:

- Mr. Gaurav Mitra, Komal Dudhediya, Prajakta Korade, Ujwala Daundkar, Vishwanath Zunja, Diksha Shinde and Rajashree khartode won the First prize (Gold Medal) and Second Prize at Poster Competition held at Modern ASC, Pune-5 Biotechnology Department on 17th January 2017.
- Mr. Akash Khawale and Mr. Digvijay Surve from M. Sc Analytical Chemistry participated at state level 'Dr. R. J. Gandhi PG-Lecture competition' on 27th Feb. 2017 at T. C. College, Baramati.

2. Activities of staff members:

Dr. S. K. Ujalambkar

Workshops on preparation of 'Perfumes and Household Chemical Products'.

- Modern College of ASC Department of Chemistry, 18th Aug. 2016
- Modern College of ASC, Pune 5 Department of Zoology, 30th Aug. 2016
- Modern College of ASC, Pune 5, T. Y. B. Sc. Zoology Students, 2nd Sept. 2016
- Modern College of ASC, Pune 5, Office staff members, 3rd Sept. 2016
- Modern College of ASC, Pune 5, Computer Science Department, 8th Oct. 2016
- Modern College , Pune 5, Teaching and Non teaching staff members 7th Dec. 2016
- Modern College of ASC, Pune 5, for Blind Students, 8th Dec. 2016
- City Bora College Shirur, 2nd Feb 2017

Chemistry Guidance Lectures

- i. Modern English Medium High School, Warje, Pune (8 to 12 Sept. 2016)
- ii. Modern English Medium High School, Shivajinagar (20 to 25 Sept. 2016)

Popular Lectures on Autobiography of Dr. APJ Abdul Kalam

- i. N.S.S. students of Modern College of ASC, Pune 5 (15th Oct. 2016)
- ii. Modern Law College Ganeshkhind, Pune 5 (15th Oct. 2016)
- iii. Modern ASC, Ganeshkhind, Pune 5 (16th Oct. 2016)
- iv. N.S.S. camp of Junior College wing MCASC, Pune 5 at Phulgaon (12 Dec. 2016)
- v. N.S.S. camp of Senior College wing MCASC, Pune 5 at Phulgaon (18 Dec. 2016)
- vi. Science Association Lecture for Science students of MCASC, Pune 5 (09 Jan. 2017).

Prof. R. M. Jagtap

- Presented a research paper – "Selective N-acetylation with simultaneous S-oxidation of *o*-amino thiol over Ce doped ZnO nanocrystallites" at Indian council of chemists- Annual conference at COEP, Pune on 22/15/2017.

Dr. S. K. Ujalambkar, Head

Department of Computer Science

At the Department of Computer Science, we strongly believe that the need of the hour in every field including education is remarkable excellence. Realizing this need, our department is constantly engaged in moulding futuristic information and communication technologists today. Today, our alumni is spread across all leading Nations and reached great heights in terms of their positions.

Our students are in the field of Computer Science and Applications as well as Animation. 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 admission. At the postgraduate level their performance at the B.Sc. (Computer Science) degree and performance of the entrance examination is the criteria for the admission for the M.Sc. (Computer Science) course. In August 2016, Savitribai Phule Pune University, Pune and Govt. of Maharashtra have accorded permission to start B.C.A. (Science) course.

During their graduate and postgraduate studies the students undertake various projects which are relevant to the current Industrial needs. These projects have helped students to analyze and apply their theoretical knowledge to real life situation and live projects. Through practical demonstrations, Guest Lectures, Group Discussions etc, we bring the latest in computer technology to our students. Co-curricular activities sharpen and mould their minds and help enhance their talent and other skills which also help in their overall development.

We have a dedicated team of teachers, experts and well equipped laboratories. The active and highly qualified team of faculty members spares no efforts to keep the students well informed and updated with current trends in technology. The students also reciprocate by their high achievements in academics at the University level.

A large number of students are getting excellent placements in India and abroad. We feel very proud that we find our shining stars in every progressive part of the world. Every year several students are also selected in reputed foreign universities for higher studies. Various educational authorities have noted the achievements and the 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 19th - 21st Dec 2016, the team members namely, Prof. M.S.M Rawat, Prof. Jayanta K. Parida and Dr. Praveen Pandit appreciated the consistent efforts towards students' progression and current infrastructure. They gave a

few guidelines regarding availability of results of internal evaluations online to further improve the system.

Activities conducted during the year:

- Kartikeya Rindani Intercollegiate Programming and Quiz Contest (4th February 2017)
- R.M Marathe Programming Competition (13th Jan 2017)
- Poster Competition (4th February 2017)
- T.Y. B.Sc. Animation syllabus restructuring Workshop(23rd Feb 2017)
- Placement Activity
- Seminars
- Workshop
- Group Discussion
- Mock Interview
- Personality Development Programme for PG Students
- On-line Admission Process for all the courses
- Conduction of M.Sc. (CS) and M.C.A (Science Faculty) Entrance Examination at Mass Level
- Student/Career Counseling
- “Zaroka” - The Desktop..... article column

Kartikeya Rindani Programming Contest

Kartikeya Rindani Programming contest is a joint endeavor of the Rindani Family and Alumni of the Computer Science Dept. Dr. Girish Rindani and Mr. Amit Nanavati were the chief guests for the program.

Before the Valedictory program, Mr. Amit Nanavati delivered a talk on “Social Network Analysis for Telecom Business Intelligence”

Six needy students of Computer Science Department have received Rs.15, 000/- Scholarship to pursue their further education. Mr. Gadade Sumit, Ms. Mahadik Shubhangi, Mr. Awate Sumit, Ms. Gaikwad Priya, Mr. Chandorikar Aditya received this scholarship.

Poster Competition

Poster Competition was conducted on 4th Feb 2017, the topics covered were: Latest trends in IT, Hadoop, Animation, E-waste Management, Web Technologies, Mesh Stack, Cloud Computing, Big data, Robotics, Data Mining, IOT, Smart city, Android, Green Computing, Embedded System, Digital Life in 2020, Cyber Security, Make in India and Network Technologies. Prof. Mrs. Manisha Suryawanshi worked as a co-ordinator for this activity.

Around 80 students from various colleges actively participated in this event. Prof. Abhijeet Sathe worked as the coordinator of this event. Mr. Jitendra Tilekar, Mr. Hrishikesh Pangarkar, Mr. Anup Dhamdhare, Mr. Narendra Bhongale, Mr. Sagar Shinde worked as Judges for the various events.

• R.M Marathe Programming Contest

The contest was held on 13th Jan 2017. The competition was conducted in two rounds. The first round was an objective test. The shortlisted students appeared for On-line programming competition. Forty five students participated for the Objective test and nine students were shortlisted. The prize winner was Soham Chakradev. Prof. Madhuri Ghanekar worked as the co-coordinator for this programming contest

• SEMINARS

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

Activities and support from the Alumni:

- Past students have supported in **placement of current batch** students in the reputed IT Industries and in offering training programs
- **Project guidance** is made available from Alumni to the students in the form of lectures, project guidance and by conducting counseling sessions
- **Group Discussion and Seminars** Group discussion sessions of the present students were arranged and seminar sessions of past students are arranged on every Saturday on different topics
- Active participation in organizing “Kartikeya Rindani Intercollegiate Programming Contest”
- **Mock Interviews** were conducted by the past students who are working in reputed IT industries for the current batch students to face the challenges of present competitive world and to make them mentally prepared for the competition.
- **Pride Alumni of Computer Science Department:**

The brilliant students of our department are working at high positions in various fields like Science and Technology, Research, Business, Banking, Industries, Education, Engineering, Medicine and Administrative Services etc. Some of them often visit our college and encourage and guide the present batch of students.

Achievements of Staff:

All staff members participated in two days workshop on ‘Android App development’ at Modern College, Pune 5 conducted by IIT Bombay E-Cell and ROBOKART from 23rd Sept 16 to 24th Sept 16

1. Prof. Sameer Badmanji

Technical support for all seminars and conference

2. Prof. Manisha Suryawanshi

- Working as Placement coordinator
- Worked as Chairman, T.Y.B.Sc. (Computer Science) Practical Exam, SPPU
- Member of B.O.S. for T.Y.B.Sc.(Computer Science), St. Mira's college
- Worked as Judge for Presentation competition at Kaveri college

3. Prof. Madhuri Ghanekar

- Conducted a lecture 'Keep Fit with Exercise and Diet' for F.Y.B.Sc. students under the aegis Student Welfare Committee activity
- Completed a course on Co-operative Learning
- Worked as Co-coordinator for organizing R.M. Marathe Programming contest

4. Prof. Abhijeet Sathe

- Technical support for all seminars and conference
- Worked as Co-coordinator for organizing Kartikeya Rindani Programming contest

5. Prof. Anjali Sardesai

- Chairperson T.Y. B.Sc. Animation Subcommittee
- Coordinator TYB.Sc. Animation Syllabus restructuring workshop
- Published one research paper in International Journal of Innovative Computer Science and Engineering with impact factor 4.06 (Vol. 4, Issue-1, Jan-Feb-2017)
- Poster in National Seminar organized by M. V. P. Samaj's, Commerce, Management and Computer Science (CMCS) College, Nashik & BCUD, Savitribai Phule Pune University. 20th and 21st January 2017

6. Prof. Vaishali Bhoite

- Organized several programs of Value based Education committee on Yoga and Meditation as the Chairperson of the committee
- Member of Selection Committee for the post of Assistant Professor for Computer Science at Vidya Pratisthan, Baramati

7. Prof. Shilpa Dange

- Presented a paper on "Data hiding techniques using Catalan Lucas Number sequence" at the 2nd International Conference on Recent Trends in Computer Science and Electronics on 2nd Jan 2017 in Malaysia. This paper has accepted and published in Indian Journal of Science and Technology, Vol 4, DOI: 10.17485/ijst2017/v10i4/110896.
- Presented a poster in National Seminar on "Cyber Security : Everyone's Need" , organized by M. V. P. Samaj's, Commerce, Management and Computer Science (CMCS) College, Nasik &

BCUD, Savitribai Phule Pune University. On dated 20th and 21st January 2017.

- Publish a paper titled "Comparison of Steganography Techniques Using 8-bit Binary Representation and Catalan Lucas Representation" in International Journal of Innovative Computer Science and Engineering, with impact factor 4.06. (Vol. 4, Issue-1, Jan-Feb-2017).

8. Prof. (Dr.) Kalyani Salla

- Resource person for a talk on "Current Trends and New Directions in Soft computing" at the State level Workshop on "Growing trends in Computer Science and Applications" on 4th Feb 2017
- Journal referee for International Journal of Environment Development and Sustainability, Springer Verlag
- Journal referee for International Journal of Neural Computing, Springer Verlag
- International Journal of Computer and Technology, CIR World
- Published a Paper entitled "Forecasting the ranks of sites suitable for power plant installation", Dec 2016, in the International Journal of Computer and Technology
- Published paper entitled "Risk based optimal strategy for ranking of hazardous industrial sites in a fuzzy environment" in Jan 2017 in the International Journal of System Assurance Engineering and Management, Springer Nature. An official publication of the society for Reliability Engineering, Quality and Operations Management, India and Division of Operation and Maintenance, Sweden.

9. Prof. Sameer Nerlekar

- Worked as member in T.Y.B.Sc. Animation Syllabus restructuring committee

Achievements and Awards of Students:

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

Mr. Suraj Yadav participated in Avishkar 2016 at Zonal level. Ms. Jagruti Gela, Ms. Selina Arokiaswamy reached University level at Avishkar 2016.

Our T.Y.B.Sc. (Computer Science) student Viraj Dhokale has secured several prestigious prizes in National and State level swimming competitions.

Research Profile: There has been a rise in Ph.D./M.Phil and also NET/SET qualified staff

members. Current Research publication figures are as follows:

- Publications in Research Journals International: 14
- Conferences : International 12, National 8, State 1
- Ph.D. Awarded: 1, M.Phil. Awarded: 3
- Staff pursuing Ph.D. 1
- Ph.D. Thesis submitted: 1
- Book Chapter: 1 (Springer International)
- Number of citations in all 24 (7+8+9)
- Academic Publications: Text Books: 19

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-coordinator and Chairperson of the Placement Committee for the placement activity under her able guidance 95% 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.

Any other relevant information:

- Staff members actively participated in the online admission process of F.Y.B.Sc. (Computer Science) and M.Sc. (Computer Science) courses and counseling.
- A committee was constituted for conducting M.Sc. (Computer Science) Entrance Examinations in May' 2016. Dr. G.R. Ekbote (Chairman, P.E. Society) Prof. P. S. Chirputkar (Chairman, LMC), Dr. A. K. Pande (Chairman, LMC), Prof. Mrs. Jyostna Ekbote (Chairperson, LMC) Principal Dr. R. S. Zunjarrao (Chairman of the Entrance Examinations Committee) provided necessary guidance and administrative support in organizing the entrance examinations smoothly.
- Due to the requirements laid down by the UGC, we had to discontinue the M.C.A. (Science) course from the academic year 2016-17
- Permission was granted for B.C.A. (Science) course in August 2016. We would commence the B.C.A. (Science) course in our department from the academic year 2017-18.

Apart from the several events and activities conducted by our department every year, we wish to organize some more Workshops and Seminars. We plan to conduct some more fruitful employability enhancement programs for our students. We feel confident about reaching higher targets within time due to our active, dynamic and highly skilled faculty

members and constant support received from college authorities and our parent body Progressive Education Society.

Prof. Deshmukh Shamkant

Vice Principal and Head

Department of Computer Science

Department of Electronic Science

Department of Electronic Science of the college is actively engaged in various academic, curricular and extracurricular activities during the year. The student strength of the department is about 689 during academic year 2016-17, which includes Junior, Senior and P.G. students. Seven Ph.D. students are doing research work at recognized Post Graduate Research Centre by Savitribai Phule Pune University in Electronic Science was established from July 2011. All staff members contributed in preparation and presentation of department at NAAC third reaccreditation visit to the college.

[A] Activities conducted during the year

- Prof. D.B. Gaikwad actively participated in one day works shop on "Future Trends in CMOS VLSI" on 30th August 2016, organized by Department of Electronic Science, SPPU.
- Department organized two day workshop for M.Sc. Students on Digital System Design using Verilog – Implementation on FPGA in Modern College Pune , on 26-27 Sept 2016.
- Organized Alumni meet of B.Sc. 1990 Batch from Department of Electronic Science on 07th August 2016.
- A Project competition "IMAGINE-2017", was organized on 27th February 2017 at T.C.College Baramati, which is activity initiated by our department.
- Guest lecture by Dr. Deepak Shikarpur was organized for B.Sc. Computer Science students.
- E-waste collection drive was initiated by the department in collaboration with Pune Municipal Corporation, Cummins Company and Janwani.

[B] Research, Paper Presentation by Staff Members

- Prof. S.R.Chaudhari, presented research paper entitled "Value Education and Youth" in International Interdisciplinary conference on 16th October 2016 organized by Snehavrdhan Research Institute, Pune.
- Prof. S.R.Chaudhari, presented research paper on "The concept of universal Fatherhood" at International Interdisciplinary Conference on The concept of Universal Fatherhood, 11 November 2016 at Singapore ,
- Prof. S.R.Chaudhari, presented research paper on "Nature of my research work and its importance at

International level” at International Interdisciplinary Conference on Nature of my research work and its importance at International level, 16 November 2016, MAHSA University, Kuala Lumpur, Malaysia

- Prof. T.B.Sonawane published a research paper in Springer Journal of Material Science: Materials in Electronics - “A synthesis and diverse property studies on Ni doped ZnS Nanowires”, published online on 09th April 2017.
- Prof. Vaishali A. Chaudhari presented Research Paper” Neural Network: Basic concepts” at National Conference on “ Advancement in IT and Management”, organized by MIT, Arts, Commerce and Science College Alandi , Pune- 412105 on 2nd and 3rd December 2016.
- Minor Research Scheme entitled” Systematic Survey and Experimentation to establish e-waste management centre in Modern College Shivajinagar”, of financial assistance Rs. 2, 30,000/- is sanctioned by UGC.

[C] Activities & Support from Alumni.

Alumni meet of the B.Sc. Students passed out from batch 1990 was successfully organized by Department of Electronic Science. One of the Past students from this batch Prof. Mrs. Archana Apte (now teacher in our department) took lead to organize this function with her colleague batch mates of the year 1990. Everyone from the alumni introduced themselves and told their memories and present status of their life. Many of alumni appreciated efforts taken by their professors, department and college activities in progress of their life while discussing regarding teaching they remembered self-confident lectures delivered by Prof. S.Y. Gambhir, Prof. C. G. Kulkarni. Some alumni remembered humorous incidents and also how they helped each other in student life as well as in later life. They also paid mark of respect to their colleague students who had passed away from life.

[D] Achievements by students

- Placement activities were conducted by - Shanvey Technologies Pvt. Ltd Conducted Campus placement and GNU Technologies for post graduate students.
- Bhagyashree Anand Sakunde from M.Sc. II Writes Article, poem for “UPHORIA” page in Dainik PRABHAT, Pune as well as worked as a CT reporter in PRABHAT Newspaper.
- Our Alumni students Mr. P. K. Shinde passed NET and Mrs. Jyoti Shrote passed SET examinations.

[E] Achievements by staff members

- Prof. Y. S. Thipse Honored with Progressive Education Society's 'Kanitkar Adarsh Teaching

Award' for academic year 2016-17 on 25th April 2017.

- Prof. M.R.Bodke awarded Ph.D. Degree by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, with research topic “Synthesis and characterization of chromium doped ZnO and ZnS nanomaterials” on 29th December 2016.
- Prof. T.B. Sonawane , Prof. M.R.Bodke and Prof. T.R. Kumbhar successfully Completed a Refresher Course in Natural and Bioscience from 29-3-2017 to 18-4-2017 organized by UGC-Human Resource Development Centre, Goa University
- Prof. B.B. Yenage organized Sinhgad trek with 80 NCC Cadets on 02 September as “Swachhata Abhiyan”.
- Prof. B.B. Yenage organized Blood donation Camp 28 September 2016 with collection of 166 bags greatest forever by college.
- Prof. A. V. Kamble attended All India nausinik Camp at Dehradun and Maharashtra Unit one first rank.
- Prof. A.V.Kamble appointed as paper setter at St. Mira College, (Autonomous College) in the subject Electronics.
- Prof. A. V. Kamble invited as Subject expert in selection committee of SPPU for selection of teachers in affiliated colleges.
- Prof. P. S. Varade worked as team member in state level 'Avhan ' Camp, organized by NSS SPPU in the month January 2017.
- Prof P.S.Varade worked as organizing team member in the state level competition 'UTKARSHA' organized by NSS SPPU.
- Prof P.S.Varade organized district level Pre-selection Camp of NRS/ SRD for NSS.
- Prof P.S.Varade completed BCUD Minor research Project “Design Development and Characterization of SAW Gas Sensor”
- Prof P.S.Varade worked as Practical coordinator for SYB.SC. (Computer Science) Practical examinations held in Oct 2016 & March 2017.
- Prof. D.B.Gaikwad invited as a judge at T.C. College, Baramati on 27/02/2017 for “imagine 2017 project completion” organized for T.Y.B.Sc. and M.Sc. Electronic science students.
- Prof G. M. Tarte organized two day workshop for M.Sc. students on Digital System Design using Verilog – Implementation on FPGA in Modern College Pune , on 26-27 Sept 2016
- Prof. R.V. Vidap Appointed as counselor by SPPU for “Heartfulness Meditation”Program of Ramchandra Mission for NSS students. (07/12/2016).

- Prof. R. V. Vidap awarded as Certified Heartfulness meditation trainer by Shriramchandra Mission, Chennai.
- Prof. Umesh Kothawade actively participated in one day works shop on “Future Trends in CMOS VLSI” on 30th August 2016, organized by Department of Electronic Science, SPPU.
- Prof. Umesh Kothawade worked as resource person in two day workshop for M.Sc. Students on Digital System Design using Verilog – Implementation on FPGA in Modern College Pune , on 26-27 Sept 2016.
- Prof. Umesh Kothawade invited as a resource person in One day faculty development program on topic “ARM microcontroller applications” at Fergusson College on 6th April 2017.
- Prof. Y. S. Thipse successfully coordinated Non-Grant Junior unit for Bifocal courses, where he has tried his best to obtain permission for getting the sanctioning of the course from Government of Maharashtra and smooth conduction of academic activities in that campus.

During this academic year Mrs. Himangi Navare joined as instructor for Junior vocational courses. Mr. Mangesh Dayaphule worked as visiting lecturer for Vocational course..Dr. M.S. Zambre, Dr. P.K. Bhadane and Dr. Umesh Hiverkar are research guide at our research centre and conducts lectures for post Graduate course. Recently seven research students are perusing research work for their Ph.D. Degree in Post Graduate Research Centre of Electronic Science.

S. R. Chaudhari

Vice-Principal and Head, Department of Electronic Science

Department of Mathematics

The Department of Mathematics is famous for its teaching in the students’ community. All teaching and non-teaching staff members extended their whole-hearted support and cooperation in smooth functioning of the department.

The strength for the respective classes in the academic year 2016-17 was as follows.

Sr. No.	Class	Strength
1.	F.Y.B.Sc.	156
2.	S.Y.B.Sc.	133
3.	T.Y.B.Sc.	60
4.	F.Y.B.Sc. (Comp.Sci.)	173
5.	S.Y.B.Sc. (Comp. Sci.)	131
6.	M.Sc. - I	60
7.	M.Sc. - II	49

Achievements of the staff:

1. Dr. A. N. Bhavale participated in “National Conference on Discrete Mathematics” held at SPPU, Pune during 20th February, 2017 to 23rd February, 2017.
2. Dr. Mrs. N.H. Mahajan : Delivered guest lectures in the following institutes
 - a) Science College at Wagholi,
 - b) Christ College,Vadgaon Sheri
 - c) Vidya Pratishthan Baramati during the academic year 2016-2017. She initiated and coordinated a “One day State Level Workshop on Teaching Methods in Mathematics for B.Sc. (Comp. Sci.) teachers of SPPU” held on 27th February, 2017. She attended the NAAC peer team meeting for Board of studies members of ST MEERA COLLEGE in March 2017.
3. Prof. Gadagkar P.V. was a coordinator of Lecture series on "Problem Solving in Mathematics at P.G. Level" organised by Bhaskaracharya Pratishtan conducted during 24th July 2016 to 20th November 2016. He also delivered 4 lectures in a National Workshop on "Techniques and Methods to crack NET/SET in Mathematics" organised by Institute of Science during 31st March 2017 to 9th April 2017. He also worked as a member of organising committee in the “National Mathematics Day” activity.
4. Prof. Mrs. Paratane presented a paper entitled ‘Fuzzy programming technique with new exponential membership function for the solution of multiobjective transportation problem’ in the International conference on Analytics in operations Research organized by Birla institute of Management Technology, Greater Noida, Delhi during 12-14 December 2016. She also worked as a member of organising committee in the “National Mathematics Day” activity.
5. Prof. Rohan K. Gawade participated in a “One day State Level Workshop on Teaching Methods in Mathematics for B.Sc. (Comp. Sci.) teachers of SPPU” held on 27th February, 2017. He also worked as a member of organising committee in the “National Mathematics Day” activity.
6. Prof. Mrs. M. S. Rane participated in a “One day State Level Workshop on Teaching Methods in Mathematics for B.Sc. (Comp. Sci.) teachers of SPPU” held on 27th February, 2017. She also participated in a State Level Seminar on “Growing Trends in Computer Science and Applications” organised by Department of B.Sc. Computer Science and BBA (C.A.) of Modern College, Shivajinagar, Pune - 5 on 4th February, 2017.
7. Prof. Chiranjit Mondal (P.G. Teacher) has qualified CSIR NET-JRF, SET and GATE 2017.

Achievements of the students:

1. Two students viz. Shrikar Sankpal and Akshata Janekar of T.Y.B.Sc. Mathematics participated in **Avishkar 2016** under the guidance of Dr. A. N. Bhavale. They have presented a project entitled "Enumeration of Lattices of nullity up to two".
2. Four students of M.Sc. - II have received financial assistance from "EMCURE Pharmaceutical Company". The amount (Total Rs. 65,278/-) received by each student which covers up to 80 % of their academic fees.
3. Four students of S.Y.B.Sc. participated in "Madhava Competition" organised by S.P. College, Pune and Homi Bhabha Center for Science Education, T.I.F.R. Mumbai. Mr. Rohan Kundu got a consolation prize.
4. Three students of M.Sc. - I attended a "National Conference on Discrete Mathematics" held at SPPU, Pune during 20th February, 2017 to 23rd February, 2017.
5. Mr. Subhash Darkunde, a TYB.Sc. student has qualified IIT-JAM 2017 entrance examination.

Activities of the Department:

1. The department celebrated "**National Mathematics Day**" on 22nd December, 2016. The theme of the program was "Program for the students by the students" which was appreciated by the Principal. On this occasion, the chief guest Dr. Y.M. Borse delivered a popular lecture on "History of Indian Mathematicians". It was followed by Project Exhibition, Poster Exhibition and Quiz Competitions. There was an overwhelming response from all students for this activity. Dr A. N. Bhavale was a coordinator of National Mathematics Day.
2. The department organised a "**One day State Level Workshop on Teaching Methods in Mathematics for B.Sc. (Comp. Sci.) teachers of SPPU**" held on 27th February, 2017. Dr. Mrs. N.H. Mahajan was the coordinator of this workshop. It was aimed at enhancing the teaching ability of the respective teacher under the guidance of the renowned subject experts. Overall 21 participants took part in the workshop.
3. The Department of Mathematics and Tech-knit IT Enabled Services Pvt. Ltd. jointly conducted a **Placement Activity for M.Sc. Mathematics students** on 8th March 2017. Out of 84 candidates, 29 candidates were shortlisted for an interview.
4. The department organised a Guest Lecture by Prof. Damodhar Kulkarni on "**Opportunities and Challenges in Programming Career**" held on 11th February, 2017.

Dr. Bhavale A. N. , Head

Department of Microbiology

1. **Dr. S.S. Mujumdar**
 - a) Chairperson, Microbiology Association, Department of Microbiology.
 - b) Participated in a two day International symposium on 'Microbial Ecology and Systematics' held on 16-17 September, 2016, organized by AMI Pune unit, MCC and NCL, Pune.
 - c) Chairperson of Canteen committee.
 - d) Worked as a Co-ordinator of Past student alumni meet organized at the time of NAAC visit.
 - e) Participated in International Conference on "Current trends in bioenergy and its applications".
2. **Ms. Sheetal Pardeshi**
 - a) Participated in a two day International symposium on 'Microbial Ecology and Systematics' held on 16-17 September, 2016, organized by AMI Pune unit, MCC and NCL, Pune.
 - b) Participated in 'Awareness Workshop on Guidelines for Access to Biological Resources under the Biological Diversity Act, 2002' on June 29, 2016 at MCC, Pune organized by Biotech Consortium India Limited (BCIL).
 - c) Secured Best poster award at AMI best poster award competition for master's students in Microbiology (SPPU, 2017) for poster presentation entitled 'Snake scat flora: Upcoming key for animal tissue waste management' held on 8th April, 2017, organized by AMI Pune unit and Abedalnamdar College, Pune
 - d) Worked as a Co-ordinator, Treasure Hunt activity under Microbiology Association, Department of Microbiology
 - e) Worked as a Member of Canteen committee.
 - f) Worked as a Member of Past student alumni meet organized at the time of NAAC visit.
 - g) Worked as a member of Central documentation committee organized at the time of NAAC visit.
3. **Prof. Vivek Bobade**
 - a) Worked as a Coordinator, Skill development course in Microbiology 'Pharmaceutical Techniques'
 - b) Worked as a Coordinator, Poster and Model presentation competition in Microcosm
 - c) Worked as a Coordinator, Documentary presentation competition in Microcosm
 - d) Worked as a Coordinator of technical committee in International Conference on 'Current Trends in Bioenergy and Its Applications'.
 - e) Worked as Invited speaker and delivered a lecture on 'Opportunities in Life Sciences' in a lecture series organized by student welfare committee, Modern College of ASC, Shivajinagar, Pune 5.
4. **Mrs. Anushka Deval**

- a) Worked as a Coordinator, Microbiology Quiz Competition, Microbiology Association, Department of Microbiology.
- b) Participated in International Conference on “Current trends in bioenergy and its applications”.
- c) Worked as a Member of Canteen committee.
- d) Worked as a Member of Past student alumni meet organized at the time of NAAC visit.

5. Mrs. Rupali Sawant

- a) Coordinator, Lecture series on Bioprospecting, Microbiology Association, Department of Microbiology
- b) Participated in International Conference on “Current trends in bioenergy and its applications”.
- c) Worked as a Member of Canteen committee.
- d) Worked as a Member of Past student alumni meet organized at the time of NAAC visit.

6. Mrs. Madhuri Kothawade

- a) Worked as a Coordinator, Drama performance and social activity, Microbiology Association, Department of Microbiology
- b) Participated in International Conference on “Current trends in bioenergy and its applications”
- c) Worked as a Member of Canteen committee.
- d) Worked as a Member of Past student alumni meet organized at the time of NAAC visit.

7. Ms. Jyoti Mohite

- a) Coordinator, Microtoon and Salad competition, Microbiology Association, Department of Microbiology.
- b) Participated in International Conference on “Current trends in bioenergy and its applications”.
- c) Worked as a Member of Canteen committee.
- d) Worked as a Member of Past student alumni meet organized at the time of NAAC visit

8. Mrs. Shradha BashettiBoid

- a) Participated in International Conference on “Current trends in bioenergy and its applications”.
- b) Worked as a member of Certificate committee in International conference on “Current trends in bioenergy and its applications”.
- c) Worked as a Member of Canteen committee.
- d) Worked as a Member of Past student alumni meet organized at the time of NAAC visit.

9. Mrs. Sukhada Akole

- a) Participated in International Conference on “Current trends in bioenergy and its applications”.
- b) Coordinator, Debate competition, Microbiology Association, Department of Microbiology.
- c) Ph. D. degree awarded by Mumbai University.
- d) Worked as a Member of Canteen committee.
- e) Worked as a Member of Past student alumni meet organized at the time of NAAC visit.

10. Ms. Saili Kirtiwar

- a) Coordinator, Microtoon competition, Microbiology Association, Department of Microbiology.
- b) Participated in International Conference on “Current trends in bioenergy and its applications”.
- c) Worked as a Member of Canteen committee.
- d) Worked as a Member of Past student alumni meet organized at the time of NAAC visit.

Departmental activities:

1. **Debate Competition:** It was organized by Department of Microbiology on 11th February 2017 under Microbiology Association and Star college scheme, DBT, New Delhi. It was judged by Dr. Sangeeta Bhagat, Head, Department of Biotechnology, Modern College of Arts, Science and Commerce.
2. **Microtoon and Salad Competition:** It was organized by Department of Microbiology on 10th February 2017 under Microbiology Association and Star college scheme, DBT, New Delhi. It was based on concepts on Microbiology. All Graduates and PG students have participated in the competition. These competitions were judged by Dr. Reebeca Thombare and Mrs. Sreeya Umarani.
3. **Documentry:** It was organized by Department of Microbiology on 10th February 2017 under Microbiology Association and Star college scheme, DBT, New Delhi. It was based on concepts on Microbiology. All Graduates and PG students have participated in the competition. It was judged by Dr. Rajkumar Barmukh, Asst. Professor, Department of Botany, Modern College, Shivajinagar, Pune.
4. **Lecture Series:** Lecture series entitled as “Lecture series on Evolution” was organized by Department of Microbiology on 14th February 2017 under Microbiology Association and Star college scheme, DBT, New Delhi, comprising lectures given by Scientists from National Institutes such as IISER, Pune University Pune.
5. **Treasure Hunt:** It was organized by Department of Microbiology on 10th February 2017 under Microbiology Association and Star college scheme, DBT, New Delhi. It was based on concepts on Microbiology. All Graduates and PG students have participated in the competition. On the basis of clues, students had found the final treasure.
6. **Microbiology Quiz competition:** It was organized by Department of Microbiology on 11th February 2017 under Microbiology Association and Star college scheme, DBT, New Delhi. It was based on concepts on microbiology. All UG and PG students have participated in the competition. The screening test was conducted as per the schedule given for

both UG and PG students on Monday, 30th January 2017. The list of screened students was displayed on noticeboard on 31st December 2016. The students selected from screen test were distributed in the following groups by the lottery method in VIII groups.

Group size for M.Sc.: 4 (2 students of M.Sc I + 2 students of M.Sc II)

Group Size for B.Sc.: 4 (1 F.Y. Student + 1 S.Y. Student + 1 T.Y. Students + 1 S.Y. / T.Y. Student) winning groups were selected on the basis of the quiz rounds like Q/A round, Rapidfire and Visual rounds.

7. **Model and Poster competition:** it was organized by Department of Microbiology on 13th February 2016 under Microbiology Association and Star college scheme, DBT, New Delhi. It was based on concepts on microbiology. All Graduates and PG students have participated in the competition. These competitions were judged by Mrs. Sunita Sakure and Dr. Bhadekar.
8. Department of Microbiology has organized interactive session by Mr. Gaurav Gunjal, Research Scholar, IISc Bangalore for M.Sc Microbiology students.
9. Department of Microbiology has organized interactive session by Mr. Rajan Dhamale, Research Scholar, IISc Bangalore for B.Sc Microbiology students.
10. Department of Microbiology has organized interactive session by Mr. Bhushan Dhamale, Research Scholar, IISc Bangalore for M.Sc Microbiology students.
11. Department of Microbiology has organized one webinar session for students on 15th December, 2016 on Recent Trends in Biotechnology, by Dr. A. M. Deshmukh.
12. New add-on course on Nutrition and Dietetics is started from June 2016 in collaboration with Skill Factory, Pune
13. Visit for T.Y. B.Sc Microbiology students was organized at NARI, Pune on 1st December, 2016
14. Visit for T.Y B. Sc Microbiology students was organized at Blood Bank, KEM hospital, Pune.
15. Visit for M.Sc Microbiology part 2 students was organized at NTC and Katraj Diary, Pune.

Achievements of Students:

1. Ms. Uma Sawant, Ms. Pradnya Kadam, Ms. Shonam Upadhyay, students of S. Y. Microbiology have participated in Microbiology Quiz competition and won the prizes held by Department of Microbiology, R.C. Patel college of Arts, Science and Commerce, Shirpur.

2. Ms. Ashwini Kolhar, Student of M.Sc-I Microbiology won the first prize in Microbiopodium competition held by Department of Microbiology, R. C. Patel college of Arts, Science and Commerce, Shirpur.
3. Ms. Manasi Raut, student of M.Sc-II Microbiology qualified Maharashtra SET exam in 2016.
4. Ms. Manali Anuje, Ms. Ruchita Bhavsar, students of M. Sc-II Microbiology won first prize in poster competition held by AMI Pune in Abeda Inamdar College, Pune.
5. Students of M. Sc-I and M.Sc-II won the first prize in ANNUAL GATHERING organized by Modern college of Arts, Science and Commerce, Shivajinagar, Pune 05.

Achievements of Staff:

1. Mrs. Anushka Devale, Assistant Professor, Department of Microbiology, qualified Maharashtra SET exam in 2016.
2. Mrs. Sukhada Akole, Assistant Professor, Department of Microbiology received Ph. D. degree awarded by Mumbai University.
3. Ms. Saili Kirtiwar, Assistant Professor, Department of Microbiology, selected as a Research Student in Savitribai Phule Pune University.

Dr. Shilpa Mujumdar, Head

Department of Physics

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

Student Strength:

- F. Y. B. Sc. – 213
- S. Y. B. Sc. – 158
- T. Y. B. Sc. – 30
- M. Sc. I – 23
- M. Sc. II – 23

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. F. Y. B. Sc. and S. Y. B. Sc. students visited KISAN 2016, IT-Expo (exhibition arranged by CMDA, Pune) and MahaTech 2017 (an Exhibition of Automation in Industrial Products). Prof. S. S. Thengadi, Prof. Nileshkumar Pardeshi, Dr. Sandeep Patil, Prof. S. R. Gogte, Prof. S. R. Wagh, Prof. V. T. Shelke took efforts in the organization and smooth functioning of these study visits.
2. Guest Lectures:
 - I. Guest lecturer of **Dr. P. V. Shirgurkar** Director P.V Energy Expert, Pune was arranged for M. Sc. Physics students. The topic of the lectures

was "Current Trends in Photovoltaic Cells and its Installation".

- II. **Dr. Ranjeev Mishra**, Senior Scientist IUCAA, Pune guided the graduate students about research and career opportunities in National Research Laboratories.
- III. **Dr Bhalamurugan Sivaraman**, Reader, Atomic Molecular and Optical Physics Division, Physical Research Laboratory, Ahmedabad interacts with M.Sc. I and II on "Opportunities in Research after Post Graduation"
- IV. Guest lectures on Material Science, Human Rights and Cyber Security by **Dr. Jayashree Pant, Prof. Sangita Sarma** and **Prof. Hrishikesh Joshi** were arranged for M. Sc. Physics students.
3. Poster competition for F.Y.B.Sc.: A poster competition and exhibition was conducted for the F. Y. B. Sc. class on 6th February 2017. The theme of the exhibition was "Nobel Laureates in Physics". The Poster exhibition was inaugurated by Prof. S. R. Chaudhari, Vice-Principal, Modern College, Pune - 5. Prof. S. R. Wagh and Prof. A. A. Rindani evaluated the posters. Prizes were distributed by Dr. Ranjeev Mishra Senior Scientist IUCAA. Prof. N. M. Pardeshi was the coordinator of this event.
4. Project exhibition and competition for T.Y.B.Sc.: Students of T. Y. B. Sc. (Physics) carry out project work as a part of their curriculum. Exhibition and Competition of these projects was arranged on 27th February 2017. Prof. S. R. Chaudhari, Vice-Principal inaugurated the exhibition. Dr. Sandeep Patil was the co-coordinator of this event. Prof. A. K. Shinde and Prof. N. P. Ghodake examined the projects.
5. Power point competition for S.Y.B.Sc.: The students of S. Y. B. Sc. prepared power point presentations on various topics of Physics and presented these in the class. This competition gave the students an opportunity to improve their presentation skills. Prof. Amishi Rindani and Prof. A. K. Shinde judged the presentations. Prof. S. R. Gogte was the co-coordinator of this event.
6. Quiz Competition and Project Competition for M.Sc. Students were organized
7. Most of the M.Sc. students carried out their academic projects in collaboration with different institutes such as Department of Physics, Savitribai Phule Pune University, Defense Institute of Advance technology (DIAT) Girinagar Pune, National Centre for Radio Astrophysics (NCRA), IITM Pune etc.

The prizes of all these competitions were awarded by Dr. Ranjeev Mishra Senior Scientist IUCAA, Prof. S. S. Thengadi, Prof. S. R. Wagh and

Prof.V. T. Shelke. They also guided the students about the career development. The event was coordinated by Prof. Nileshkumar Pardeshi Dr. Sandeep Patil, Prof. Sanket Gogte and Prof. Amishi Rindani.

8. **Achievements of Students:**

Results of the Department: For the academic year 2015-16

Class	Percentage (%)
F. Y. B. Sc.	55.21
S. Y. B. Sc.	62.74
T. Y. B. Sc.	90
M.Sc.	56.52

8. Contribution by the teaching and nonteaching staff: Prof. S. S. Thengadi actively participated in NAAC Visit, NIRF, Community college scheme, KAUSHAL. He also helped the college administration in preparation of proposals for various schemes/funding agencies. He was the coordinator for 'ARC WORKSHOP 2016' Pune District organized by Modern College Pune 5.
9. Dr. Sandeep Patil attended a one day conference 'Innovation-2016' held at B. R. Gholap College, Sangvi, Pune on 5th October 2016. He has also delivered a talk in a one day state level seminar on 'Innovation in Nanoscience and Nanotechnology (NANO-2017)' held at B. J. S. Arts Science and Commerce College, Wagholi on 9th January 2017.
10. Prof. S.R.Gogte, Dr. S.S.Patil, Prof S.S.Thengadi and Mrs.Deepali Salunkhe contributed for Theory and Practicals for B.Sc. Blended course.
11. All the Non Teaching staff members conducted Practicals for Junior Non Grant Course, B.Sc. Blended and Community College Scheme successfully.
12. New Appointments in the Department.

Prof. Mrs. Amishi Rindani (M.Sc., M.Phil. and SET), Ms. Sheetal Bhosale and Ms. Neha Ghodke were appointed for M.Sc. course. Ms. Aparna Shinde and Ms. Pooja Kulkarni and Dr. Devdatta Shinde worked as visiting/ CHB faculty. Prof A.V.Deshpande (Retired Head Department of Physics, Modern College, Pune 5) and Dr. J.B.Pant (Associate Professor Abasaheb Garware College, Pune 4) contributed as guest faculties for M.Sc. II class.

Prof. S.S.Thengadi, Head, Department of Physics

Department of Statistics

Department of Statistics organized the following academic activities during the year 2016-17.

The prominent events in this year were:

- NAAC peer team visit during 19th to 21st December 2016.
- Historical account of department was prepared.
- International workshop on Biostatistics organized on 31st December 2016.
- Prof. P. G. Dixit received Ph. D.
- Statistics Olympiad was conducted 8th January 2017 for the first time.
- Scholarships to students of Rs.2 lakcs 79 thousnad.

1. Academic Activities and Achievements of Students:

- Quiz:** F.Y. B. Sc., F. Y. B. Sc. (Computer Science) and S. Y. B. Sc. Quiz first round was organized on 17th January 2017.

Result of the Quiz was as follows:

Class	Name of the Toppers	Rank
F.Y. B.Sc.	1. Mr. John Shibu	First rank
F.Y.B.Sc. (Comp. Science)	1. Mr. Digvijay Kalamkar	First rank
S.Y. B.Sc.	1.Ms.Mugdha Ajitkumar Gandhi 2. Ms. Ananya Pandurang Pisal 3. Mr.Aditya Shrinivas Hasurkar 4. Mr. Jayesh Hiralal Dhole 5. Ms. Aishwarya Anil Mehta	Selected for the Final round.

b) Participation of Students:

- Two groups of T. Y. B. Sc. students were selected after first round for presentation of their projects in Project Competition at New Arts, Science and Commerce College, Ahmednagar on 4th March 2017.
- M.Sc. Statistics II students attended workshop at CYTEL Software Company Ltd. Pune on 4th March 2017.
- M.Sc. Statistics I and II students attended workshop on SAS at ULTRAMAX Company Ltd. Pune on 29th March 2017.

2. Workshops Organized:

- Statistics day was celebrated on 2nd July 2016. Mrs. Ashwini Kulkarni (Scientist E from Indian Institute of Metrology) talked on "Application of statistics in atmospheric sciences".
- Dr. P. V. Sukhatme birth anniversary was celebrated on 28th June 2016.

Prof M.B. Rajarshi Retired Head Department of Statistics, SPPU, Pune was invited as Chief guest. He gave lecture on 'Use of Statistics in Sports'. Prof. Pathare Suresh, former faculty member of Modern College Pune -05 received Ph.D. of Savitribai Phule Pune

University was felicitated at the hands of Prof. Rajarshi M.B.

- Dr. M.B. Kulkarni memorial Lecture series:** Lecture by Dr. M. P. Gadre on the topic "Statistical

Process Control" was organized on 3rd September 2016.

- One day International workshop on Biostatistics** was organized on 31st December, 2016. It was jointly organized by Cytel statistical services Pvt. Ltd., India, International Indian Statistical Association (IISA), and Department of Statistics, Modern College, Shivajinagar, Pune 5.

Eighty six participants from various places such as (Pune, Ahmednagar, Jalgaon, Nagpur, Delhi, Chennai) participated in the workshop.

Dr. R. S. Zunjarrao, Principal of Modern College welcome and felicitated the dignitaries on dias. Dr. Anil Gore introduced of the Guests, Dr. Ajay Sathe (CEO Cytel) took the overview of the program.

The Events in the workshop were:

- Poster Presentation
- Lectures by eminent personalities (Dr. Debashis Mondal (Oregon State University,US), Dr. Anil Gore (Cytel Statistical Services Pvt. Ltd.
- Case study discussion by eminent personality (Dr. Vidyadhar Phadke)
- Panel discussion by eminent personalities. (Dr. Chitra Lele (Sciformix), Mr. Nitin Pawar, Mrs. Poornima Dhobe, Dr. Amitava Mukhopadhyay, Dr. Debashis Mondal)

- Statistics Fest:** Department is organizing "Statistics Fest" every year for last four years to inculcate the logical thinking and to enhance soft skill . In this year Department has organized "Statistics Fest" on Friday, 17th February 2017 for S.Y., T.Y., M.Sc. (I and II) students. Mr Tanmay Chadresa (CEO, e-solve) was chief guest for program and delivered lecture on "An Opportunities in e-tutoring" and "How to write C.V. and How to face interview".

- Statistics Olympiad:** Statistics Olympiad was conducted on 8th January 2017, fourteen participants appeared Olympiad examination. Mr. Swapnil Sutar from C.R. Rao Institute, Hyderabad conducted the activity.

3. Guest Lectures Organized:

Sr. No.	Date	Name of the Guest	Topic
1.	02/07/2016	Dr. Ashwini Kulkarni , Scientist E, I.I.T.M. Pune	Applications of Statistics in Atmospheric Sciences.
2.	27/07/2016	Dr. M.B. Rajarshi Former Head of Statistics Department, University of Pune.	Use of Statistics in sports
3.	03/08/2016	Prof. M. P. Gadre, Statistics Department , Savitirbai	Statistical Quality Control

		Phule Pune University .	
4.	25/01/2017	Dr. S.L. Sananse Head of Statistics Department, Dr. B.R. Ambedkar Marathwada University, Aurangabad	Applications in Statistics
5.	17/02/2017	Mr. Tanmay Chandresa , CEO, E –solve e learning company.	Job opportunities in E – tutoring and in E- Solve. Interview techniques and C.V. writing.
6.	20/02/2017	Dr. Jayashree Muley, Vice-Principal, Pratibha College of Commerce and Computer studies Chinchwad.	Econometrics: Single regression variable.
7.	08/03/2017	Mrs. Anjali Nikam (past student) (USA)	Career Planning

4. Workshops, Seminars Participation and worked as resource person:

A) Dr. P. G. Dixit

1. He worked as resource person at Mumbai University for refresher course in Statistics on 9th November 2016. He talked on Simulation.
2. He worked as judge for poster competition at S.P. College, Pune -30 on 28th January 2017.
3. He delivered lecture on 2nd February 2017 on the topic “Personality Development” under the lecture series of Students’ Welfare Scheme of UGC at Modern College, Pune -05.
4. He worked as judge for S.Y. B.Sc. Quiz final round at Poona College, Pune. He was also chief guest for the inaugural and valedictory functions. On 20th February 2017.
5. He was the chief guest for valedictory function at Project Competition at New Arts, Science and Commerce College, Ahmednagar on 4th March 2017.
6. He presented a paper at National conference at Shivaji University, Kolhapur on 10th and 11th March 2017.
7. He worked as resource person in the lecture series by experts at Department of Statistics at Dr.Babasaheb Ambedkar University on 30th and 31st March 2017. Topic was renewal theory.

D) Dr. A.T. Kamble

1. Worked as a resource person in a National level workshop on Research and Statistics Made Incredibly Easy “at Bharati Vidyapeeth Deemed University, Pune Topic: “Testing of Hypothesis using R (5-10 Dec. 2016).
2. Dr. Asmita Kamble worked as a resource person in a State level workshop on “Statistics Using R” at Department of Statistics, RTM Nagpur University,

Nagpur on 1st & 2nd March 2017. Topic: “Principal Component Analysis using R”.

3. Dr. Asmita Kamble presented a paper in National conference “Recent Advancements in Statistics and Their Applications to Society at Savitribai Phule Univeristy , Pune on 23rd to 25th March 2017.

E) Prof. T.N. Choudhary

Worked as a resource person in a National level workshop on Research and Statistics made Incredibly Easy “at Bharati Vidyapeeth Deemed University, Pune Topic: “Testing of Hypothesis using R (5-10 Dec. 2016).

F) Prof. P.S. Waldhe

Worked as a resource person in a National level workshop on Research and Statistics made Incredibly Easy “at Bharati Vidyapeeth Deemed University, Pune Topic: “Testing of Hypothesis using R (5-10 Dec. 2016).

All the staff members helped in organizing “One day International Workshop on Biostatistics” on 31st December 2016. Modern College of Arts, Science and Commerce, Pune-05.

5. Achievements and Publications.

A) Dr. P. G. Dixit

1. He has been awarded Ph.D. degree on 28th October 2016 by Sant Gadage Baba Amaravati University, Amaravati.
2. He is nominated
 - (i) On Board of Studies in Statistics of autonomous college R.L. Science College, Belgum, Karnatak.
 - (ii) Syllabi Revision Committee of Statistics at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
3. He is a member of editorial board of Research journal “Dnyanmay” published by Progressive Education Society.
4. He published article in Research Journal “Dnyanomay” vol. I, Issue 4 ISSN 2395, page no. 13 to 16, Title “Determination of Sample size’.

B) Prof. P. S. Kapre

Prof. P.S. Kapre was invited as expert at paper setting meeting of F.Y. B.Sc. (Regular and Computer Science) examinations at Fergusson College, (Autonomous) Pune.

C) Dr. M. M. Sane

Dr. M. M. Sane appointed as a member of Board of Studies at Fergusson College, Pune (Autonomous).

6. Industry Academia program and Add – on courses:

- i. Department has conducted training program on SAS software with the help of Data Science Lab Software Services, Pune. All M. Sc. II students have participated. It has enhanced the employability of the students.

- ii. Mr. Kotkar M.S. from CYTEL Software Services, Pune taught the course "Analysis of Clinical trials" to M. Sc. Students for four consecutive years.
- iii. R software and MS –excel certificate course was conducted in December 2016.

7. Consultancy:

We have analyzed feed back forms and prepared a report for Modern Law College, Pune - 16. with the help of M.Sc. students.

8. Miscellaneous (e-governance and extension):

- i. Dr P. G. Dixit is nominated as Secretary of advisory Board and a trustee of an NGO Students' Welfare Association, Pune .
- ii. Prof. P.S.Kapre was appointed as nodal officer of Modern college for all India survey on higher education by M.H.R.D.Govt. of India. He submitted TIF and DCF II form of Modern College, Shivajinagar, Pune -05for the years 2016-17 on AISHE portal. He also submitted information of the college on NIRF Portal Government of India on 22nd January, 2016.
- iii. Prof. P. G. Dixit worked as, Chairman of Gymkhana Committee.
- iv. Dr. Manisha Sane worked as, coordinator for Annual Prize Distribution Committee (Academic).
- v. Dr. Asmita Kamble was appointed as a assistant Nodal Officer.
- vi. Dr. Manisha Sane worked as, advisor Science Association committee.
- vii. Dr. Manisha Sane worked as Chairperson of Result Analysis Committee.
- viii. Prof. Asmita Kamble worked as, member of Science Association.

9. Prizes:

- A. **V.R.Dhongade prize** Mr. Shelke Mukund N. (F.Y. B.Sc.Topper)
- B. **V.R. Prayag prize:** Mr. Bedre Keshav (T.Y.B.sc, Deserving needy students)
- C. **Late Sou. Indirabai Chirputkar prize:** 1.Ms. Shaikh Heena (S.Y. B.Sc. Topper)
2. Mr. Thube Yogesh (S.Y.B.Com.Topper)
- D. **Late Nirmala Potnis Prize:** 1. Ms. Gore Mahesh (T.Y.B.Sc.Topper)
2. Mr. Mujawar Anjum (T.Y.B.Com.Topper)
- E. **Dr. P. G. Dixit Prize** Ms. Ketaki Pathare (Highest marks in statistics in M.Sc. II)
- F. **Mrs. U .P. Dixit Prize** Ms. Manorama Khunte (Highest marks in statistics in M.Sc. II)

Scholarships/ Funds:

Scholarship sponsored by	No. of Beneficiaries	Amount (Rs.)
1 Cytel software Ltd. Pune (under Corporate Social Responsibility	24	1,82,000/-

Scholarship sponsored by	No. of Beneficiaries	Amount (Rs.)
(CSR) scheme)		
Emcure Pvt. Ltd. Pune	7	57000/-
Smt. Smt Nirmala Potnis and Smt.Shobhana Manolkar Scholarship	9	40,000/-

Dr. P. G. Dixit, Head

Department of Zoology

This academic year the entire college, including our department was busy in preparations for the NAAC Peer Team Visit. Rigorous work related to documentation of activities and records was done by all staff with great enthusiasm.

This is a brief report of the department for this academic year 2016-17.

Educational visits/study tours

The students of S.Y.B.Sc. 'B' have a course in Applied Zoology. To get better insight of the subject a special educational visit was organized for them on 27th January 2017.

Students and staff visited the Sericulture Institute at Wai. Here they saw Mulberry plantation (Moriculture), life-cycle of silk moth, Sericulture equipment and all related amenities. Their staff gave live demonstrations of rearing activities of silkworm. In the afternoon, they visited the Apiculture Institute at Mahabaleshwar. The students were shown bee handling, rearing methods, various types and species of bees and also Apiculture equipment.

Prof.B.T.Kalbage, Dr. P.S.Kudnar, Dr.Y.S.Shinde, Ms.Pallavi Shewale, Mr.Umesh Gore and Mr.Rishikesh Kondhalkar accompanied the ninety students. The students were benefitted by this trip.

Field visit was organized to the Savitribai Phule Pune University pond. Dr. Yugandhar Shinde explained to the students the pond-ecosystem and also practically showed them the biodiversity therein. Dr.Anand Babrekar and Mr.Narendra Naidu too accompanied the students.

The T.Y.B.Sc. Zoology students of this year were very fortunate to experience a unique educational tour from 30th January to 4th February 2017. They visited Anandwan, Hemalkasa, Nagepalli and Somnath, the projects started by the veteran social worker Baba Amte. The students had an opportunity to study biodiversity, sustainable development, conventional and non-conventional energy models, animal rescue and orphanage, medical treatment and rehabilitation of leprosy patients, water shed management, organic farming and many concepts of theory put into practice. Above all this, the tour created a sense of social

responsibility amongst students and staff. The spirit of the differently challenged to be independent and self reliant was very inspiring.

The students and staff had direct interaction with several senior devoted workers of these projects and also with Dr. Vijay Pol, Dr. Bharati Amte, Dr. Vikas Amte, Mr. Kaustubh Amte and Mr. Aniket Amte.

On the way back they also visited Mahatma Gandhiji's historical Sewagram Ashram at Wardha. The spiritual atmosphere that prevails there calms the mind. The students came to know many unknown aspects of Gandhiji.

The students were accompanied by Mr. Narendra Naidu, Dr. P. S. Kudnar, Dr. S. S. Puranik and Mr. Umesh Gore.

Our Post graduate students of M.Sc.- I visited Zoological Survey of India(ZSI) , Akurdi on 25th October 2017. It was an enriching experience for them. Dr. Priyanka Dutta Saha escorted the students.

Educational tour for students of M.Sc. - II was organized on 17th and 18th March 2017 to Amba Ghat near Kolhapur. Ms. Netra Kulkarni and Dr. Priyanka Dutta Saha accompanied the students. Mr. Nikhil Dandekar from INHER, joined the team as Biodiversity expert. The primary purpose of this educational tour was to study forest biodiversity.

Activities under DBT Star College Scheme, New Delhi

Special Workshop on Microscopy

Two day workshop on Microscopy in collaboration with the Department of Zoology, Savitribai Phule Pune University has now become a regular feature of our department. The workshop was conducted on 22nd and 23rd October 2016. The batch consisted of 33 students from F.Y.B.Sc. 'B'.

Dr.B.B.Nath, Professor in Zoology, Department of Zoology, Savitribai Phule Pune University, conducted the major sessions. His lucid explanation and practical tips aroused interest and enthusiasm amongst the participants. He made the students understand the basics of Microscopy right from a simple microscope to the electron microscope.

Dr.Leena Thorat, Post-doctoral fellow from Department of Biotechnology, Savitribai Phule Pune University conducted a few lectures and hands-on-training sessions.

Dr. P. S. Kudnar was the Coordinator for this special workshop.

ZooVision

Poster and Model Exhibition cum Competition called 'ZooVision' was held on 17th February 2017. More than 70 students from F.Y.B.Sc. to M.Sc. enthusiastically participated in this activity. Topics such as Animal diversity, Cell Biology, Molecular

Biology, Evolution, Parasitology, Taxonomy and many more were selected by the students.

Dr. Archana Kachhaway, Staff member, Department of Biotechnology, of our college, was the judge for this competition. Prof.B.T.Kalbage was the Coordinator for this activity.

Results of ZooVision

Poster: UG

First Place

Pradnya Kadam, Aishwarya Nair: Zombie Parasites

Second Place

Manali Shevkar, Dimple Parate, Dhanashree Chandwadkar: DNA Replication

Appreciation

Anant Shelke, Vishwajeet Jaybhaye, Shivraj Tikundi: Evolution games

Appreciation

Ashish Thorve, Mayur Kale: Zoological games

Poster: PG

First Place

Swapnil Boyane, Subham Shendge: Diversity of Heteroptera

Second Place

Pratik Pansare: Assassin bugs

Second Place

Saurabh Khandare: Fresh water snails

Third Place

Diksha Patil, Rekha Kale, Sneha Shahane: Fossils

Models: UG

First Place

Bhavana Didmuthe, Ujala Rani, Komal Mane, Vishakha Kendre : Central dogma of Molecular Biology

Second Place

Pooja Jadhav, Harshali Khedkar, Gaytri Raut, Sameeksha, Arti Bhope, Rupeksha Sudit, Dnyaneshwari Gandekar: Pangea separation

Lecture Series-

The name of the speaker, the topic and the date are as follows:

- Mr.Rishikesh of Lokayat spoke on 'Hiroshima and its aftermath' on 27th August 2016
- Dr. Abhijeet Safai on 'Clinical Endocrinology' on 30th August 2016
- Mr. Abhijeet Deshmukh on 'Entrepreneurship in waste management' on 2nd Sept 2016
- Ms. Manjushree Tadvalkar on 'Waste Management and Organic Farming' on 10th Sept 2016
- Dr. Buvanesh Awasthi on 'Mechanisms of Decision Making' on 24th Dec 2016
- Dr. Ananda Babrekar on 'Applied Genetics' on 31st Dec 2016
- Lokayat volunteers on 'Save the Earth' under Vasundhara Film Festival on 10th January 2017

Young Ecologists Talk and Interact (YETI) 2017

YETI is first-of-its-kind National level conference for students and researchers of Ecology, Evolution, Behaviour, Biodiversity and Conservation in India, held annually in India since 2009.

For the first time students from our college participated in this conference, held this year at Tezpur University, Assam.

The participants were:

1. Pratik Pramod Pansare (M.Sc.- II Zoology)
2. Saurabh Narendra Khandare (M.Sc.- II Zoology)
3. Balasaheb Vitthal Sarode (M.Sc.- II Zoology)
4. Swapnil Shivaji Boyane (M.Sc. I Zoology)
5. Shubham Santosh Shendge (T.Y.B.Sc. Zoology)
6. Nikhil Ulhas Joshi (SPPU, Zoology)- ex -student of our department.

Dr. Yugandhar S. Shinde took initiative and encouraged students to enrol. Dr.Hemant V.Ghate, Former Head and Research Guide at our PGRC, guided the students. The department extended support for this activity. Principal Dr.R.S.Zunjararo granted permission and rendered financial support through DBT Star College Scheme, New Delhi.

Activities / Achievements of Staff

Narendra M. Naidu

- Worked as Coordinator for the 'Centre for Innovations in Teaching, Learning and Evaluation' under the guidance of Advisor, Dr.Sushama Joag
- Was invited by Vijnan Bharati, Pune as Master Trainer for Training programme of Science teachers of Std IX and Std X , 29th and 30th June 2016
- Worked as Coordinator for the year long workshop on Cooperative Learning by Dr.Lalita Agashe, July 2016 to February 2017
- Was a Resource person in the 'Certificate course in Arthropod biology' conducted by Abasaheb Garware College and INHER, Pune, October 2016
- Was a Resource person in the 'Ornithology' Course conducted by ILA Foundation and Abasaheb Garware College, Pune, 5th January 2017
- Was appointed by SPPU as Coordinator for S.Y.B.Sc. Practical Examinations in Zoology (Pune District), March 2017

Prof. Bharat T.Kalbage

- Worked as Coordinator for M.Sc. Zoology Course
- Worked as Coordinator for ZooVision
- Worked as Assistant Coordinator for IVTC
- Guided students for ZooVision 2017

Dr. P. S. Kudnar

- Worked as Coordinator for Microscopy Workshop
- Guided students for ZooVision 2017
- Completed the Cooperative Learning workshop

Dr.Y.S.Shinde

- Completed the BCUD project-Taxonomy and distribution of Ostracoda (Crustacea) of phytotelmata from Western Maharashtra. (2014-16)
- Completed a Refresher Course in Natural and Biosciences from 29th March to 18th April 2017, at HRDC, Goa University
- Taught at B.Sc. Blended Course
- Presentation at Innovation 2016
- Guided students for YETI
- Guided students for ZooVision 2017
- Completed the Cooperative Learning workshop

Dr. (Mrs.) Shubhangi S. Puranik

- Worked as a Principal Investigator of BCUD sanctioned project of Rs.1.5 L
- Worked as a Ph. D. guide.
- Worked as a Student Development Officer. Conducted Earn & Learn scheme. organized Personality development Workshop in collaboration with Rotary Club of Shivajinagar, Pune. Coordinated Special Guidance Scheme for students in the college.
- Worked as a Chairperson of Institutional Social Responsibility (ISR) activities and conducted number of activities and Industry Academia Meets.
- Session coordinator of International conference organized by the college.
- Coordinator & conducted Add on course on Animal Tissue Culture.
- Organized educational tour for T. Y. B.Sc. students and one-day trip of teaching -non teaching staff of Zoology department.
- Guided students for ZooVision 2017

Ms. Netra D.Kulkarni

- Appointed as a faculty member for M.Sc. Zoology teaching programme
- Registered for Ph.D. at PGRC, Department of Zoology, Modern College, Pune-5
- Escorted the M.Sc.-Zoology-II students during Biodiversity tour to Amba Ghat
- Guided students for ZooVision 2017

Dr.Priyanka Dutta Saha

- Newly appointed as a faculty member for M.Sc. Zoology teaching programme
- Escorted the M.Sc. Zoology -I students during Educational Visit to ZSI, Akurdi
- Escorted the M.Sc.-Zoology-II students during Biodiversity tour to Amba Ghat
- Guided students for ZooVision 2017

Dr.Ananda A. Babrekar, Ms.Pallavi K.Shewale and Ms.Priyakumari Chanda were appointed as temporary teaching faculty for the undergraduate

courses in Zoology. They actively participated in co-curricular and extra-curricular activities besides their regular teaching assignments.

Ms. Pallavi K. Shewale our ex-student and currently one of our teaching staff qualified the UGC-JRF-NET examination, in March 2017.

Mrs.Chabukswar Vaishali V.

- Conducted session in IVTC.
- Worked as Zoology In-charge for Junior college for the academic year

Mrs.Ashwini Deshkar

- Conducted session in IVTC
- Helped in organizing Staff trip
- Completed the Cooperative Learning workshop

Mrs.Renu Bhalerao

- Conducted session in IVTC
- Involved in planning and execution of 'Kala Saptah' activities and was In-charge for the Singing Competition
- Actively involved in guiding students and execution of Cultural Programme performed during NAAC Peer Team Visit
- Organised one-day trip of Departmental staff
- Assisted in organizing and coordinating the year long workshop on Cooperative Learning by Dr.Lalita Agashe
- Completed the Cooperative Learning workshop

All teaching and non-teaching staff whole heartedly were involved in the work related to organization of the International Conference on Current Trends in Bio-energy and its Applications' held on 3rd and 4th February 2017, at our college.

Current activities of the Post-Graduate Research Centre

Research Publications of Dr. H.V.Ghate

- Padhye, S.M., B. Timms & **H. V Ghate** (2016) Large branchiopod (Crustacea: Branchiopoda) egg morphology of Western Ghats, Maharashtra, India. *Zootaxa*. ; 4079(2):246-54. doi: 10.11646/zootaxa.4079.2.6.
- Kulkarni, S. & H. V. Ghate (2016) First record of the thread-legged assassin bug *Myiophanes greeni* Distant, 1903 (Heteroptera: Reduviidae: Emesinae) from India. *Biodiversity Data Journal* (4): e7949 doi: 10.3897/BDJ.4.e7949
- Majumder, A. Bulganin Mitra, H. V. Ghate & Kailash Chandra (2016) On Three Species of the Genus *Olenecamptus* Chevrolat, 1835 (Coleoptera: Cerambycidae: Lamiinae: Dorcaschematini) from Chhattisgarh, India, with a List of the Indian Species. *The Coleopterists Bulletin* 70(2):321-326. 2016 doi: <http://dx.doi.org/10.1649/0010-065X-70.2.321>

- Padhye, S. M. & H. V. Ghate (2016) A new species of *Leptestheria* (Crustacea: Branchiopoda: Spinicaudata) from Western Maharashtra, India. *Zootaxa*. 4127(2):345-54. doi: 10.11646/zootaxa.4127.2.6.
- Sheth, S.D., H. V. Ghate & Bernhard J. Van Vondel (2016) Illustrated redescription of *Haliphus* (*Liaphlus*) *arrowi* Guignot, 1936 (Coleoptera: Halipidae) from the Western Ghats, India, and notes on the closely related *H. angustifrons* Régimbart, 1892. *Zootaxa*. 4127(2):355-64. doi: 10.11646/zootaxa.4127.2.7.
- Siddharth Kulkarni & H. V. Ghate (2016) A new cavernicolous assassin bug of the genus *Bagauda* Bergroth (Heteroptera: Reduviidae: Emesinae) from the Western Ghats, India. *Zootaxa*. 4127(2):365-75. doi: 10.11646/zootaxa.4127.2.8.
- Jakhalekar, S.S. & H. V. Ghate (2016) Taxonomy of freshwater sponges of Maharashtra, India, with illustrated descriptions and notes on ecology and habitats (Porifera: Spongillida: Spongillidae). *Zootaxa*. 4173(6):501-529. doi: 10.11646/zootaxa.4173.6.1.
- Kolla Sreedevi, **H. V. Ghate**#, M. Sharma and S. Kulanthaivel (2017). First record of the longhorn beetle, *Rosalia lameerei* Brongniart (Cerambycidae: Cerambycinae: Comptoscerini) from India, with additional descriptions of male. *Entomon*. 42 (1): 37—40.
- **Ghate, H.V.** , S. Kulkarni & Vijay Anand Ismavel (2017). Illustrated redescription of two large coreid bugs from Assam including *Schroederia feana* (Distant, 1902) as the first record for India (Hemiptera, Heteroptera, Coreidae, Coreinae, Mictini). *Entomon*. (In Press)

Research

Thirteen students are currently pursuing their Ph.D. work at our Post Graduate Research Centre in Zoology.

Post Graduate Teaching

Dr.Shubhangi Puranik and Ms.Netra Kulkarni continued as PG teachers. Dr.Priyanka Dutta Saha was newly appointed for PG teaching. Prof.B.T.Kalbage continued as the Coordinator for this programme. All UG staff also contributed to the PG teaching and practical sessions.

Prof.Sushama J.Thatte (Former faculty of our department), Dr.Savita P.Datar (Head, Department of Zoology, Sir Parashurambhau College), Dr.Leena Thorat (Post-doctoral Fellow, Department of Biotechnology, SPPU), Mr.Hrishikesh Joshi and Dr.H.V.Ghate (Former Head and Research Guide at PGRC of our department) were invited as Guest Lecturers.

Integrated Vermitechnology Training Course (IVTC) :

Our department in collaboration with Institute of Natural Organic Agriculture (INORA) conducted this Add-on Course this year too. Two batches completed this Hands-on- training course. One batch of F.Y.B.Sc. and M.Sc. students commenced in August 2016 and the other exclusively of T.Y.B.Sc. students commenced in January 2017.

All members of the teaching staff contributed to this course. The non-teaching staff rendered their support.

Field visit was common to both the batches. The main site was the INORA project at Daravali. In addition the participants were taken to individual bungalows, Vermicompost unit at IISER, the INORA office at Bavdhan and an ideal village Ambadvet- especially with respect to rural household waste management. This educational visit gave the participants an idea about practical waste-management at various levels.

Ms. Manjushree Tadvalkar, Managing Director, INORA, Ms. Nutan Bhajekar, Director, INORA, Ms. Vrinda Panhalkar, Director, INORA and other Executive members took lot of efforts to make this training course meaningful and fruitful.

Mr. Narendra Naidu was the Coordinator and Prof. B.T. Kalbage was the Assistant Coordinator.

Department Trip

All teaching and non-teaching staff went out on a one day trip to Hudshi and Chinmaya Vibhooti, Kolwan on 17th July 2016. This was the first ever departmental trip.

Parents' Meet

A Parents' Meet of the students of T.Y.B.Sc. Zoology, with the teaching and non-teaching staff was organized on 27th August 2017. Mr. Narendra Naidu addressed the parents and the students. All teachers shared information about the departmental activities and later had an informal interaction with the parents. The parents appreciated the concern shown by the college and the department.

Alumni

Dr. Bhuvanesh Awasthi (UK), an ex-student of our department delivered a lecture for the F.Y.B.Sc. students on 'Mechanisms of decision making' followed by an interactive session.

Dr. Mandar Kulkarni (BioServe India, Hyderabad), an ex-student of our department visited us and interacted with the PG students regarding career opportunities.

Activities of Students

Our T.Y.B.Sc. students and PG students actively took part in the Personality development programmes,

Awareness rallies and several co-curricular and extra-curricular activities organized by the college.

Our PG students: Ekta Dhavad, Rutuja Nalge, Snehal Kolhe, Amrapali Sonawane, Ajinkya Unawane, Swapnil Boyane, Vinnie Noel, Harsha Rathi, Kanchan Khadse, Vaishnavi Bhivare, Varada Kulkarni and Neeraja Dhole enthusiastically put up stalls in the Mega-event Vyapar Mela.

Achievement of Students

Trupti Barve T.Y.B.Sc. was the topper in T.Y.B.Sc. Zoology for the year 2015-16. She bagged the Prof. Mora Teja Chauhan Prize.

Nikhil Joshi secured admission for M.Sc. Zoology at the Savitribai Phule Pune University. Swapnil Boyane, Diksha Patil, Rekha Kale, Gayatri Tingre, Sneha Shahane and Snehal Kolhe secured admission for M.Sc. Zoology at Modern College, Pune-5. Subodh Gaikwad, Pooja Wavhal and Sweety Shinde secured admission for M.Sc. in Bioinformatics at SPPU.

Narendra M. Naidu, Head

DEPARTMENT OF COMMERCE

Academic Results:

The result of B. Com. Examination held in April, 2016 was 66.22%

The result of M. Com. (2013 Pattern) Examination held in May 2016 was 88%

Faculty Development Activities

During the year, the department conducted a Quality Improvement Workshop for Faculty on 13th December, 2016. Dr. N. S. Umrani, Principal, Garware College of Commerce, Pune 411004, was invited as a Resource Person to guide the staff.

Student Development Activities

a) ISR Activities for Students:

Scholarships to Students - Emcare scholarship was awarded to Akshay Orse, a student of F.Y. B.Com. and **Financial Assistance** for sports was given by Rotary Club Shivajinagar, Pune and Modern College Student Aid Fund to Harshada Kirit Shroff, a student of F.Y. B.Com.

b) Workshop on Union Budget 2017

The Department had organized a Workshop on Union Budget 2017 on Thursday 9th February, 2017. CA Gita Patwardhan Kulkarni, a practising Chartered Accountant, discussed the salient features of the budget. She also discussed the proposed amendments in Income Tax Law as well as the proposed Goods and Services Tax Law. The lecture was followed by a group discussion. The workshop was attended by 298 students and all faculty members of the Department.

c) Students' Research Projects

Research projects were done by the students of S.Y. B.Com on the topic 'Demonetisation' in Dec., 2016

under the guidance of Dr. A.V. Kamble and on the topic 'Corporate Governance', under the guidance of Prof. A.V.Desai in Feb., 2017

Retirements:

- i) **Dr. Sanjeevani K. Rahane** retired on 31st October, 2016 after a continuous service of 34 years in the Department
- ii) **Dr. Y. R. Waghmare** retired on 30th April, 2017 after a continuous service of 37 years in the Department

The department acknowledges their contribution in administration and the development of the department.

Research Centre in Commerce

During the year two scholars have submitted their Ph. D. thesis for evaluation

S. No.	Name of the Scholar	Date of Submission	Name of the Guide
1	Mr. Anil Jagtap	January, 2017	Dr. Y.R. Waghmare
2	Mrs. Sangeeta Dixit	March, 2017	Dr. R.M. Chitnis

Presently, ten scholars are pursuing doctoral research at the Centre.

Achievements of staff

Faculty invited as resource persons

S. No.	Name of the Faculty	Dates, Organizing body and Place	Topic
1	Dr. A. V. Kamble	27th Nov., 2016 at Savitribai Phule Pune University, Pune	Higher Education: Problems and Prospects
2	Dr. A. V. Kamble	1st Aug., 2016 at Yashwantrao Mohite College, Pune	Foreign Direct Investment
3	CA Rasika Date	1st Dec., 2016 at Pune Branch of the Institute of Chartered Accountants of India, Pune	Code of Ethics for members in practice and members in Industry
4	CA Rasika Date	25th December, 2016 at Pune Branch of WICASA of the Institute of Chartered Accountants of India	Sharpen your skill from Exam to Professional
5	Dr. A. V. Kamble	On 5th January, 2017 in a Two day National Level Symposium on Organized by Sinhgad College of Arts & Commerce, Pune	Information Technology in 21st century for Workplace Management

Faculty participation in seminar

S.N o.	Name of the Faculty	Date	Description	Place
1	Dr. A. V. Kamble	23rd to 25th	First National	Pune

		Sept., 2016	Teachers Congress	
2	Dr. V. N. Gaikwad	2016	Skill Development Workshop	Mumbai

Staff members availing FIP

During the year, two staff members from the Department viz. Prof. Swati Ahiwale and Prof. Rupesh Bansode continued to avail leave under the Faculty Improvement Programme (FIP) for pursuing their Doctoral Research.

New appointments

During the year, Prof. Govind Kamble was appointed on leave vacancy on ad-hoc basis and Prof. Prachi Ghute was appointed on clock-hour basis

Other achievements

1) Dr. Ashok V. Kamble

- i) Invited as subject expert in Commerce in 'CAS' organized by Department of Higher Education and Ramakrishna More College, Akurdi, Pune on 28th December 2016.
- ii) Invited as a judge in intercollegiate annual event 'PANACHE' organized by Hiraben Nanawati Institute of Management and Research, Pune on 19th January 2017.
- iii) Participated in the Workshops on "How to prepare for NAAC Peer Team Visit" organized by MCASC, Pune on 16th Sept., 2016 and 19th Nov. 2016

2) Dr. Vijay N. Gaikwad

- i) Appointed as Coordinator for S.Y.B.Com. Practical Examinations, March, 2017 by Savitribai Phule Pune University
- ii) Worked as Member – Organising Committee of Vyapar Mela 2017
- iii) Participated in the Workshops on "How to prepare for NAAC Peer Team Visit" Organized by MCASC, Pune on 16th Sept., 2016 and 19th Nov. 2016

3) CA Rasika P. Date

- i) Completed a Minor Research Project Titled 'Gender Audit of Educational Institutions: A Case Study of select Deemed Universities in Pune'. The project was funded by BCUD, Savitribai Phule Pune University during the period 2014-16
- ii) Worked as Member, Organizing Committee for Workshops on "How to prepare for NAAC Peer Team Visit" organized by MCASC, Pune on 16th Sept., 2016 and 19th Nov. 2016
- iii) Worked as Member, Organizing Committee of the National Conference for Women CA Members organized by Pune Branch of WIRC of the Institute of Chartered Accountants of India on 27th and 28th Aug., 2016 and contributed a Research Paper on the topic 'Optimizing PQ, IQ, EQ and SQ'.

4) Prof. Shraddha R. Hirwe

- i) Worked as Member, Organizing Committee of National Seminar on 'Tree Plantation on

Wastelands for Sustainable Livelihood' organized by Modern College Pune – 05 on 16th January, 2017.

ii) Participated in the Workshops on “How to prepare for NAAC Peer Team Visit” organized by MCASC, Pune on 16th Sept., 2016 and 19th Nov. 2016

5) Prof. Rahul D. Jadhav

Sr. No.	Description	Organizing Body	Date
1	Orientation Programme	UGC-HRDC Sant Gadge Baba Amravati University, Amravati	7/11/2016 to 3/12/2016
2	Participation in Cooperative Learning Workshop	Modern College, Pune - 05	2016-2017
3	Attended National Seminar on ‘Tree Plantation on Wastelands for Sustainable Livelihood’	Modern College, Pune - 05	16 th January, 2017

6) Prof. Amol N. Nikale

Sr. No.	Description	Organizing Body	Date
1	Participating in Cooperative Learning Workshop	Modern College Pune - 05	2016-2017
2	Attended National Seminar on ‘Tree Plantation on Wastelands for Sustainable Livelihood’	Modern College Pune - 05	16 th January, 2017

7) Prof. Govind C. Kamble

Sr. No.	Description	Organizing Body	Date
1	Participating in Cooperative Learning Workshop	Modern College Pune - 05	2016-2017
2	Attended National Seminar in Economics	Modern College Pune - 05	
3	Attended National Seminar on ‘Tree Plantation on Wastelands for Sustainable Livelihood’	Modern College Pune - 05	16 th January, 2017

8) Prof. Prajakta N. Sabane

i) Qualified in SET examination conducted by UGC in May 2016.

ii) Attended National Seminar on ‘Tree Plantation on Wastelands for Sustainable Livelihood’ organized by Modern College Pune – 05 on 16th January, 2017

9) Prof. A.V. Desai

i) Participated in Cooperative Learning Workshop organized by Modern College, Pune-5

ii) Participated in the Workshops on “How to prepare for NAAC Peer Team Visit” organized by MCASC, Pune on 16th Sept., 2016 and 19th Nov. 2016

iii) Coordinated as guide for WEB-GUIDE on C.S.R., a short Research project undertaken by S.Y.Bcom. students, under Corporate Law .

10) Prof. Shweta Khond (Teacher in Commerce at Junior Wing) i) Qualified in SET examination conducted by UGC in May 2016.

Dr. Y.R. Waghmare, Vice Principal and Head,
Department of Commerce

Wing of Computer and Business Studies (WCBS)

Department of Commerce

(Non- Grant)

Academic year 2016-17, began with a host of activities which are listed as follows:

- Orientation Programme was organised for First Year BBA, BBA (CA) students and addressed by prominent Speakers CP Mrs. Rashmi Shukla (IPS) and Mr. Krishna Kumar Goel (Director Cosmos Bank, Pune) on 4th August 2016.
- Debate competition was held on the topic “Virtual Classroom – Boon or Bane” on 9th Aug, 2016.
- Member of the parliament honourable Mrs. Supriya Sule was invited on 16th Aug to address the students.
- Entrepreneurship Day was celebrated by BBA/BBA (CA) students on 19th Aug 2016.
- Guest Lecture on topic “Solving Aptitude Test” was held on 26th Aug 2016 by Prof. Anupama Gupta from IBS, Pune.
- An Exhibition on Banking Named Banking Exposition was organised by the department on 1st Sept 2016. Mr. Dhananjay Kulkarni AGM of TJSB Bank and Mr. Joshi Branch Manager of BOM were the Chief Guests.
- A workshop was organised on the topic “Choosing Healthy Habits” by the members of ISKON on 12th Sept 2016.
- Hindi Day was celebrated on 12th Sept 2016 - Speech and Poetry Reading competition was organised.
- Faculty Development programme was organised on “E- Content Development” on 19th Oct 2016. Dr Prof. Balakrishna Damle EMRC SPPU was the Speaker.
- Guest lecture on topic “Global Warming” was held on 2nd Dec 2016 by Dr Sachin Gunthe Associate Prof. of IIT Madras.

- Guest lecture on Mathematics was held by Dr Ananth Naryan Hariharan on 7th Dec 2016.
- An Exhibition on EVS was organised by the department on 9th Dec 2016. Mr. Shirish Kamik was the Chief Guest.
- A Commerce Fair named COMM FAIR was organised by the department on 13th Dec 2016. Mr. Ram Kutwal was the Chief Guest.
- A guest lecture was organised on the topic “E-Banking a Journey towards Demonitisation” was organised on 28th Dec 2016, the speaker was Prof. Snehashish Battacharjee- DY Patil University.
- Social activity was organised by the students on 31st Dec, 2016 by distributing basic requirements to the poor people on the streets.
- Lecture on Self Defence for girls was organised on 5th Jan 2017 by API Seema Gaikwad of Pune.
- Guest lecture on GST was held on 11th Jan 2017. Mr. Sanjay Landge Managing Director of DCEW was the speaker.
- Youth day was celebrated on 18th Jan 2017. Mr. Sanjay Bharadwaj chair person of Hindi Aandolan was the speaker.
- Workshop was organised on “Art of Living” for students by Mr. Anup Das & Dr. Sulekha Das on 19th Jan 2017.
- Modern Presentation week was organized from 20th Jan – 21st Jan 2017. Dr. Padmakar Punde was the Chief Guest.
- On account of republic day celebration “Yaad Karo Kurban” event was organised on 24th January 2017, where Veer Mothers of the Martyr Kunal Gosavi was invited and felicitated in order to sensitize the students towards the country’s martyrdom.
- Parents – Teachers Meeting was organised on 28th Jan 2017.
- Guest lecture on “Career Opportunities in Cost Accounting” was organised on 6th Feb 2017. Mr. Anant Dhavale Director of ICMAI Pune, was the Chief speaker.
- Aptitude & personality development training conducted by GTT as a part of Barclay’s CSR initiative from 26th Sept’16 – 6th Oct’16.
- International Youth Day celebrated on 12th Aug 2016 in which two competitions were organized for youth of our department.
 1. Speech Competition
 2. Powerpoint presentation Competition.
- **State Level Seminar organized on HR MEET-C2C** on 30th & 31st Jan 2017 under QIP in association with SPPU.

- Workshop conducted on “Financial Education by SEBI” for all BBA students by Mr. Pradeep Thite on 14th Feb 2017.
- Students had organized “Social Week” during 2nd Feb to 4th Feb 2017. Main motive behind “Social week” was to imbibe sense of social responsibility in students.
- “Aarohan-Exploring limitless talent”(Annual College Fest) was organised from 9th to 11th Feb 2017, to encourage engagement and participation of youth in various creative activities.

Prof. Milind D. Waghmare, Vice-Principal, WCBS

Department of Fashion Technology

A fashion show was organized to showcase the work of students of the first batch of graduating students of Diploma in Dress Designing & Tailoring on 1st September 2016. Collections were designed, stitched and worn by the students. Various techniques learned throughout the course were applied on the garments to create mesmerizing collections. As part of the show students created five collections of Dupattas, Sarees, Ghagras, Kurtis and Prints. Students walked round the ramp to the rhythm of foot tapping music. The grand event was witnessed by students, parents, staff of our institute, reporters and Industrial partners with packed auditorium. The graduating students were awarded their Diploma certificates on the occasion.

The students appeared for the assessment examination for completion of the Diploma course conducted by the NSDC on 20th June 2016. Hundred percent of students passed the assessment with 60% securing outstanding grade while 40% securing ‘A+’ grade

National Level Seminar on Trends in Fashion Industry: 4th March 2017

Conducted a National level seminar on ‘Trends in Fashion Industry’ to keep the students aware of the latest activities in the field. Industry Experts were invited to share their views, experiences and expertise for this seminar. Fashion Designer, Ms. Karishma Khan and Dr. Nachiket Thakur spoke about the Fashion Eco System, Ms. Swati Khurana, proprietor Cotton Village spoke about Garment Mass Production, Mr. Abhay Kardeguddi talked about creation of own Enterprise, Mrs. Kalyani Umrani elaborated on Importance of Grooming.

Our students won the first prize for the Best Collection at the inter college fashion show competition conducted by MKSS’s School of Fashion Technology in February 2017.

- **Purple Kids Wear-** Students saw fully automatic manufacturing process of kids wear. The Line started with Fabric store room, Designing

Department, Patternmaking using CAD, Cutting Line, Stitching Stations, Quality Check, Finishing and Packaging.

- **Peppermint**- A well known kids wear brand. Students observed their very efficient stitching lines that did production for 6 various patterns at a time.
- **Cotton King** –Famous Brand of Mens Wear - Manufacturing of men's wear shirts, T-Shirts, and trousers was observed.

Vyapar Mela: 21 - 22 March 2017

- Students learned about the various business techniques.
- Customer handling, Product costing, Product marketing
- How to display product to attract maximum customers

Faculty Training Program: 28-31st March 2017

The teaching faculty of Department of Fashion Technology participated in the Faculty training program with a visit to the National Institute of Design Paldi, Ahmedabad and Gandhinagar. The faculties were fortunate to see and experience their workshop facilities, learning environment, interacted with students and faculty at both the facilities of NID. They also participated in a one day hands on workshop on Block Printing, Ajrak, Bandhani in Bhuj.

Printing Workshop: 25 April 2017

Block Printing – Traditional method of Block printing was taught using fabric Dyes Stencil Printing-Work shop for Design Cutting Techniques for stencil Printing was conducted Screen Printing – Screen printing workshop was arranged with industry Partner.

Traditional Indian Costumes, group project by students

A research study project on Traditional Indian Costumes region wise was completed by the students. The research outcome was presented in the form of a powerpoint presentation and stage display.

Prof. Manasi Thakur, Head

Junior College

Vice Principal – Prof. Bina U. Muttalgi

Supervisor – Prof. Ravindra N. Ingole

Total number of standard XI students (all faculties) 1194, standard XII students 1099.

List of meritorious students of standard XII –

Science Faculty:

- | | |
|--------------------------------|--------|
| 1. Mehta Shreya Rajendra: | 92.61% |
| 2. Karmakar Shreya Tapas: | 90.42% |
| 3. Sathe Ashutosh Bhalchandra: | 90.46% |
| 4. Nanajkar Mugdha Mukund: | 89.53% |
| 5. Chaudhari Shubham Jitendra: | 89.07% |

Arts Faculty:

- | | |
|----------------------------------|--------|
| 1. Bharde Sharmishtha Ashish: | 86.77% |
| 2. Kapse Sanika Satyen: | 85.54% |
| 3. Jhington Vithika Amit: | 85.08% |
| 4. Harshe Aditi Arvind: | 85.08 |
| 5. Ghatge Akanksha Vaibhavkumar: | 84.31% |

Commerce Faculty:

- | | |
|----------------------------|--------|
| 1. Bhargav Shravni Sanju: | 86.62% |
| 2. Nimbalkar Deepti Ashok: | 85.08% |
| 3. Pawar Sai Santosh: | 84.62% |
| 4. Ranade Apurva Anand: | 84.31% |
| 5. Samak Priya Vyankatesh: | 84.31% |
| 6. Unhale Vaibhavi Ram: | 84.31% |

Activities:

- The students of Junior College participated in various sports, cultural and competitive events conducted for them.
- Non-grant divisions for Science and Commerce are running smoothly under the guidance of Prof. Y. S. Thipse as their coordinator.
- Guidance lectures were conducted by Dy. Director of Education, Pune division at Rajiv Gandhi E-Learning Centre. Experts gave valuable speeches regarding functioning of colleges.
- Prof. Bhakti Walvekar and Prof. Sanjeevini Kuvalekar organized a programme to promote Sanskrit language and the chief guest of honour was Dr. Jyotsna Khare chief of Sanskrit Board of Studies. She gave her expert guidelines to students of Sanskrit.
- Maharashtra State Secondary and Higher Secondary Board, Pune had organized one day workshop at BMCC Pune for moderators.
- Mrs. Meenakshi Raut Assistant Dy. Director of Education, Pune division gave guidance to teachers of Physical Education about arranging sports week and discussed with the teachers.
- International Institute of Hotel Management, Pune had organized 'Teacher Chef Competition'. Many teachers participated in it. Prof. Manisha Mandhare and Dr. Sunita Gosavi were selected for the second round. The institute awarded an 'Ideal Teacher Award' to Prof. Muttalgi B. U.
- Vice-Principal – Prof. Vilas Alhat was awarded by MLVA trust Mumbai Global Teacher's Conference 2016 "Global Teacher Role Model – 2016".
- Mrs. S. V. Kuvalekar and her colleagues of the department had organized 'German Day' where many students from other colleges too participated and there was good interaction between students.
- Medical check-up of all student was done and were given medicines with proper medication.
- Students were encouraged to read on the day of Dr. A.P.J. Abdul Kalam's Birth Anniversary as a mark of

tribute and respect. Some editorial columns were also read by them.

- Students took part in a Marathi programme "Written to meet us" where Prof. Avinash Halve guided them. Dr. Prof. Vaishali Aher had arranged and Prof. Vandana Joshi, Prof. V. C. Pawar and Prf. Khude participated in it.
- N.S.S. camp of Junior College was organized from 19.12.2016 to 25.12.2016 at Shri. Satya Sai Seva Kendra, Phulgaon.
- Prof. P. M. Sambare was awarded an 'Ideal Teacher Award' by Dr. Maulana Abdul Kalam Azad Social Foundation. He also worked as an expert guide on 5th of August for training programme officers in a one day workshop.
- Prof. V. C. Wagh has completed his 12 years in service training. He has qualified C.B.S.E. NET-Jan 2016 and C.B.S.E. NET-July 2016 in Political Science and also SET in June 2016 (Objective Nature).
- Prof. Devdhe V. K. and Prof. Dr. Vaishali Aher attended The Orientation Course for N.S.S. programme officer's at Ahmednagar College organized by Ministry of Youth Affairs and Sports, New Delhi.
- Prof. Deepak Kute was selected by Savitribai Phule Pune University, Pune as a coach to train Softball trainees. He also attended a programme about Physical Education organized by Mahatma Gandhi University at Kottayam, Kerala.
- Guidance lectures were conducted for XII Commerce students for better performance in their board exam.
- Prof. Shubhangi K. Barve donated Rs. 20,000 to the Endowment Fund of the P. E. Society, Pune – 5.

Annual Gathering was conducted on 23rd January 2017.

Competitive Exam Report 2016-17 Science Olympiad Foundation

Total registrations for

Date	Examination	Staff In-Charge	Co-ordinator
04-10-16	ICSO	XI-10 XII-21	Mrs Savita Devikar Manisha Mandhare
24-11-16	NSO	XI-10 XII-08	Mrs Ashwini Deshkar
12-12-16	IMO	XI-17 XII-07	Mrs Nanda Dindore
31-01-17	IEO	XI-29 XII-07	Mrs Ann Joy

RESULT

1st International Company Secretary Olympiad

- XI 1) Gold medal - Hrishikesh S. Jadhav.
2) Silver medal - Prerna R. Kulal.
3) Bronze medal - Omkar K. Patkar.
- XII 1) Gold medal - Jatin T. Kewalraman.
2) Silver medal - Madhuri R. Nagarkatt.
3) Bronze medal - Snehal R. Choudhari.

9th National Science Olympiad

- XI 1) Gold medal of Excellence - Sharad Gaikwad
2) Gold medal - Prajwal Thorat

- 3) Silver medal - Shalaka Jachak
4) Bronze medal - Radheshyam Joshi

- XII 1) Gold medal - Aditya Ukale

10th International Mathematics Olympiad

- XI 1) Gold medal - Sharad Gaikwad
2) Silver medal - Gaurav Yadav
3) Bronze medal - Jay Sawant

- XII 1) Gold medal - Vaibhav Mahajan

7th International English Olympiad

- XI 1) Gold medal - Samarth Shinde
2) Silver medal - Khan Sakib
3) Bronze medal - Ashwini Deodhar

- XII 1) Gold medal - Nidhi Mahadkar

IAPT -Indian Association Of Physics Teachers- Bangalore

National standard Examinations in Physics, Chemistry, Biology & Astronomy was held on **27th November 2016**

Total registrations for NSEP-15, NSEC-15, NSEB-15 & NSEA-5

The invigilation work was done by

Mr. Bhardi from Physics,

Ms. Prajakta Chaugule & Mrs. Prajakta Kulkarni from Chemistry department.

Certificates to the top 10% in the centre were awarded to

Physics -Niraj Sonje, Roopesh Parsewar

Chemistry-Aditya Ukale, Niraj Sonje

Biology-Akshay Wayase, Bhavesh Suryavanshi

Co-ordinator - Manisha Mandhare

Department of Botany

Prof. Bina U. Muttalgi,

Vice Principal – Junior College

Library

This year library added **962** books during 1st April 2016 to 31st March 2017. Now there are **1,00,509** books in the library.

3415 books were added under following sections:

1. Jr. Wing - 15
2. Sr. Wing - 430
3. Non-Grant - 290
4. Donation - 227

We are grateful for the donation of books received from:

Sr. No.	Name
1.	Dr. G. R. Ekbote
2.	Dr. Mukund Mahajan
3.	Prof. Gitaram Gaikwad
4.	Prof. Narendra Naidu
5.	Mrs. Kuvalekar Sanjeevani
6.	Mr. Sourabh Patwardhan
7.	Bharatiya Bhasha Sansthan, Mhaisur

Total 43 books were purchased in the research schemes of following staff members:

Sr. No.	Name	Department	Scheme	No. of books
1	Dr. Zunjarrao R. S.	Botany	BCUD	7
2	Dr. Satam M. M.	Economics	BCUD	10
3	Dr. Deshmukh S. S.	Economics	BCUD	13
4	Dr. Oke A. S.	Psychology	ICSSR	9
5	Prof. Date Rasika	Commerce	BCUD	4

We have 117 print journal & magazines in the library.

There are 3 databases and N-LIST database has included **30,00,000 e-books** in their database. We have created Login ID for **NDL (National Digital Library)**

We are also institutional member of following libraries:

1. Jaykar Library, SPPU, Pune
2. Library of Gokhale Insititue of Economics, Pune
3. Library of Deccan College, Pune

34 Conference papers, **3** research articles, **6** theses, **4** dissertations of research scholars in the college and from outside are evaluated through "Turnitin" software which is an anti-plagiarism software prescribed by Savitribai Phule Pune University.

14 Students worked in the library under **Earn & Learn scheme** of Savitribai Phule Pune University.

79 students (9 Arts, 52 Commerce and 18 Science) availed the **book bank facility** from the library in the year 2015-16.

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

Internet and Digital library facility is provided for staff & students. Wi-Fi facility for students is provided in the reading hall. Reading Hall floor is extended and seating capacity of students has increased. Now there is two storied Reading Hall separate for girls and boys.

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

Visit: NAAC Peer Team visited our college for Accreditation on 19-21 December 2016. A+ grade was awarded with 3.51 marks by NAAC Pear Team.

Library Activities during 2016-17

1. Birth anniversary of Dr. Abdul Kalam (15 October 2016) was celebrated as "**Vachan Prerana Diwas.**" book exhibition was organized on this occasion:

2. **Saraswati Pooja & Book Exhibition** of newly purchased books was organized on 7th October 2016.

3. Other library activities performed during 2016-17 are as follows:

Sr. No.	Activity Title	Activity Date
1.	14 hours reading	13.04.2016
2.	Anti Terrorism Day	21.05.2016
3.	Sanvidhan Divas	26.11.2016
4.	Sale of books withdrawn from library	02.12.2016
5.	Shahid Din	23.03.2017

4. Birth Anniversary of great national leaders and thinkers declared in Government of Maharashtra list is celebrated in the library. This includes:

Sr. No.	Name of the leaders and thinkers	Date
1.	Mahatma Jyotirao Phule Jayanti	11 April 2016
2.	Dr. Babasheb Ambedkar Jayanti	14 April 2016
3.	Basveshwar Maharaj Jayanti	9 May 2016
4.	Maharana Pratap Jayanti	7 June 2016
5.	Shahu Maharaj Jayanti	26 June 2016
6.	Vasantrya Naik Jayanti	1 July 2016
7.	Lokmanaya Tilak Jayanti	23 July 2016
8.	Shahir Annabhau Sathe Jayanti	1 August 2016
9.	Maharshi Valmiki Jayanti	16 October 2016
10.	Vallbhbhai Patel Jayanti	31 October 2016
11.	Indira Gandhi Jayanti and National Integration Day	19 November 2016
12.	Jijau Masaheb Jayanti & Swami Vivekanand Jayanti	12 January 2017
13.	Netaji Shubhashchandra Bose Jayanti	23 January 2017
14.	Chhatrapati Shivaji Maharaj Jayanti	19 February 2017
15.	Yashwantrao Chavhan Jayanti	12 March 2017

Mrs. Datre M. S., Librarian

Art Circle

Inauguration Program: On Saturday, 13 August 2016, the activities of Art Circle were inaugurated by the famous actor, Mr. Hrishikesh Joshi. This program was the inauguration of Art Circle for academic year 2016-17 and Prize distribution of the academic year 2015-16. Also Modern Rotary Club was inaugurated. Authorties from Rotary club of Shivajinagar were present. Mr. Hrishikesh Joshi guided our students about career in film industry.

Kala Saptaha: A week of various competitions was organized for identifying the talent of students. The week was celebrated during 18th January 2017 to 20th January, 2017. We organized Solo acting, instrumental music, poster painting, dance, Mehendi, Rangoli, story telling and Play reading and singing competitions. Prof (Mrs) Sunita Gosavi worked as an Incharge of this activity whereas other Art circle members Prof(Mrs) Renu Bhalerao, Prof(Mrs)Archana Apte, Prof(Mrs)Vaishali Aher, Prof(Mrs)Manda Admane, Prof(Mrs)Vandana Joshi, Prof(Mrs)Rupali Aher, Prof(Mr) R. L. Dabhade, Prof(Mrs)Shweta Javale, Prof(Mr) V.B. Suryavanshi, Mrs Swati Patwardhan, Mr.Ingale Shivraj, Mr T.G. Gandhi, Mr. Vijay Gogavale, Mrs. Mangala Salunkhe were in the organizing team.

Workshop/Auditions by students: In the month of July, selection workshop for Purushottam Karandak was conducted by our Drama group students. Pankaj Nagpure, Chaitanya Deshpande, Vaibhav Tare conducted this three day workshop.

Also workshop for dance and Music for various competitions was conducted by our students, Abhishek Dhapte, Paritosh Sangale and Nitesh Aher. More than 30 students were present for this workshop.

NAAC cultural program: This year, Art circle got an opportunity to present a cultural program before the NAAC peer committee. The program was on 19th January 2017. The theme of this cultural program was "National integration and our cultural heritage" The theme was explored and presented through dance, drama, singing and lights. The program was appreciated a lot by NAAC committee. Our Girls' Dhol-Tasha Pathak performed "Dhol-Vadan", which was also appreciated. Prof (Mrs.) Renu Bhalerao and Dr.(Mrs) Sunita Goasavi took efforts in crafting this cultural program.

Dhol Tasha Pathak: Our Dhol-Tasha Pathak performed "Dhol-Vadan", which was appreciated a lot. Also, this Dhol-Tasha Pathak was involved in procession of "Shiva Palkhi" organized by some students of our college on Traditional Dress Day, 21st January, 2017.

Workshops:

1. A workshop on 'Anchoring in Marathi' was organized on 1/9/2016 Resource person was well known Anchor Mrs. Manjiri Dhamankar. The workshop was organized in collaboration with Rotary Club, Shivajinagar and Modern Rotary club.

Intercollegiate Drama Competition: Students from our college participated in various intercollegiate drama competitions and won prizes in the following competitions.

- Purushottam Karandak: One act Play "Stalemate" written and directed by Ashwami Patil (TY BA) presented in this competition.
- Bharat Karandak: One act Play "Stalemate" written and directed by Ashwami Patil (TY BA) presented in this competition.
- PNG karandak
- Savitribai Phule Pune University Karandak: One act Play "Stalemate" written and directed by Ashwami Patil (TY BA) presented in this competition.
- Firodiya Karandak 2016: Group of 28 students participated in this competition. First time in the history of our college our team entered in Final round of Firodiya karandak. Next year (2018) we are eligible in Primary round of Firodiya karandak directly. One act play "The Artist", was presented in this competition. Ms. Rama Vaidya got consolation prize for acting. Ms. Tanaya Gokhale got Second prize and Shruti Bhise and Atharva Gokhale got third prize for painting. In addition to these competition our drama group participated in following competitions: Sarpotdar Karandak, Vinodottam Karandak, Suman Karandak.

Team members of Drama group were Chinmay Tipnis, Ashwami Patil, Saurabh Zunzar, Tanya Gokhale, Prachi Atre, Pratik Dhavalikar, Rama Vaidya, Abhishek Choudhari, Abhilash Bhawar, Amruta Neem, Swachand Gandage, Parth Kulkarni, Vaibhav Tare, Mahesh Dhaygude, Ashish Dhavale, Riddhi Khandre, Dipankar Pai. They participated in different drama competitions.

Intercollegiate Dance Competition:

- COEP PUNE (IMPRESSION) : Second prize for group
- Ignisense (Symbiosis) : First prize for group
- Infinity (Wadia college) : First
- Mood Indigo (IIT Mumbai) :Final round
- Firodiya Karandak :Second prize for song "Be Rahem" :First prize for Best Choreographer, to Shraddha Roygupta

Team members of Dance were, Omkar Dhomase (FYB.Sc. (CS)), Rohan Patole (FYBA), Atul Salve (MA), Kunal Shinde (SYBA), Shraddha Roy Gupta (XIth Comm)

Intercollegiate Music Competition:

- Malhar, Xaviers Mumbai: Third prize for our Music Band.
- Vedant (BJ medical) : First prize for our Band named as "Tashkars"
- Infinity wadia college Sympulse (Symbiosis): First prize for our Band.
- Firodiya Karandak: Paritosh Sangale (SYBCOM) second prize for singing.

- e. Dnyaneshwari Katkar (FYBA), second prize for singing.

Nithesh Aher, Shashi Ajaonkar (XI arts), Uma Bokil (XI arts), Pratik Patwardhan (FYBCOM), Rahul Kulkarni (XI comm.) were other team members of competition.

New Activity in this year:

This year Art circle started "Tabla Classes", for our students and staff. Mr. Girish Mahamuni is contributing as a teacher for this class. Dr. R. S. Zunjarrao, Prof. Ashok Kamble, Prof. Daf, Prasad Vanage, Bhagyashree Sakunde, Vikas Mishra, Surendra Sambhaji Ghode are the students of this class.

We thank our Principal Dr. R. S. Zunjarrao and all Vice Principals for their constant support and encouragement. Also we are thankful to Mr. Vilas Lad, Mr. Shendkar, Mr. Prakash Sable, Mrs. Swati Patwardhan, from account section and Mr. Shavalkar, Mr. Dhananjay Shendkar, Amol Ghane, Mrs. Tanvi G Kadam and all non teaching staff of college and members of Art circle for their active support.

Prof. Ashok V. Kamble (Electronics), Chairperson

Best Student Trophy Committee

(Academic Year 2016-17)

Chairperson - Prof. (Mrs.) Bina Muttalgiri

Members -

- 1) Dr. (Mrs.) Sunita N. Gosavi
 - 2) Prof. Manisha Mandhare
 - 3) Prof. (Mrs.) S. R. Hirve
 - 4) Prof. (Mrs.) Pooja M. Paratane
 - 5) Prof. (Mrs.) Arati Goggi
 - 6) Prof. (Mrs.) Shilpa Dange
 - 7) Prof. (Mrs.) S. S. Gangurde
 - 8) Prof. N. M. Paradeshi
 - 9) Prof. (Mrs.) Reema Nair
- The Best Student Trophy is awarded 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 "**Damodar Shield**" and "**Veer Savarkar Cash Prize**".
 - The best student from **Post-Graduate Wing** receives "**Best Student P.G Trophy**".
 - The committee invited applications from students and after scrutinizing the application forms the students were shortlisted. The shortlisted students were called for the personal interview. One student from each wing was declared as '**The Best Student of The Year**'.

- This year 115 applications were received. Among them 16 were shortlisted for personal interview and Group discussion.

- The interview was held on **3rd January 2017**. The Panel of Judges was formed.

The shortlisted students were judged on the basis of **confidence, personality and communication skills**. They were also judged based on a **group-discussion on the given topic**.

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

1. Kadam Rajat Rajendra XI (AE)
2. Shaikh Saba Anwar XI H
3. Kewalramani Jatin T. XII G
4. Varade Tejal Deepak XI E
5. Daf Samiksha Sanjay XI G

The topic for group discussion was - 'Whatsapp - Yes or No?

- Following students were shortlisted in the **Senior Wing**:

1. Patil Paras Sunil F.Y. B.Sc (Comp.Sc)
2. Singh Simranjit F.Y. B.A (A E)
3. Vedpathak Surabhi G. F.Y. B.Sc (Comp.Sc)
4. Sahu Rushav J. T.Y.B.A.(B)
5. Pujari Suprabha R. S.Y.B.A.(B)

The topic for group discussion was - '**Indian women players shine at Olympics**'.

- Following students were shortlisted in the **Post-Graduate Wing**:

1. Bamb Pratik K M.Sc I (Comp. Sci.)
2. Kumar Suraj M.Sc II (Physics)
3. Navale Sujeet C. M.C.A II
4. Kulkarni Mandar M.Sc I (Physics)
5. Gadge Shraddha V. M.Sc II (Physics)
6. Telang Sampada B. M.Sc I (Comp. Sci.)

The topic for group discussion was - **Digital India- A Dream?**

- **The Panels of Judges were as follows:**

Jr. Wing:

Guest of Honour: Prof. B. U. Muttalgiri (Vice Principal)

Prof. R.N. Ingole (Supervisor)

1. Prof. Manisha Mandhare
2. Prof. Sanjeevani Kuvalekar
3. Prof. S.S. Gangurde
4. Prof. Sachin Bhondve
5. Prof. Sunita Nighot

Sr. Wing:

Guest of Honour: Dr. N. J. Kulkarni (Vice Principal)

Dr. Y.R. Waghmare (Vice Principal)

1. Dr. A.V. Kamble
2. Prof. N.M.Naidu
3. Prof. Vikram Phale

4. Prof. Dr. N.H. Mahajan

5. Dr. R. B. Barmukh

P.G. Wing :

Guest of Honour: Dr. R. S. Zunjarrao (Principal)

Prof.S.S. Deshmukh (Vice Principal)

1) Prof. S.R. Chaudhari (Vice Principal)

2) Prof. M.S.Suryanshi

3) Prof. Dr. S.S. Mujumdar.

4) Prof. A. A. Kamble

5) Dr. Shubhangi Puranik

• **The Best Student of This Academic Year 2016- 17:**

Junior wing:

Kewalramani Jatin T. XII G

Senior Wing (UG):

Sahu Rushav J. T. Y. B.A. (B)

Post Graduate Wing:

Navale Sujeet C. M. C. A Part II

The Committee is extremely thankful to **Principal Dr. Rajendra Zunjarrao, Panel of Judges, Staff members and Students for their whole hearted support.** The committee also acknowledges the cooperation of the teachers, non-teaching staff of the Gymkhana Department.

Prof. (Mrs.) Bina Muttalgi, Chairperson

Commerce Association

On 23rd August 2016, the Inaugural ceremony of Commerce Association was conducted in the Assembly Hall. The Chief Guest of the ceremony Dr. A.P Kulkarni guided the students on Entrepreneurship Development and had a very friendly interaction with them. The lecture was followed by a question-answer session.

Principal Dr. R. S. Zunjarrao quoted the concept of 'MISSION 100%'. He insisted upon 100% attendance by the students, 100% lectures to be conducted by the teachers and 100% result of the college.

During the academic year the Commerce Association conducted the following activities:

Letter-Head Design Competition:-

1st Prize: Ashita Tipnis F.Y.B.Com

Apurva Paranjape F.Y.B.Com

Sanika Kulkarni F.Y.B.Com

2nd Prize: Anay Joshi S.Y.B.Com

Rajan Mirajgave S.Y.B.Com

3rd Prize: Raksha Mani S.Y.B.Com

Harshani Talathi S.Y.B.Com

Mohini Gandhi S.Y.B.Com

Shivani Patil S.Y.B.Com

Competition In-charge - Dr. R. W. Kulkarni

Print- Media Competition :

1st Prize: Siddhika Pawar S.Y.B.Com

Shivani Patil S.Y.B.Com

Raksha Mani S.Y.B.Com

2nd Prize: Megha Kalbhor S.Y.B.Com

Shubhangi Jadhav S.Y.B.Com

3rd Prize: Pratibha Turde S.Y.B.Com

Competition In-charge -Prof. Amol Nikale.

Following were the judges of the competition.

Dr. Ashok Kamble, Dr. Vijay Gaikwad and Prof. S. R. Hirwe.

Mock-Interview:

1st Prize: Attar Sayarabhanu Khajebhai S.Y.B.Com

2nd Prize: Shivani Patil S.Y.B.Com

3rd Prize: Joshi Anay S.Y.B.Com

Competition In-charge - Dr. R.W.Kulkarni and Prof. S.R.Hirwe

Creative Ad-Making Competition:

1st Prize: Namit Naidu and Group S.Y.B.Com

2nd Prize: Nikita Shinde and Group F.Y.B.Com

3rd Prize: Monika Gawai and Group T.Y.B.Com

Consolation Prize: Anay Joshi and Group. S.Y.B.Com

For this innovative competition the following professors judged the competition: Dr. Ashok Kamble (Commerce), Prof. Anjali Sardesai (Computer Science) and Prof. Pallavi Math (English).

Competition In-charge - Prof. S. A. Vartak and Prof. S. R. Hirwe

Vice-Principal Dr. Y. R. Waghmare encouraged our students by supporting us in all the events. All the members of the committee gave valuable suggestions and always rendered their support in all the activities of Commerce Association.

Dr. Vijay Gaikwad, Chairman

Film Club

This year also the Film Club has supplemented the science syllabi with the appropriate documentaries and films. Some of the films shown were as follows:

1. Private Life of Plants - This documentary describes the growth of plants from a small seedling to huge rainforest trees. Three episodes of this documentary, Growth, Migration and Living Together were screened for M.Sc. Botany students.
2. Mathematics in Biology: A documentary screened for the M.Sc. Mathematics students. It describes mathematical principles underlying the morphological structures in various life forms.
3. Earth from Space: A BBC documentary describing the changes the earth's atmosphere undergoes at different times of the year. This film also illustrates how events at one place on the earth influence the events at the other places. It also shows how the entire earth behaves like one big organism.
4. 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.

5. How Plants Think and Communicate A documentary on how plants perceive the environmental changes and how they are communicated to the neighboring plant communities.
6. 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.
7. Journey to the Edge of the Universe: a BBC documentary describing the expanse of the universe and the celestial objects one observes while travelling away from the earth.

Apart from this, a documentary on Greenhouse Technology was screened for the students of F.Y.B.Sc. Div B. Many short-films based on the subject Industrial Botany were screened for these students.

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

As a Chairman of the Film Club, I am grateful to all the members of the committee for their valuable suggestions, help and support.

Dr. R. B. Barmukh, Chairman

NCC

ARMY WING

NCC Army Unit of Modern College under took various activities during 2016-17. Under the leadership of Capt. B. B. Yenage and senior under officer, SUO Akash Pillai

- 1) JUO Gajanan Deshmukh and PL Bhavana Didmuthe attended National Integration Camp at Kerala and achieved Gold medal in NIAP.
- 2) SUO Akash Pillai and SGT Shubham Kurugase attended North East Region Trek camp at Asam (Shilong)
- 3) SUO Akash Pillai was All India Senior Cdt at NER camp.
- 4) Five other cadets attended Army Attachment camp under Rajputana Rifles.

NAVY WING:

- A) 3 mah Naval Unit NCC, DIV VII in our college participated in enormous number of camps and social activities.
1. Following cadets participated in CATC held in Group HQ, Pune during 5th July to 14th July 2016. Cdt Captain Swangi Prakash, Cdt B Shyamala, Cdt Gaouri Wahmare, Cdt Prajakta Dumbare, Cdt Janhvi

Dave, Cdt Ajay Raut, Cdt Deepak Memane, Cdt Rupesh Kusalkar, PO cdt Aditya Pawar, cdt Swapnil Shelke, Cdt Shubham Patil, PO cdt Chetan Deshmuk, Cdt Prasad Dubley, Cdt Angeer Hrishikesh, Cdt Atish Kamble, Cdt Shubham Dhumal, Cdt Nagnath Pawashe, L cdt Hargude, PO cdt Vaibhav Kudale

2. Ship attachment cum CATC organized by Mumbai unit on 1st June To 10th June 2016 and Cdt Swapnil Shelke, PO cdt Chetan Deshmuk, PO cdt Vaibhav Kudale participated in this camp.
3. Pre IGC (NSC) was conducted by Group HQ Pune in 19th Jun to 29th June 2016 and PO Cdt Chetan Deshmuk participated in this camp.
4. Cdt Prajkta Dumbare participated in IGC (RDC) in Aurangabad during 4th November 2016 to 13th November 2016.
5. Cdt Janhavi Dave attended AIATC in Ezhiala, Kerala during 14th Jan to 25th Jan 2017 and won Gold medal in Boat pulling and Drill competition. Also silver medal in Cultural program.
6. Cdt.Capt. Swangi Prakash attended AIYR held in 5th November to 15th November 2016 at INS Chilka, Orissa and won Bronze medal.

B) NCC ARMY and NAVY CADETS Participated in following social Activities in the Year 2016-17.

- International Yoga day,
- Anti Drug trafficking day
- Tree plantation
- Sinhagad Trek
- Blood Donation camp
- Every Sunday parade , Swatch Bharat Abhiyan
- Cashless Awareness drive

This year NCC Cadets took great efforts in the Social as well as NCC Activities. We are very much thankful to our Principal Dr R.S. Zunjarrao and Vice Principal Prof S.R. Chaudhari for their constant support and valuable guidance to NCC activities.

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

Lt. A. V Kamble
NCC Officer, Naval

National Service Scheme (Senior)

(NOT ME BUT YOU)

Regular Activity

The NSS unit senior wing has a sanctioned Unit of 300 students volunteer (aided) with an additional unit of 50 volunteers (self finance unit). Students from all the streams i.e. Arts, Commerce, Science, Computer Science, biotechnology voluntarily participated in this scheme.

The Regular activities consisted of the following:

01/07/2016-Tree Plantation: A group of 27 students and NSS PO Prof. P. S. Varade and Prof. N. K. Bhandare participated in this activity. 113 different tree saplings

were planted at Ganeshmatha temple hill at Warje Malwadi.

16/07/2016- Paddy Plantation: 800 students of our college including NSS and NCC participated in this activity. NSS PO., NCC officers and other teachers of our college also participated with students in this activity. Around 20 acres of land was covered by our students. The organizers were very happy with students' contribution.

23/07/2016-Awareness of Customer Rights: A group of 15 students and programme officer Prof. Nisha Bhandare attended the programme. The same concepts were also explained to the other students of our college.

01/08/2016- Celebration of Lokmanya Balgangadhar Tilak Death Anniversary and Annabhau Sathe Birth Anniversary: On this occasion few volunteers expressed their thoughts about the great work done by freedom fighter Lokmanya Balgangadhar Tilak. As a memory few students also told some real stories about their life. Two students also read the some songs and poem written by Lokshahir Annabhau Sathe. Vice Principal Dr. Nayana Kulkari, NSS volunteers and Programme officer Nisha Bahdare were present for the programme.

06/08/2016- Workshop on Road Safety: Mr. Harshad Abhyankar of 'Save Pune Traffic Movement' explained the problems about Pune city traffic and the possible solutions to solve the traffic problems. He also emphasized on the role of college youth in solving traffic problems. 90 NSS volunteers and 5 teachers were present for this programme.

09/08/2016- Participation in Group Song Competition: Twenty NSS volunteers participated in this competition. This competition was organized by 'Maharashtra Labor Welfare Trust'. Miss Neha Bhavale and Mr. Ankush Arekar showed a better performance in this competition.

14/08/2016- Participation in Tiranga Rally: On the occasion of 'Independence Day' a Tiranga rally on the theme -'Jara Yaad Karo Kurban' were organized by Nehru Yuva Kendra in association with NSS unit of Savitribai Phule Pune University. Few patriotic songs were played and sang by volunteers. NSS Programme coordinator Prof. Sanjaykumar Dalvi, Prof. Shivaji Pacharne, Prof. Prabhakar Varade, Prof. Nisha Bhandare and 500 NSS volunteers were present for this rally.

15/08/2016- Independence Day Celebration: After flag hoisting, Dr. Sudhir Ujalambkar delivered a lecture on 'Freedom fighter Khudiram Bose'. He explained the complete life pattern of this great Indian boy and his fight against British rulers.

23/08/2016- Group singing of National Anthem: As per the resolution of Government of India, National anthem was sung in common gathering by all NSS volunteers as well as all other students of our college at 11:00 am on this day. NSS Programme officer P. S. Varade and NCC officer Prof. A. V. Kamble organized this activity.

30/08/2016-Participation in Organ Donation Awareness Rally: Pune Municipal Corporation and B. J. Medical college organized this rally. 130 students and NSS P. O. Prof. P. S. Varade of our college participated in this rally. The importance and need of organ donation was emphasized in this rally. Some real stories of organ donation were told to the gathering.

13/09/2016-Pre NRD-SRD Selection Camp: Savitribai Phule Pune University granted a one day district level selection camp to our college for the academic year 2016-17. 240 students from 30 different colleges participated in this camp.

24/09/2016- NSS Day Celebration: On this occasion the past NSS Programmer officer Prof. P. G. Dixit, Prof. Sudhir Ujalambkar and Prof. N. M. Naidu guided the volunteers about NSS objectives and also shared their experiences about this activity programmes. They also emphasized on students role in effective implementation of this activity.

06/10/2016- Road Safety Awareness Campaign: Pune Traffic Police in association with NSS SPPU organized this campaign on different roads of Pune city to create awareness among the citizens of Pune. 130 volunteers of our college actively participated in this campaign.

28/09/2016- Blood Donation Camp: NSS Modern college in association with Dinanath Mangeshkar Hospital Blood Bank organized this camp. 166 bottles of blood were collected in this camp. More than 300 students and staff members participated in this camp. HB checking of girl students was also done in this camp.

02/10/2016- Cleaning Drive (Swachha Bharat Abhiyaan): On this day Our NSS volunteers cleaned the college campus and class rooms to support the **Swachha Bharat Abhiyaan**. After the cleaning drive we celebrated the Birth Anniversary of Mahatma Gandhi. Students and staff expressed their thoughts about the 'father of nation' and the importance of cleaning drive.

15/10/2016-Celebrationo Dr. APJ Kalam Birth Anniversary: On this day department of Marathi and NSS jointly celebrated this day as "Promotion of Reading". Dr. Sudhir Ujalambkar delivered a lecture on the 'life journey' of Dr. APJ Kalam. He demonstrated a small story on Dr. APJ Kalam's life,

09/12/2016- Blood Donation: On the request of ABVP and HDFC Bank, we conducted a blood donation camp in assembly hall of our college. Dr. Dhumal and his team of KEM Hospital blood bank helped in this camp, 57 bottles of blood was collected in this camp.

13/12/2016- Participation in SWACHHA SURVESHAN meeting and Online discussion on Promotion of Voting: Both the activities were organized by Savitribai Phule Pune University at department of Business Management. NSS P.O. Prof. P. S. Varade actively participated in this meeting.

03/01/2017- Street Play on Women's Safety: On the occasion of Maharashtra Police Week, our NSS volunteers performed street play on above subject in different parts of the Pune city. 15 students participated in this street play and other students supported the activity.

04/01/2017 - Essay and Elocution Competition: On the occasion of Maharashtra Police Week, our NSS volunteers organized the above competitions and actively participated in the competition. The winners of these competitions were felicitated by the hands of senior Police officers in the presence of Hon'ble Principal Dr. R. S. Zunjarrao.

05/01/2017- Organization of Peace Rally: On the occasion of Maharashtra Police Week, our NSS volunteers organized a peace rally from Abasaheb Garware College to Shaniwarwada.

10/01/2017- Participation in Road Safety Awareness Programme: Progressive Education Society in collaboration with Pune Traffic Police organized the awareness programme titled 'Smart City Silent City- Pune City'. Marathi Cinema actors- Mr. Pushkar Shrotri and Sankarshan Karhade lead the programme. Traffic Police officer Shri. Sanjay Khairnar and other staff were present for this programme. Our Principal Dr. R. S. Zunjarrao and all vice principals were present for the programme.

15/01/2017- Participation in One Day Value Education Camp: 30 NSS volunteers and programme officer P. S. Varade and Prof. Mrs. Nisha Bhandare actively participated in this camp. Campus cleaning and colour shades on trees were done in this camp. The inauguration of this camp was done at the hands of Hon'ble Vice Chancellor Dr. Vasudeo Gade.

26/01/2017- Participation in Republic Day Programme: 50 NSS volunteers were present for the programme which was held after the flag hoisting. The inauguration of 'Rangoli Workshop' was done by our Principal Dr. R. S. Zunjarrao. Some 'stunts presentation' was done by Miss. Shroff who is one of the NSS volunteers.

27-28 /01/2017- Exhibition cum sale: Our NSS volunteers supported the - Exhibition cum sale of the

different things which were prepared by HIV/AIDS affected children's staying at PALVI Pandharpur.

03 /02/2017- Workshop on Anti Drugs: NSS unit of Modern college in collaboration with Pune Police organized three hours workshop on anti-drug titled as -'Say No to Drugs'. Police officers of Shivajinagar police station guided and addressed on above topic. Our Principal Dr. R. S. Zunjarrao also addressed the volunteers on this topic.

20/03/2017- Street Play on Women's Safety: On request of Pune Municipal corporation, our 20 NSS volunteers actively performed street play on above topic at different parts of Pune city. Dr. Nisha Bhandare guided the volunteers for the street play.

Special Camp: December 2016

Duration of Camp: 24th -30 December 2016

Camp Site: Satya Sai Baba Kendra, Phulgaon

Day 1st: Saturday 24.12.2016 – Inauguration of Camp- The Inauguration of camp was done by Hon'ble Shri Mauli Dabhade, Deputy President of Haveli Panchayat Samiti in the presence of vice principal Prof. Mrs. Nayana Kulkarni, Shri. Sunilbhau Wagaskar (Sarpanch Phulgaon), and members of Phulgaon Grampanchayat. Shri. Mauli Dabhade appreciated the work of the college students. He also explained the role of youth in nation building. Sarpanch Sunilbhau also took review of the work done by the volunteers in the past year and expected for better work in this camp.

Day 2nd Sunday 25.12.2016 - Cleaning Drive at Malwadi and Dattaguru temple:

Out of 5 groups group no 1, 2 cleaned the campus of Dattaguru temple and main Bazar peth of Phulgaon under the guidance of PO and villagers. Group no-3, 4 cleaned the campus of Malwadi and prepared pit for tree plantation and also repaired the pits of some trees.

In afternoon Programme officer P. S. Varade and Nisha Bhandare addressed the volunteers about the different work to be done in this camp. At night Mr. Vaibhav Lavale performed a one act play -' Varhad Nighala Landala '. The villagers and students were impressed by the performance.

Day 3rd Monday 26.12. 2016- Continuation of field Work:

With the reshuffle of group the same labor work at Dattguru temple and Malwadi was continued and completed. After lunch Prof. Narendra Naidu delivered a demonstrative lecture on famous actor 'Charlie Chaplin', screening a short film. At night a slide show on 'Himalaya Darshan' was organized by Girikujan members. Before good night a feedback session on three day work was held.

Day 4th Tuesday 27.12.2016 - Cleaning Drive at shani Temple and Dhotre School:

Group no 3, 4 prepared a ground in the school campus which is beneficial for school students for their competitions. Group no 1, 2 cleaned the campus of Shani temple. Volunteers prepared the pits of trees and flower plants.

In afternoon, volunteers prepared their street plays. And also practiced for cultural event. At night an interesting programme - Bharud was performed by Hemantraje Mavale on 'Maharashtra Lokdhara' After dinner a feedback session was held on work done.

Day 5th Wednesday 28.12.2016-Cleaning Drive at God Shani Temple and around:

The garden area of this temple was cleaned by the volunteers. few pits for tree plantation were also prepared. Other group of volunteers constructed two different roads in the village.

After lunch Shri. Satish Kshirsagar delivered a lecture on 'Stress Management'.

At night another programme on Bharud and Powada was performed by the artists (Shahir) from Junnar

Day 6th Thursday 29.12.2016- Cleaning drive at School Campus and Survey:

Group 1-4 cleaned the Dutta temple and primary school campus as well as main road from highway to Phulgaon. After this 100 pits were prepared by the volunteers. The Sarpanch was really impressed due to heavy work done by volunteers. Few students collected information regarding 'Health of Family'

A cultural programme was held for the villagers by our volunteers, which was full of comedy and solo songs, solo dance, group dance, group song and street play.

Day 7th Friday 30.12.2016- Physical Work and Send off:

On immediate request of Sarpanch and Gramsevak, the volunteers planted 50 different plant on both sides of main road of Phulgaon.

At 1.00 pm the felicitation feedback function was held. The student expressed their views about the seven day experience in camp. The function was chaired by Principal Dr. R. S. Zunjarrao and Sarpanch Sunilbhai Wagaskar and other members of Grampanchayat.

**Prof. P. S. Varade
Dr. N. K.Bhandare**
Programme Officers

National Service Scheme (Junior)

(NOT ME BUT YOU)

Regular Activity

The NSS+2 unit junior wing has a sanctioned Unit of 100 student volunteer. Students from all the streams

i.e. Arts, Commerce, Science voluntarily participated in this scheme.

The Regular activities of first Quarter consisted of the following:

24th -June 2016 – Orientation for XII class students

Film of National Service Scheme activities was shown to the students by Ms Manisha Mandhare.

25th June 2016 – Parisar swachchhata

78 volunteers with all the committee members participated in cleaning college campus and premises.

4th July 2016 – NSS Advisory Committee meeting

The meeting was attended by Programme Officer Shri.P.M.Sambare at D.E Office Pune.

16th July 2016-Paddy Planting Programme at

Vinzar & Velhe: 800 students from our college and NSS P.O. Prof. P. M. Sambare, Mrs Sunita Gosavi actively participated in this activity.

The students in a group of around 10-15 helped the farmers for planting rice paddy. In the rain they planted the rice paddy. This was really wonderful experience for the young college students. The farmers were singing the songs while planting and the students were responding them. Every student worked for minimum five hours.

The farmers really appreciated the work done by students. After this the Adv. Nandu Phadake, Sarpanch of Vinzar, other members of Grampanchayat, Principal of Vinzar College felicitated the group leaders and the teachers.

18th July 2016 – Information lecture

After the Principals address, students of Std XI, were given information of NSS by Shri. P.M.Sambare. He also showed film on activities of NSS volunteers in Modern College.

5th August 2016 – P.O. meeting

One day workshop at B. K. Chavan Junior College , Dhayari conducted by PO Shri P. M. Sambare for the PO of three districts Pune, Solapur & Ahmednagar.

10th August 2016 – Counselling for NSS students by Rotary Club Pune

Organizer – Prof. Alka Kamble (HOD English Dept.), conducted by Ashwini Deshkar.

15th August 2016- Independence Day Celebration & Trekking to Law college Hill:

On this day the NSS volunteers were present for flag hoisting. Mrs. Sujata Gangurde delivered a lecture on 'Anandwan'. She explained the detailed functioning of Anandwan. She also emphasized on Baba Amte's great work in Anandwan. She displayed the photographs of her visit to Hemalkasa, Anandwan and Somnath with other committee members Mrs. Sunita Nighot & Ms. Manisha Mandhare. Students were inspired by her speech. She also appealed to the students to co-operate for Anandwan activities.

Later the 79 Volunteers were taken for trek to Law college Tekdi. Shri P. M. Sambare guided them, they were made aware of the Biodiversity and its conservation.

17th August 2016- Raksha Bandhan at Balgram Malavali

36 Volunteer girls were accompanied by P. O. Shri P. M. Sambare, Manisha Mandhare, Mrs. Sunita Nighot, Mrs. Sucheta Jadhav, Mrs. Vaishali Aher, Mrs. Nanda Birajdar. The "Samparc Balgram" children tied rakhies to the girl volunteers. This was a unique programme. The girls were taken for trek to Bhaje Caves after the programme, everyone enjoyed the nature, biodiversity, rain & waterfall.

2nd September 2016 - Lecture on Ganesh festival

Prof. Dr. Ujlambkar addressed the students and presented a slide show on the celebration of Ganesh festival in different parts of the world.

17th September 2016 - Visit to Agakhan Palace.

60 volunteers, Shri P. M. Sambare and four other teachers visited Agakhan Palace. The volunteers were shown the museum in the palace. They paid homage to the Samadhi of BA-Kasturba Gandhi and studied the history of the palace. They were made aware about Bapujis contribution to the nation.

24th September 2016 - NSS Foundation Day Celebration:

Speech by Dr. Prakash Dixit, Vice Principal Modern College, Pune 5 and Dr. Ujlambkar (Ex. NSS P.O.)

2nd October 2016- Gandhi Jayanti Celebration

Oath of Cleanliness: On this occasion Principal Dr. Zunjarrao gave the oath of cleanliness to all NSS volunteers and also appealed to participate in different activities related to 'SWACHH BHARAT ABHIYAN.'

10th October 2016- Cloth collection Camp:

Volunteers organized this activity. All the staff members and students supported this activity. The collected clothes were sorted and donated to different needy people in Pune city. Principal Dr. R. S. Zunjarrao guided the volunteers and also appreciated their efforts. All the NSS Staff members actively motivated the volunteers for the collection.

26th November 2016 - Constitution Day program

Tribute to Martyres of 26/11

5th Dec 2016- Previsit for Special winter camp Phulgaon

Prof. Sambare, Prof. Varade, Prof. Mandhare, Prof. Jadhav and Prof. Wagh visited Phulgaon to meet the Village Sarpanch to fix the programmes for the Camp. The place was surveyed where the activities were planned, Eshwarpuram, Shri Satya Saibaba Ashram was fixed for the stay. All other requirements were seen and were discussed with the local people the list of groceries was given to grocery shop, order for milk

provision was made to the local milkman. Meeting for volunteers was organized for the undertakings and instructions for the camp activities. The girl volunteers were given separate instructions for safety purpose in the college. After the visit, Prof. Sambare, Mandhare madam, Jadhav madam, Aher madam & Prof. Wagh advised the volunteers,

7th December 2016 Pre winter camp meeting of the committee members

Duties for the camp were allotted to the Committee members, the programmes were discussed, the departure time, Inauguration function was planned.

11th December 2016 - Visit to Ghorawadeshwar

55 volunteers, 6 teachers participated.

19th Dec to 25th Dec 2016 - Special winter camp at Phulgaon was completed under the guidance of Principal, Vice Principal, Supervisor, Programme Officers and Committee members

31st Dec 2016 - Anti superstition Rally - Modern College to Sadhana karyalaya, Shanivar Peth. Shri P.M. Sambare, Shri Wagh and Shri Devadhe participated in the rally along with volunteers.

12th January 2017 - Youth Day celebration

Yuva saptah was held from 12/01/17 to 17/01/17.

26th January 2017 - Republic Day celebration

Volunteers and committee members attended the Flag Hoisting programme in at the college.

February 2017- Lecture

A lecture on Road safety, use of Helmets while driving, Traffic rules was given by Shri P.M. Sambare.

**Shri. P. M. Sambare, Ms. Manisha Mandhare,
Shri Valmik Wagh and Mrs. Sucheta Jadhav.**

NSS +2 Programme Officers

Planning Forum

Planning Forum is a forum which gives non-formal education to the students on current economic aspects including Humanities and Social Sciences. Following activities were conducted in the academic year 2016-17

1) Inauguration:

The inauguration of activities of Planning Forum was done on 24th August, 2016 by Dr. Atul Deshpande, Economist and adjunct Professor COEP, Pune. He spoke on "Britain's Exit from European Union".

2) Essay Competition was organised on 24/09/2016. The topic for the essay was "Scarcity of water and its solutions". **The winners were:**

First Prize: Shivani Patil (SYB. Com C)

Second Prize: Ranjeet Landage (TYB.com C)

Third Prize: Komal Ranpise (TYB.com C)

Consolation: Raksha Mani (SYB.Com C)

Shivanshi Mishra (TYB.com C)

3) **Group Discussion** was organised on 07/01/2017. The topic for the Group Discussion were

- i) Manmohan Singh's fear of GDP decline: True and False Alarm?
- ii) Are digital payments secure enough for the Indian Economy to go cashless?
- iii) How demonetisation is affecting common people more than black money holder?
- iv) Bullet Trains: Pros and Cons
- v) Are the E-Commerce companies affecting adversely the offline stores?

The judges for the Group Discussion were Prof. Sandhya Vartak and Prof. Shradha Hirwe

The winners were:

First Prize: Onkar Wakchaure (SYBA)
Second Prize: Pallavi Suryawanshi (TYBA)
Third Prize: Parag Brahmankar (FYB.Com B)
Sidhika Pawar (SYB.Com C)
Kiran Biradar (TYB.Com D)
Consolation Prize: Shivanshi Mishra (TY B.Com C)

3) **Quiz Competition** on economic and political issues was organised on 13/01/2017. **The winners were:**

First Prize: Shilpa Band (FYB.Com B)
Second Prize: Revati Jadhav (FYBA)
Akash Sawant (SYB.Com C)
Shubhangi Jadhav (SYB.Com C)
Third Prize: Ankita Yadhav (FYB.Com D)
Ankita Shinde (FYB. Com B)
Jigisha Siddhapura (SYB.Com D)

4) **Debate Competition** was organised on 31/01/2017. **The topics for Debate competition were:**

- i) Delhi's odd even formula a good step to control air pollution ?
- ii) Money a biggest motivator at workplace
- iii) The war against child labour is being lost
- iv) Demonetisation

This competition was judged by Prof. Vijay Phasate

The winners of Debate competition were:

First Prize: Shivani Patil (SYB.Com C)
Mizba Sayyed (SYB.Com C)
Second Prize: Sakshi Agarwal (FYB.Com C)
Rohini Bhosure (FYB.Com D)
Third Prize: Sayrabanu Attar (SYB.Com D)
Parmeshwari Sharma (SYB.Com D)
Consolation Prize: Prachita Ravaji (FYB.Com D)
Pritviraj Sawant (FYB.Com D)
Pallavi Suryawanshi (TYBA)
Madhura Parihar (TYBA)

5) **Power Point Presentation Competition** was organised on 3/02/2017. The topics for the competition were i) GST, ii) Green Economy, iii) Metro in Pune. The judge for Power point Competition was Prof. Dipali Lodh. **The winners were:**

First Prize: Neikmal Yoon (TYBA)

Pallavi Suryawanshi (TYBA)

Second Prize: Shubham Phadtare (SYB.Com D)

Madhura Parihar (TYBA)

Sakshi Agarwal (FYB.Com C)

Third Prize: Ravindra Bhide (TYBA)

Jigisha Siddhapura (SYB.Com D)

Consolation Prize: Rohini Bhosure (FYB.Com D)

Deepali Kadam (SYB.Com D)

Harish Wagh (FY B.Com B)

6) Mock Interviews was organised on 14/02/2017.

The winners were:

First Prize: Siddhika Pawar (SY B.Com C)

Second Prize: Prachita Ravaji (FY B.Com D)

The judge for this competition was Dr Gajanan Apine

Valedictory Function was held on 15/2/2017. The chief guest for the function was Dr. Robin Tribhuwan , Deputy Commissioner ,Tribal Research Institute ,Pune. The guest spoke on his experiences in planning for the various schemes of tribal empowerment

The above activities were encouraged by Principal. Dr.R.S.Zunjarrao, Vice-Principal Dr. Y. R. Waghmare, Vice-Principal Dr. Amruta Oke and H.O.D of Economics Dr. M.M. Satam.

These activities were the results of good team work done by Prof. Ms. P.B. Mujumdar, Prof. Mrs. S.A. Vartak and Dr. S.S.Deshmukh.

Dr. Abhay Shende, Chairperson

Science Association

Various Science activities like Posters, Project, Seminar, Quiz, Lectures and Essay-competitions were organized in association with departments like Botany, Chemistry, Physics, Mathematics, Statistics, Microbiology, Computer Science and Zoology. A remarkable number of students participated from undergraduate and post graduate science students for these competitions.

The inaugural lecture of Science Association was given by Chairperson Dr. S. K. Ujlambkar on 15th October, the occasion of renowned scientist Dr. A. P. J. Abdul Kalam's birthday. He conducted a lecture on Dr. Kalam's contribution to the field of research, Social services and humanities. All graduate and post-graduate students were present for this lecture.

On the occasion of NAAC, i.e. 19 to 21 December 2016, posters of Dr. Kalam's information were displayed at laboratories of Department of Chemistry. Throughout academic year, information related to various activities related to "Science" will be displayed on weekly basis at Science Association's notice board.

On the occasion of "Science Day", the entire week is celebrated by carrying out different activities such as an essay and poster competitions. Every year students

from various departments enthusiastically participates in these activities held by Science Association. In addition to competitions various departments organize one day visit to various institutes. A one day visit for second year master students was also organized by Department of Chemistry to MAARC Lab. Pvt. Ltd. On 2nd March 2017. We are thankful to all committee members of Science Association for consistent support and encouragement throughout year.

Dr. S. K. Ujalambkar, Chairperson

Time Table Committee

Advisor: Prof. P.S.Kapre

Chairman: Dr. R.B.Barmukh

Vice-Chairman: Prof. Muttalgi B U

Coordinators: Prof. Mane D.S., Prof. Hirve S.R.

Members:

Dr. Kulkarni R.W. Dr. Bhagat Sangeeta Dr. Mujumdar Shilpa Dr. Patil N.M. Dr. Gosavi S.N. Prof. Trupti Gohad Prof. Wayal N.L. Prof. Ghanekar M.S. Prof. Khokale D.L. Prof. Ingole R.N. Shri R.P.Kale Mrs. Sutar Pallavi Shri Gaikwad R.M. Shri Gaikwad Mahesh

The Time Table Committee invited suggestions in writing from various staff members through Head of the Department. Meetings were conducted to discuss various issues related to timetable of various classes.

Few conflicts in the timetable were observed and therefore the committee prepared new timetables with necessary changes that avoided such conflicts. The problems related to allotment of classrooms to certain classes were solved with the help of the Principal, Vice-Principals and the Registrar.

Subject-wise timetables of practical sessions were also prepared and displayed on time. Vice-Principal Prof. S. R. Chaudhari was of great help in this aspect and the committee is grateful to him for the indispensable role in the functioning of the committee.

In this academic year, Hall No. 203 was converted into a Library Reading Room and the entire schedule of this hall was rearranged in the Hall No. AB-1 and AB-7. We are thankful to all the concerned teachers for supporting us in this regard.

The committee has successfully carried out all the tasks related timetable in the academic year 2016-17. Necessary hall arrangements for various activities during the academic year were made with minimum disturbance to the schedule of various classes.

The committee takes this opportunity to thank Principal, Vice-Principals, Registrar, as well as all teaching and non-teaching staff for their kind cooperation and help throughout the year 2016-2017.

Dr. R.B.Barmukh, Chairman

Anti-Ragging Committee

To ensure a safe and secure environment for all in the college campus and to prevent the possibility of ragging, our college has constituted the Anti-Ragging Committee. This committee has taken the following steps:

- The Committee includes students' representatives in addition to members of the staff.
- Information about the Committee and its functions has been spread amongst the student community.
- Anti-ragging Vigilance squad has been formed. This squad has regular rounds in the campus.
- The entire college campus is under CCTV surveillance. Students are made aware of this fact.
- This information has been included in the College Prospectus too. So even the parents are aware about these measures.
- Notices about Anti-Ragging have been displayed in the college campus.

These preventive measures have helped the Committee to avoid any untoward incident in the college campus.

Dr. N. J. Kulkarni, Chairperson and Vice-Principal

विद्यार्थी विकास मंडळ २०१६ १७

विद्यार्थी विकास मंडळ, पुणे विद्यापीठ ह्यांच्यातर्फे दरवर्षी विविध योजना मॉडर्न कॉलेज, शिवाजीनगर, पुणे येथे राबविण्यात येतात. यापैकी महत्वाची योजना म्हणजे "कमवा व शिका". ही योजना गेली १५ वर्षे आपल्या कॉलेजमध्ये उत्कृष्टरीत्या कार्य करित आहे. २०१६ १७ साली ह्या योजनेमध्ये १०६ विद्यार्थ्यांचा सक्रीय सहभाग होता. शैक्षणिक वर्षाच्या सुरुवातीला ह्या योजनेची सविस्तर माहिती तसेच विद्यार्थी विकास मंडळातर्फे घेण्यात येणाऱ्या इतर उपक्रमांचा परिचय, विद्यार्थी विकास अधिकारी प्रा. डॉ. शुभांगी पुराणिक यांनी करून दिला. १ जुलै ते २८ फेब्रुवारी ह्या कालावधीत विद्यार्थी विविध विभागात काम करित असतात.

ह्यावर्षी विकास मंडळ आणि Rotary club of Pune wisdom and Woman in Rotary ह्यांच्या संयुक्त विद्यमाने "विद्यार्थिनी व्यक्तिमत्व विकास" ही दोन दिवसीय कार्यशाळा आयोजित केली होती. ह्या कार्यशाळेचा १५० विद्यार्थिनींनी लाभ घेतला प्रख्यात वक्ते श्री. मिनोचर पटेल, श्री. मकरंद टिल्लू यांनी जीवनात आनंदी कसे राहावे, Speak for Success ह्या विषयांवर उत्कृष्ट मार्गदर्शन केले. तसेच, Beauty Tips, diet, basic cooking ह्या विषयांवर संयोगिता भावे, सौ. पुराणिक, शोभा राव यांनी विद्यार्थिनिंबरोबर मनसोक्त चर्चा केली. त्याचबरोबर स्त्रीरोगतज्ञ डॉ. शलाका शिंपी व "जीवनसाथी निवडताना" ह्या विषयांवर सौ. गौरी कानिटकर यांनी उत्तम

मार्गदर्शन केले. ही कार्यशाळा व्यक्तिमत्त्व खुलण्यासाठी उपयुक्त ठरली.

दरवर्षीप्रमाणे यंदाही “विशेष मार्गदर्शन योजना” उत्तमरीतीने आयोजित केली गेली. या योजनेचा लाभ अंदाजे ३०० विद्यार्थ्यांनी घेतला.

२०१६-१७ मध्ये विद्यार्थी विकास मंडळातर्फे ३ प्रस्तावांना मान्यता मिळाली. व्यापार मेला – रु. ५००००/-, प्रसार माध्यमांमध्ये विविध भाषांद्वारे रोजगाराच्या संधी रु. १८०००/- आणि “Industry-Academia meet” रु. १००००/- अनुदान मिळाले.

ह्या सर्व योजना यशस्वी होण्यासाठी सारे श्रेय प्राचार्य, उपप्राचार्य, शिक्षक शिक्षकेतर कर्मचारी आणि विद्यार्थी यांना आहे.

डॉ. शुभांगी पुराणिक, विद्यार्थी विकास अधिकारी

Centre for Innovations in Teaching, Learning and Evaluation

The Rationale:

Teaching, Learning and Evaluation constitute the core of Educational system. All these three aspects are presently on the verge of attaining new dimensions. Newer Pedagogic approaches are emerging on the world scenario of the Teaching-Learning process.

The teaching community has also to take cognizance of their changing role in the light of the explosion of the Information Technology and the Digital Media. Another challenge in the College Education is to adopt a progression in the Teaching-Learning beyond the Curriculum. A need for revamping the Evaluation System is getting underlined because of the challenges like catering for the rising student number and diverse expectations to be fulfilled by the Educational System.

Recognizing the urgent need of the hour, Modern College has taken a positive step to establish the ‘Centre for Innovations in Teaching, Learning and Evaluation’.

Initial Steps:

The college has been running employment oriented courses such as gardening, tissue culture, since 1990's. In response to the increasing demand and positive feedback the number of such co-curricular add-on courses/skill development training workshops went on increasing over the years, and their conduction was brought under the umbrella of “**Teaching Learning Beyond Curriculum**”.

Progress During the Last Five Years:

In the year 2011, use of an innovative pedagogic method called cooperative learning (CL) was started at individual level by a senior teacher, who could

correlate it with the enhanced performance of the students in the internal tests.

In **February 2012**, during the National Conference on Perspectives of Chemical Sciences (NCOPOCS-2016) organized by the college, one full session comprising two invited speeches, three oral presentations and about twenty exhibits on Educational Aids in Chemistry, was devoted to Chemistry Education.

During the academic year **2012-13**, a “Study Group for Use of Innovative Pedagogic Methods in College” was formed. About thirty teachers in the college joined this Study Group. An expert in Modern Pedagogy was invited as resource person to introduce newer pedagogic methods including pairing technique and concept map to the group members. The group members used these methods in their classes and shared their experiences.

This activity culminated in the organization of a **one day regional workshop** in “Use of Cooperative Learning in Classroom Teaching in College” on **8th Feb. 2013**, with an **internationally acclaimed pedagogue Ms Yael Sharan from Israel** as the resource person. About forty teachers from various colleges in Pune and around participated in this workshop. -- --

In **2014** a research paper on “Use of an Innovative Teaching Method to Introduce the Periodic Table of Elements” was published by a senior teacher in the college in the renowned “Journal of Chemical Education” published by the “American Chemical Society”.

Towards the end of **2015**, the ‘Centre for Innovation in Teaching, Learning and Evaluation’ was established in the college to give a formal support to the scattered activities in this field. All the co-curricular activities such as running add-on courses/skill development workshops (i.e. Teaching Learning Beyond Curriculum), organizing educational tours, workshops, film-shows and seminars were brought under this Centre in coordination with respective departments.

An **International Conference** on “Innovations in Teaching, Learning and Evaluation in Higher Education” (INTELE-2016), was organised under the auspices of this centre in **January 2016**. stalwarts in the fields of ‘Innovative Pedagogy’ and ‘Use of electronic media in education’ from India and abroad guided the participants through their key-note addresses and participatory sessions.

On **27th July 2016**, an interactive session was organized for students on ‘**Communication Skills and Personality development**’, conducted by a London-based resource person, **Ms. Ekta Joshi** of Brown Cover.

On 8th February 2016, a one-day workshop on 'Use of Theatre Based Techniques in Teaching' was organized for teachers and conducted by Ms.Ekta Joshi.

A year around series of workshops on **Cooperative Learning** was held under the guidance of an internationally acclaimed resource person **Dr.Mrs.Lalita Agashe**. About forty teachers from various colleges from Pune and around and also university Departments enrolled themselves for this workshop series. **This series was inaugurated on 15th July 2017 and it was concluded on 17th February 2017.**

A WhatsApp group of the participants of the workshop series, named 'Modern CL' was formed. The functioning of this group was much focused. A lot of study material was made available on the group, and the exchanges of ideas were found to be very fruitful to the members and were extended to the student community.

Science Education Initiative

Ms. Priya Kakkar, Co-Founder & Director of Operations (India) | Science Education Initiative approached us with the concept of SEI. After discussions between Ms.Priya, our Principal Dr.R.S.Zunjarrao and Chief-Coordinator Narendra Naidu, our college signed an agreement with Science for All Foundation, Pune to carry out the activities under the *Science Education Initiative Fellowship (SEI Fellowship)*. This collaboration would benefit Science students to develop better understanding of their subject and moreover encourage them to actively participate in spreading awareness about Science.

Following schedule was planned and successfully executed:

Introductory talk: 10th Dec 2016

Application and Interview: Dec 2016 to Jan 2017

Classroom Demonstration: Dec 2016 to Jan 2017

Orientation and Pre-Fellowship Training for SEI Class of 2017: March 2017 – April 2017

Summer Training program for SEI Fellows Class of 2017: June 2017

It is a matter of pride for our college that Fourteen students were selected for the SEI Fellowship.

Dr. Sushama D. Joag
Advisor

Narendra M. Naidu
Chief Coordinator

Value Based Education Committee

Activities and Programmes conducted in the Academic year 2016-17

- 1) Session on '**Mechanical Analysis of Yogic Procedures**' with scientific factual evidence was conducted by Mr. N. K. Lokhande for staff and students in the month of July 2016.

- 2) A session on **Relaxation Technique** was arranged by Heartfulness Meditation for staff and students on 19th and 20th January. Around 50 staff members and 300 students attended the session.
- 3) Committee has initiated an activity of providing "**The speaking Tree**" weekly newspaper a **Times of India Publication** to all departments.
- 4) Three days workshop on **Relaxation Technique** was arranged by Heartfulness Meditation for staff and students of Fashion Technology in the month of February.
- 5) Yoga Sessions for Ladies of Police line were conducted by Dr. Vinaya Tilekar in our meditation hall in February month. 17 ladies were enrolled for the course.
- 6) Six days Sessions of **Yoga, Pranayam, Meditation and Sudarshan Kriya** conducted for staff and students by **Art of Living** in collaboration with **Value Based Education Committee and Psychology Department** from 20th March 2017 to 25th March 2017.

One of our committee members Mr. Raghu Vidap is permitted to conduct "**Heartfulness Meditation**" in colleges affiliated to Savitribai Phule Pune University under NSS service program from academic year 2016-17.

Prof. Vaishali Bhoite, Chairperson

Industry Academia Committee

Industry Academia Meet was held on 18th February 2017 in Modern College of Arts, Science and Commerce, Shivajinagar, Pune -5.

In recent times it is increasingly experienced that there is a gap between manpower need of industry and supply of manpower available from educational institutions. Modern College of Arts, Science and Commerce, Shivajinagar, Pune, has organized series of Activities which were very beneficial for the students. The activities caught interest of students and the response received was overwhelming. These activities were spread through out the year. The objective of these programmes was to identify the exact gap in curriculum and need additional input to be given to the students for their career. **Principal Dr. R.S. Zunjarrao** gave details of progress of college and efforts taken by the college to strengthen the collaborations with various industries. Experts from the industries **Mr. Pravin Paritkar**, Director-Corporate HR &Admin, **Mr. Vishal Goswami**, Vice President defour analytics, **Mr. Ajinkya Shewale** from IT's BioEng, Life sciences Pvt . Ltd., **Mr. Jayant Joglekar**, MBA. Marketing, **Mrs.Janhavi Joglekar**,Branch Manager, Bank of Maharashtra, **Manjusha Mudhale**, SEED Infotech

Ltd.guided the students and expressed their views for bridging this gap.

Mr.Goswami explained how to be Successful in life. He stressed that to be successful try to do the same thing in different way. He also explained that higher performance is the key to success.

Pravin Parikar spoke on "Collaboration between Industry and educational institutions for improving employability. He listed out the expectations Industry had from the future employees. He explained that finding right manpower is very crucial for the industry. He further elaborated on how to improve your personal and professional qualities by being Responsible (Taking responsibilities of your own actions), developing Self Confidence (by having deeper knowledge). How to develop Self Control, Commitment, adaptability, Self motivation and team spirit. He also explained how customer Orientation needs to be developed.

Janhavi Joglekar explained about jobs in Financial sectors and Banks and how to go about exploring the availability of these.

Ajinkya Shewale spoke on Bioinformatics, its uses and requirements. He elaborated how knowledge of computers and Life Science can be used in Bioinformatics.

Shailaja Mudhale highlighted the importance of Goal setting in life.

Mr. Joglekar explained the spirit of Entrepreneurship. He explained importance of Team work, need to be good person, god and smart worker and good entrepreneur.

Prof. S. R. Chaudhari Vice Principal, Modern College, illustrated the contents of curriculum to develop soft skills and efforts taken by the college. **Dr. Shubhangi Puranik**, Student Welfare Officer and Prof A. V. Kamble took efforts to organize this Industry Academia meet.

Dr. Shubhangi Puranik, Coordinator

Academic Research Coordination

AVISHKAR 2017

Following students participated in the **Zonal Level Avishkar -2016**, held at Sir Parashurambhau College, Pune 411030 on Monday, 19th December, 2016:

Sr. No.	Name of the Student	Category	Level	Title of the Project
1	i) Saumya Digraskar ii) Sukanya Joshi	Agriculture and Animal Husbandry	UG	Use of Plant Based Dyes in staining of Polyacrylamide Gels in Electrophoresis
2	i) Amruta Jadhav ii) Vikas	Agriculture and Animal Husbandry	UG	Awareness about quality of milk through scientific approach

Sr. No.	Name of the Student	Category	Level	Title of the Project
	Chikane			
3	i) Manjusha Jadhav ii) Maitrali Relekar	Pure Sciences	UG	Green Synthesis of metal nanoparticles and studies on Nitrate Reductase
4	i) Akshada Janekar ii) Shrikar Sankpal	Pure Sciences	UG	Enumeration of Lattices of Nullity Three
5	i) Aniket Gawali ii) Zain Pardawala	Pure Sciences	UG	Generation of Bio-Electricity from waste water using microbial fuel cell
6	i) Rushikesh Mulik	Pure Sciences	UG	Low Cost LED illuminator for student microscope
7	i) Nayan Shirsath ii) Shruti Nair	Agriculture and Animal Husbandry	PG	Screening of multiple plant for Xanthine oxidase inhibitions - A potential remedy for gout
8	i) Dnyaneshwar Gavali ii) Yogesh Zende	Agriculture and Animal Husbandry	PG	The optimization of growth rate of potential producing algae
9	i) Piyusha Kulkarni ii) Pranali Desai	Pure Sciences	PG	Evaluation of Methicillin Resistant <i>Staphylococcus</i> species from soil
10	i) Suraj Yadav ii) Rima Mane	Pure Sciences	PG	Centralized Result Analysis and its Analytical Study
11	i) Jagruti Gela ii) Selina Arokaiswamy	Humanities	UG	Greenagers Organization Management System
12	i) Mahesh Gore	Humanities	PG	A Study of Psychological Wellness of the students
13	i) Rujuta Deshpande ii) Ashwini Patil	Pure Science	PPG	Cost Effective Method for PAGE staining

Out of the above, following projects were shortlisted for **University Level -Avishkar**, held in SPPU on 10th and 11th January, 2017 :

Name of the Student	Category	Level	Title of the Project	Name of the Guide
i) Amruta Jadhav ii) Vikas Chikane	Agriculture and Animal Husbandry	UG	Awareness about quality of milk through scientific approach	Prof. Radhika Oke
i) Nayan	Agriculture	PG	Screening of	Dr. Sangeeta

Name of the Student	Category	Level	Title of the Project	Name of the Guide
Shirsath ii) Shruti Nair	and Animal Husbandry		multiple plant for Xanthine oxidase inhibitions - A potential remedy for gout	Bhagat
i) Jagruti Gela ii) Selina Arokaiswamy	Humanities	UG	Greenagers Organization Management System	Prof. Manisha Suryawanshi
i) Rujuta Deshpande ii) Ashwini Patil	Pure Science	PPG	Cost Effective Method for PAGE staining	Dr. Manisha Modak

Prof. R. P. Date

Coordinator

Prof. S. S.Thengadi

Academic Research Coordinator

INSTITUTIONAL SOCIAL RESPONSIBILITY (ISR)

1) Collection & donation drive: old/used clothes & things

Items we donate: Clothes (new or old in good condition) of all age groups, bed sheets, blankets, toys, Games, Tiffins, Waterbottles, Bags, Stationary items.

The students and staff of Modern College of Arts, Science & Commerce, Shivajinagar, Pune-5 showed great enthusiasm in donation for the needy and the poor. So every year we run **Collection & Donation Campaign**, for two days in collaboration with Rotary club, Shivajinagar, Pune, an International organization famous for social work.

The objective of cloth collection drive, is to promote recycling and reuse of clothes. The collected clothes were donated to an NGO with a noble aim of fulfilling the basic requirement of clothing of needy people. Every day we kept cloth baskets in the Porch (Main entrance) of the college and got those buckets filled of clothes at the end of the day. We genuinely salute the spirit of donation shown by the students, teaching & non teaching staff. The clothes were collected from people like us and those collections were processed with necessary value addition and were given to the poor and needy people.

We ensured the dignity by providing them respect & human touch, through empathetically approach. In this drive, we provided clothes, stationary items, toys, story books, etc to the underprivileged people living in open on the streets and in slum areas in Pune. In addition to said items, e-waste was also collected for systematic recycling.

2) Financial Assistance to needy students who were not eligible for any kind of Scholarship/Freeship.

We provide an opportunity to the PG students to work as part-time as Lab Instructors for B.Sc. Computer Science Laboratory. These students are admitted to various PG courses in our department and while they are pursuing their studies, they work in the undergraduate laboratory on part time basis. This scheme is providing a good financial support for the PG students.

Every year scholarships are given to the needy students in the memory of our past student Late *Kartikeya Rindani*. These scholarships are sponsored by Rindani Family. Following students has been benefited so far from this scholarship scheme.

3) To create awareness of Bio-fertilizers to Farmers of Ghorpadewadi Village on 9th April 2016

M.Sc. part II students tried to inform farmers about the benefits of Bio-fertilizers over chemical fertilizers, importance of soil testing at regular intervals, crop rotation and use of affordable modern technology to reduce the efforts and time in agricultural work. They also informed them about institutions where soil testing and all other such tests are carried out.

Their efforts were aimed at sharing our knowledge to the farmers in order to help them to enhance their agricultural yield and practice sustainable development.

4) Skin Donation Awareness

Skin donation is a new concept in our society and very few people know about it. In order to increase the awareness in the society about this, Institutional Social Responsibility (ISR) committee of our college had arranged a lecture & a power point presentation on Skin donation. Donating skin can provide a better quality of life to the people who are suffering from burns and skin injuries. **Preeti Damle, the Chief Executive Officer, Samavedana**, an NGO, working in these activities which are based on 3 pillars of healthcare viz. Treatment, Prevention and Awareness. She shed the light on some of the important aspects of skin donation.

Preeti Damle, explained the importance of skin donation, as the largest organ of the human body, skin acts as a shield to protect one from harmful chemicals, environmental changes and bacteria.

5) Organ Donation Awareness Mega Campaign 2016

As we all are aware, in our country approximately 5 lakh patients are suffering from kidney disease, 50,000 of liver disease and 2000 of heart disease and are eagerly waiting for organ transplant. For this

purpose, Government of Maharashtra had decided to organize **Organ Donation Awareness Mega Campaign**. Modern College of Arts, Science & Commerce, Shivajinagar, Pune actively participated in this campaign to promote awareness on Organ Donation. **Dr. Ujalambkar and Dr. Shubhangi Puranik** organized a Power Point Presentation for the students and staff of Modern College on 26th August 2016.

Dr. Baheti, Dr. Rokade & Dr. Kate from Govt. B. J. Medical College & Sassoon Hospital gave information that diabetes and hypertension are the leading causes for end stage kidney failure in India.

Our students also participated in the **Mega Rally** organized by the Government B.J. Medical College & Sassoon hospital, Pune, on 30th August 2016. **Dr. Mrs. Shubhangi Puranik**, Chairman ISR and **Prof. Varade** participated in the noble cause where they were accompanied by the students.

Excited students participated in the mega awareness program with 10,000 individuals, all dressed in white t-shirts and caps with the imprinting- "1 donor can save 8 lives". Students were provided with the same by the organizers.

The rally flagged off from various areas of the city and culminated at the B.J. Medical college ground. The long walk and scorching heat failed to lower down student's enthusiasm and they marched on calling out to the various slogans and tag-lines of the same. The most inspiring one to be quoted was- **"When you die you become zero, donate an organ and become a hero!"**

Many renowned people such as our ex-president – Mrs. Pratibhatai Patil, the famous environment activist- Shri Anna Hazare, Pune Bishop- Thomas Dabre, Guardian minister- Mr. Girish Bappat, the Dean of BJ Medical college- Dr. Ajay Chandanwale, celebrity face- Mrinal Kulkarni along with many doctors and professors had graced the occasion with their presence.

Overall, the experience was very informative, inspiring and encouraging as a result of which students decided to go for the donor registration program. Students appreciated the efforts of **Dr. Mrs. S. S. Puranik** for giving them an opportunity to be a part and contribute to such a noble cause.

6) Financial help provided by Emcure Pharmaceuticals Ltd. Bhosari, Pune to the needy students of our college

A large number of students from villages & suburban part of the Pune city prefer our college for their education. Many of them are the 1st generation graduates & some are even the 1st generation learners particularly from socio-economically weaker section.

Such students request for payment of fees in installments & some of them apply for educational loans. The 23 students who were shortlisted were likely to be deprived of education due to financial constraints. These students approached our Institutional Social Responsibility (ISR) committee for the financial help. Their applications, after conducting interviews were forwarded to Emcure Pharmaceuticals Ltd.

The authorities of Emcure Pharmaceuticals Ltd. considered our applications for the financial help & provided Rs.3,87,974/- (Rs.Three Lac Eighty Seven Thousand, Nine Hundred & Seventy four) for the needy students. (Cheque No.245990 dated 28/09/2016 of ICICI Bank).

7) Financial Assistance provided by Rotary Club of Pune, Shivajinagar & Modern College Of Arts , Science & Commerce, Shivajinagar, Pune, to Harshada Kirit Shroff

Harshada Kirit Shroff is a student of F. Y. B.Com. had participated in number of National Kickboxing Championship & won medals. She was selected for National Thaiboxing Championship 2016 at Delhi from 30th September to 2nd October 2016. Total expected expenditure for this championship was about Rs. 30,000/- She approached our Institutional Social Responsibility (ISR) committee for the financial help. Considering her financial difficulty her application, was forwarded to Rotary Club of Pune, Shivajinagar. The authorities of Rotary Club, & Modern College, (Student Aid Funds) considered her application for the financial help & provided **Rs.17,000/- & Rs. 3000/- immediately.**

• Harshada Kirit Shroff won the GOLD MEDAL in National Thaiboxing Championship 2016:

8) Health Check-up Camp for Teaching, Non-teaching staff of Modern college in collaboration with Express clinics Pvt. Ltd., Pune

To create awareness about maintaining good health, a **Health check-up camp** for teaching, non-teaching staff of Modern college was organized during 16-17th November 2016, in collaboration with Express Clinics, Pvt. Ltd., Pune. More than 100 staff members took the advantage of this camp.

This activity includes the following tests:

- Blood pressure
- Random blood sugar
- BMI
- Pulse rate
- Bone Mineral Density (BMD)
- Dental check-up

Staff members appreciated the activity. College is planning to conduct this activity every year.

9) Workshop on Spoken / Conversational Hindi

A workshop was organized by Dr. Prerna Ubale in collaboration of Durga Charitable Trust for Hindi teachers of rural schools. Dr. Prerna also conducted workshops for foreign students on spoken / conversational Hindi

10) Scholarships for visually impaired students

Name of the student	Class	Amount (Rs.)
Ajay Dnyanobharao Patange	S.Y. B.A.	5000/-
Santoshi Baban Raut	F.Y.B.A.	10,000/-
Komal Sanjay Mahajan	F.Y.B.A.	10,000/-

Our college form a group entitled “Netra” especially for visually impaired students. The aim of the college is to make a private or public environment comfortable and functional for individuals who are blind or visually impaired.

11) Aptitude Testing and Career Awareness:

In collaboration of E.Y. Foundation, staff of Department of Psychology provided the information about different career options for student studying in 9th & 10th standard class of Corporation schools.

12) Counseling Camps organized for neighborhood community

Counseling camps were conducted for various problems of the students of various age groups of neighborhood community. (School, Police line society, colleges).

13) First Aid Assistance

In association with VIVO Health Care Institute Health Check up Committee of Modern College of Arts, Science and Commerce, Shivajinagar, Pune, conducted a workshop.

Following demonstrations were taken :

- CPR Brief Session
- Checking - Adult, Child and Infant
- Injury and Bleeding Control
- Environmental Emergencies

14) Dry Eye Awareness & Eye Care: Guidance session by Ophthalmologist, 5th December 2016

Considering this problem Department of Zoology had organized a interactive session of well known Ophthalmologist **Dr. Aditi Adsule, M.D.** (Ophthalmology), Cataract & Refractive Surgeon, from Vision Next, Pune, on ‘Dry Eye & Eye Care’.

Dr. Shubhangi Puranik, Chairperson

Department of Physical Education

Junior College

We are proud to state that 215 Players of the Junior college participated In team events as well as individual events at the inter school and various levels

for the year 2016-17 organized by district sports office & Municipal corporation.

Team events

Softball and baseball girls team (u-19)

Softball and Baseball girls team got 1st Place in the inter school District under 19 Championship & the team was selected for Inter Zonal Tournament which was held at Nagar and Daund team was got 1st Place in Softball zonal & 2nd place in Baseball zonal and Softball team was selected for Inter state championship & Team got 2nd place in state championship held at (Aurangabad)

The team members are as follows:

1	Samrudhihi Subhash Mule	11 th
2	Arti Sunil Bhalerao	11 th
3	Vaishnavi Rajendra Chavhan	11 th
4	Kavita Laxman Rathod	11 th
5	Gayatri Bhagwan Nimhan	11 th
6	Priyanka Amar Kadu	11 th
7	Pranal Pravin Kamble	12 th
8	Rutuja Sunil Marle	12 th
9	Arti Vitthal Ganange	12 th
10	Pranita Rajendra Tayde	12 th
11	Kirti Bipinshih Tomar	12 th
12	Apurva Dnyaneshwar Vankhede	12 th
13	Jagtap Aarya Hanumant	12 th
14	Neha Sunil Chavhan	12 th
15	Komal Hiranman Aakhade	12 th

Sepaktakraw girls (u-19)

Sepaktakraw girls team got 1st Place in the inter school District under 19 Championship & the team was selected for Inter Zonal Tournament which was held at Nagar and the team was selected for Inter state championship

1	Ruksar Sarwan	11 th
2	Vaishnavi Nikam	11 th
3	Sayali Bahirat	12 th
4	Nikita Borude	11 th
5	Harshada Magar	11 th

Netball BALL BOYS (u-19)

Netball Boys team got 1st Place in the inter school District under 19 Championship & the team was selected for Inter Zonal Tournament which was held at Solapur

1	Saklen Aminudin Fakhir	12 th
2	Akanabha Kumar	12 th
3	Atharva Balashaheb Gaikwad	11 th

4	Sahil Salim Patel	11th
5	Parth Harshal Deshpande	12th
6	Saumitra Gopal Mehendale	12th
7	Pranav Shekhar Jogalekar	12th
8	Shreyash Balashaheb Kapare	11th

Netball BALL girls (u-19)

Netball Girls team got 1st Place in the inter school District under 19 Championship & the team was selected for Inter Zonal Tournament which was held at Solapur

1	Pranal Pravin Kambale	12th
2	Arya Hanumant Jagtap	12th
3	Arunima Kumar	12th
4	Komal Sanjay Bhirud	12th
5	Urja Abhay Bhalerao	12th
6	Apurva Dnyaneshwar Vankhede	12th
7	Kirti Bipinshih Tomar	12th
8	Shreya Kshirsagar	12th
9	Pranita Tayde	12th

VOLLEYBALL BOYS (u-19)

The Volleyball Boys team got 2nd Place in the inter school district under 19 Championship

1	Jadhav Rushikesh Satish	11th
2	Mahale Bhimrao	11th
3	Gavade Vikram Balu	11th
4	Gaurav Vijay Aasekar	11th
5	Nimbalakar Anirudh Bhausaheb	11th
6	Suranglikar Malhar Sachin	11th
7	Lonkar Vikas Hemantkumar	11th
8	Palade Shubham Sitaram	11th
9	Halage Pavan Mahendra	11th
10	Kamble Akash Sanjay	12th
11	Gore Prashant Dilip	12th
12	Harshad Ganesh Kadam	12th

BASEBALL BOYS (u-19)

Baseball boys team got 2nd place in inter school District under 19 Championship.

1	Ronit Santhosh Gupte	12th
2	Yash Milind Bartake	12th
3	Pranav Dilip Pagare	12th
4	Rangaswami Shankar Nayadu	12th
5	Tejas Dipak Mate	12th
6	Atish Anant Chapate	11th

7	Sahil Shakil Shaikh	11th
8	Dipak Rajendra Dumbare	11th
9	Umesh Malhari Makar	11th
10	Aditya Shivaj Kharate	11th
11	Akash Ashok Jolunke	12th
12	Sunil Manthan Gole	12th
13	Amish Chandrakant Sane	12th
14	Shivam Milind Gadade	12th
15	Yashraj Rajesh Nikam	12th
16	Mayur Arjun Ranavre	11th

SoftBALL BOYS (u-19)

Softball boys team got 2nd place in inter school District under 19 Championship.

1	Ronit Santosh Gupte	12th
2	Yash Milind Bartakke	12th
3	Pranav Pradip Pagare	12th
4	Rangaswami Shankar Naydu	12th
5	Tejas Dipak Mate	12th
6	Atish Anant Chapate	11th
7	Sahil Shakil Shaikh	11th
8	Dipak Rajendra Dumbare	11th
9	Umesh Malhari Makar	11th
10	Aditya Shivaji Katate	11th
11	Solunke Akash Ashok	12th
12	Gole Sunil Manthan	12th
13	Gadade Shivam Milind	12th
14	Sane Ashish Chandrakant	12th
15	Yashraj Rajendra Nikam	12th
16	Mayur Arjun Ranavare	12th

Basket BALL girls (u-19)

Basketball girls team got 2nd Place in the inter school District under 19 Championship

1	Kapse Mansi Vinayak	12th
2	Patwardhan Sonia Amit	11th
3	Shrotri Rama Vinayak	11th
4	Bhosle Sanskruti Vikram	11th
5	Deval Avanti Mahadeo	11th
6	Sonkamble Sanskruti Dhanpal	11th
7	Mrunal Sanjay Malekar	
8	Shreeya Sandeep Balkawde	

Badminton boys (u-19)

Badminton boys team got 2nd Place in the inter school District under 19 Championship

1	Tejas Deo	11th
2	Nikhil Kshrotri	11th
3	Shreenidhi Salunke	11th
4	Soham Navandar	11th
5	Shubham Deshmukh	11th

Rollball girls (u-19)

Rollball girls team got 2nd Place in the inter school District under 19 Championship

1	Anjali Kapoor	12th
2	WANKHEDE APURVA DNYANESHWAR	12th
3	PAWAR KANISHKA DILIP	12th
4	WARKHADE GAURI RAMNATH	12th
5	TOMAR KIRTI BISHANSING	12th

INDIVIDUAL ACHIEVEMENT 2016-17

National players

1	Vaishnavi Rajendra Chavhan	11 th	NATIONAL 1 ST PLACE held at softball
2	Kavita Laxman Rathod	11 th	NATIONAL 1 ST PLACE held at softball
3	Arti Sunil Bhalerav	11 th	NATIONAL Softball
4	Abhishek Ubhe		NATIONAL ATHELETICS
5	Shivam Shetty	11 th	NATIONAL TAIKWANDO
6	Divij Tekawde	11 th	NATIONAL Swimming
7	Pushkarni Bhattad	11 th	NATIONAL Carrom
8	Anjali Kapoor	12 th	NATIONAL Rollball
9	Vaishnavi Barke	11 th	NATIONAL Kickboxing
10	Pranali Benke	12 th	NATIONAL kho-kho
11	Sakshi Jadhav	11 th	NATIONAL Rockball 1 ST PLACE
12	Mayuri Nalage	11 th	NATIONAL Rockball 1 ST PLACE
13	Varsha Mahadik	11 th	NATIONAL Rockball 1 ST PLACE
14	Komal Gaikwad	11 th	NATIONAL Rockball 1 ST PLACE
15	Krishna Thombre	11 th	NATIONAL Football

Gayatri Bhagvan Nimhan	11	Soft ball 2 nd place
Priyanka Amar Kadu	11th	Soft ball 2 nd place
Rutuja Sunil Marle	12th	Soft ball 2 nd place
Arti Vitthal Ganange	12th	Soft ball 2 nd place
Pranita Rajendra Tayde	12th	Soft ball 2 nd place
Kirti Bipinshih Tomar	12th	Soft ball 2 nd place
Apurva Dnyaneshwar Vankhede	12th	Soft ball 2 nd place
Jagtap Aarya Hanumant	12th	Soft ball 2 nd place

Neha Sunil Chavhan	12th	Soft ball 2 nd place
Komal Hiranman Aakhade	12	Soft ball 2 nd place
Ruksar Sarwan	11th	Participation
Vaishnavi Nikam	11th	Participation
Sayali Bahirat	2th	Participation
Nikita Borude	11th	Participation
Harshada Magar	11th	Participation
Mayuri Nalage	11 th	Participation
Vaishnavi Patil	11 th	Participation

State level players 2016-17

SR. NO	NAME	EVENT	ROLL.NO	PLACE
1	Chaudhari Akash	Swimming	21079	3 RD
2	Chaudhari Akash	Kick-Boxing	21079	3 RD
3	Chaudhari Akash	Athletics	21079	3 RD
4	Dnyaneshwar Bhawar	Judo	21124	3 RD
5	Dnyaneshwar Bhawar	Kudo	21124	3 RD
6	Dnyaneshwar Bhawar	Thangta m.a	21124	1 st
7	Dnyaneshwar Bhawar	Woshu	21124	2 nd
8	Komal Gaikwad	Kick-Boxing	11011	1 st
9	Roshani Bhoir	Kick-Boxing		
10	Neela Kamble	Athletics	21125	3 rd
11	Bhairavi Tharwal	Athletics 400	21526	2 nd
12	Bhairavi Tharwal	Athletics 800	21526	2 nd
13	Snehal Bhise	Budo marshal	11051	1 st

Sports Scholarship 2016-17

Sr. No	Name	Game	Level	Class
1	Yusuf Khan	Kick Boxing	District	12th
2	Minakshi Shinde	Fencing	District	12th
3	Apurva Chavan	Fencing	District	12th
4	Manoj Khamkar	Netball	District	12th
5	Vivek Nagawade	Netball	District	12th
6	Sidhesh Uttarkar	Netball	District	12th
7	Akash Salunkhe	Netball	District	12th
8	Aniket taru	Netball	District	12th
9	Suyog Babar	Archery	District	12th
10	Aditya Jadhav	Fencing	State	12th
11	Tanaya Gokhale	Rope Mall	State	12th
12	Aboli Balwadkar	Fencing	State	12th
13	Suraj Vidhate	Boxing	State	12th

SPORTS - WINNER TEAMS



**Inter collegiate Softball
(M) Winner and
Baseball(M) 3rd Place
winner Team**

**Inter collegiate
Cricket(W) Winner
Team**



**Inter collegiate
Handball (W) Winner
Team**

**Inter collegiate
Volleyball(M) Winner
Team**



**Inter collegiate Volleyball
(W) Winner Team**

SPORTS - WINNER TEAMS



**Inter collegiate Baseball(W) and
Softball (W) Runner-up Team
Winner Team**

**Inter collegiate Hockey(M)
Winner Team**



**Inter collegiate Athletics Mens
Championship Winner Team**

Inter collegiate Netball (M)



**Inter collegiate
Basketball(W)
Runner-up Team**

**Inter collegiate Ball
Badminton (M) Runner-up
Team**



SPORTS - WINNER TEAMS



**Inter collegiate
Kho- Kho (W) 3rd
Place winner Team**

**Inter collegiate
Hockey(W) 3rd
Place winner Team**



**Inter collegiate
Badminton (W) 3rd
Place winner Team**

**Inter Zonal Korfball
Runner-up Team**



**Baseball-Girls team (Junior College)
1st Place- Inter school under 19
Championship
2nd Place-Inter Zonal Tournament**

**Sepaktakraw-Girls team (Junior College)
1st Place-Inter school District under 19 Championship
Selected for Inter Zonal Tournament
Selected for Inter State Championship**



SPORTS - WINNER TEAMS



Softball-Girls team (Junior College)

1st Place_Inter school under 19

Championship

Selected for Inter Zonal Tournament

1st Place in Zonals

Selected for Inter State Championship

2nd place in State Championship

Volleyball- Boys team (Junior College)

**2nd Place -Inter school District under
19 Championship**



Netball- Boys team (Junior College)

**1st Place-Inter school District under
19 Championship Selected for Inter
Zonal Tournament**

**Appreciation of the Team and Staff
by Principal Dr.R.S.Zunjarrao**

Basketball-Girls team (Junior College)

**2nd Place Inter school District under
19 Championship**



Rollball-Girls team (Junior College)

**2nd Place Inter school District under
19 Championship**

SPORTS - SENIOR COLLEGE

National And All India Inter University



Viraj Vinayk Dhokale
T.Y.Bsc. Comp.
Swimming



Paras Sunil Patil
FYBSc Comp.
Athletics



**Rashmi Rajendra
Kadam MA(1)**
Volleyball



Zala Zeenal
S.Y.B.Com,
Volleyball



**Sanjana Satish
Pawar** FYBA
Kabaddi



Sayali Ravindra Jagtap
SYBA
Kho Kho



Rupali Ajay Tripathi
S.Y.B.Sc
Basketball



Vedant Nitin Pimpalkhare
SYBCOM Chess



Simranjit Singh
F.Y.B.A
Squash



Sayali Anil Lonkar
TYBSC
Softball, Baseball, Cricket



Pooja prakash Shitole
TYBSc (C.S.) Handball,
Korfball, Netball,
Basketball



Vandana Ramesh Wankhade
T.Y.B.Com Korfball,
Handball Netball
Basketball



Aishwarya Sunil Bodke
FYBCOM Softball,
Baseball, Cricket



Ajiyanka Narsing Jadhav
FYBA
Hockey



Akash Kamble
FYBA
Hockey



Akshada Dashrath Mande
F.Y.Bcom Cycling
(Road), Cycling (Track),
Hockey, KHO-KHO



Amey Nitin Kalambe
SYBBA
Boxing



Aniket Balaso Gurav
FYBA
Hockey



Aniket Sandip Taru
SYBCOM
Korfball, Netball



Bhavna Satishrao Khade
FYBCOM Hockey

SPORTS - SENIOR COLLEGE

National And All India Inter University



Deepika Shantaram Jambukar
M.com-II Cycling
(Road), Cycling (Track)



Dnyaneshwari Vinayak Gandekar
TYBSC Netball,
Handball



Ganesh Mohan Patil
FYBA
Hockey



Gaurav Dasharath Phunde
FYBSC Handball, ball,
badmintion



Harshada Hemant Mate
SYBA Baseball,
Cricket, Softball



Harshadha Kirit Shroff
FYBCom
Thai Boxing, Boxing



Kanchan Tikamkar
MA II
weight lifting



Monali Mansing Natu
SYBA
Baseball, Softball,
Cricket



Nikhil Sankunny Nair
MCOM
Football



Pallavi Hanumant Pawar
SYBCOM Hockey,
Handball



Piyush Rajendra Changule
FYBCom
Ball badmintion,
Handball



Pooja Manoj Gholap
FYBCom
Baseball, Softball,
Cricket



Pragati Pandhari Banewar
FYBCom Hockey



Pranav Zarekar
M COM
Kho Kho



Radha Ghokhale
TYBA
Speed Sketing



Satish Mansing Patil
SYBA
Hockey



Sattyam Ramesh Mahadik
SYBSC
Handball ball,
badmintion, Korfball



Solankar Pragati Shirang
FYBA
lawn tennis



Sunil Vilas Rathod
FYBA
Hockey



Surabhi Ganesh Vedpathak
FYBSC
Athletics

SPORTS - SENIOR COLLEGE

National And All India Inter University



Suraj Eknath Vidhate
SYBA
Boxing



Tejal Sonawane
TYBA
Wrestling



Tushar Shashikant Jadhav
MA(1)
Volleyball



Utkarsha Vilas Deshpande
FYBA
Cricket, Baseball, Softball



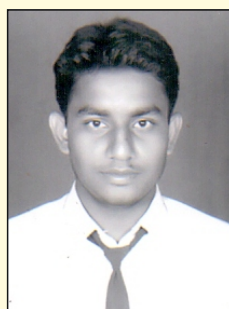
Vaibhav Sarjerao Bhor
S.Y.B.A. Cycling (Track)
Cycling (Road), Cycling
(Track), Hockey, ball
badminton



Vishal Dada Nale
TYBA
Ball badminton
Handball



Vishal Sarjerao Bhor
FYBBA
Hockey



Vishal Bhaduriya
TYBBA
Shooting



Ms. Pooja Kumre (F.Y.B.A.) Water Polo 21st SAAC Game
International Gold Medal, Colombo (2016-17)

SPORTS - JUNIOR COLLEGE

National And All India Inter University



Vaishnavi Rajendra Chavhan (XI)
Softball Nationals- 1st
place



Kavita Laxman Rathod (XI)
Softball Nationals- 1st
place



Samruddhi Mule (XI)
Under-17 Softball
National-3rd place



Arti Sunil Bhalerao (XI)
Under-17 Softball
National-3rd place



Abhishek Ubhe (XI)
Under 19 Athletics
National (110x4 Hurdle)-
3rd place



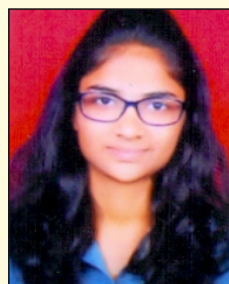
Shivam Shetty (XI)
Under 19 Taekwondo
National- 1st place



Divij Tekawde (XI)
Under 19 Swimming
National-3rd place



Pushkarni Bhattad (XI)
Under 19 Carrom
National-1st place



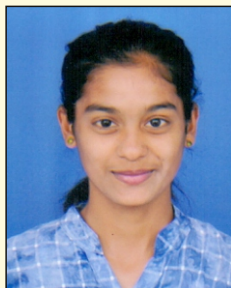
Anjali Kapoor (XI)
Under 19 Rollball
National-1st place



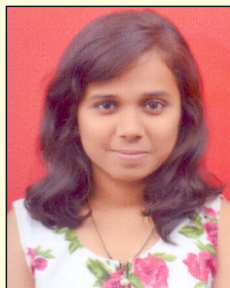
Vaishnavi Barke (XI)
Under 19 Kickboxing
National- 3rd place

SPORTS - JUNIOR COLLEGE

National And All India Inter University



**Gayatri Bhagvan
Nimhan(XI)**
Softball State Level -
2nd place



Priyanka Amar Kadu (XI)
Softball State Level -
2nd place



Rutuja Sunil Marle (XI)
Softball State Level -
2nd place



Arti Vitthal Ganage(XI)
Softball State Level -
2nd place



**Pranita Rajendra Tayde
(XI)**
Softball State Level -2nd
place



Kirti Bipinshih Tomar (XI)
Softball State Level -
2nd place



**Apurva Dnyaneshwar
Vankhede (XI)**
Softball State Level -
2nd place



**Jagtap Aarya Hanumant
(XI)**
Softball State Level -
2nd place



Neha Sunil Chavhan (XI)
Softball State Level -
2nd place



Ruksar Sarwan (XI)
Sepaktakraw Zonal Level -
Gold Medal
Participated in State Level



Vaishnavi Nikam (XI)
Sepaktakraw Zonal Level -
Gold Medal
Participated in State Level



Sayali Bahirat (XI)
Sepaktakraw Zonal Level -
Gold Medal
Participated in State Level



Nikita Borude (XI)
Sepaktakraw Zonal Level -
Gold Medal
Participated in State Level



Harshada Magar (XI)
Sepaktakraw Zonal Level -
Gold Medal
Participated in State Level



Ruksar Sarwan (XI)
Sepaktakraw Zonal Level -
Gold Medal
Participated in State Level

14	Harshal Kulkarni	Swimming	State	12th
15	Shubham Todkar	Weight Lifting	State	12th
16	Rohit Gaikwad	Volleyball	State	11th
17	Sumit Waghmode	Throw Ball	State	12th
18	Gaurav Dhere	Netball	State	12th
19	Samrudhi Dabhade	Fencing	State	12th
20	Suprabha Pujari	Lawn Tennis	National	12th
21	Suraj Anpat	Archery	National	12th
22	Amruta munj	Kayaking	National	12th

Prof. Dixit P.S. Chairman (G.M.C)	Prof. Bhondave S.S. Teacher in Physical Education	Prof. Kute D.S. Teacher in Physical Education
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Department of Physical Education (Senior Wing)

Our college has been awarded with “Best Sports College” for the academic year 2016-17. It also received the ‘Dr. Vasantrao Nivrutti Pawar’ trophy for the Second Consecutive Year. It is a really wonderful achievement of the department & the college.

Intercollegiate Participation

The Department participated in 29 Sports activities i.e. Badminton, Chess, Cross Country, Shooting, Swimming, Ball Badminton, Baseball, Basketball, Cricket, Cycling, wrestling, Kabaddi, Football, Handball, Volleyball, Hockey, Judo, Boxing, Softball, Power Lifting, Best Physique, Athletics, Kho-Kho, Lawn Tennis, Table Tennis, Fencing, Water Polo, Kayaking and Netball Competitions. Similarly the college participated in various Invitational Intercollegiate Competitions.

College has secured

1st Place in Softball (M), Cricket(W), Handball (W), Volleyball(M), Volleyball (W), Baseball(W), Hockey(M), Athletics Mens Championship, Netball (W), Netball (M), 2nd Place in Handball (M), Basketball(W) , Ball Badminton (M), Softball (W), Ball Badminton (W)

3rd Place in Cross Country(M), Kho-Kho(M), Kho- Kho (W), Hockey(W) Chess, Baseball(M),,, Badminton (W)

Details of the participation are as follows:

Level of Participation	Bronze	Silver	Gold	Medal Tally
Intercollegiate	46	40	58	144
Inter collegiate (Individual)	22	19	33	74
State/ Ashwamedh	3	5	10	18

Inter Zonal	2	41	42	85
West Zone	9	-	2	11
All India	3	-	-	3
National	1	1	2	4
International	-	-	1	1
Grand Total	86	106	148	340

Organization of Sports

- Inter zonal Cycling:** Inter zonal Cycling competition was organized by our college at Shiv Chhatrapati Stadium, Balewadi on 22nd and 23rd August 2016. Four teams from Pune University i.e. Pune City, Pune District, Ahmadnagar and Nashik participated in the track events. **Dr. Deepak Mane, Director of Sports, SPPU, Principal Dr. R.S. Zunjarrao & Mrs. Deepali Nikam, Cycling Coach** inaugurated the event.
- Inter zonal Hockey:** Inter zonal Hockey Mens competition was organized on 13 & 14th December 2016 at the Major Dhyanand Stadium Nehrunagar, Pimpri Chinchwad. The tournament was inaugurated at the hands of our Principal Dr. R.S. Zunjarrao. Four teams from Pune University i.e. Pune City, Pune District, Ahmadnagar and Nashik participated.
- Inter Collegiate Softball (M/W)** Intercollegiate softball (M/W) event was organized on 26th and 27th December 2016 at the S. P. College Ground. Various teams from Pune City participated in this event. Principal Dr. Rajendra Zunjarrao inaugurated the event.
- Inter Collegiate Korfball (M/W)** Intercollegiate Korfball (M/W) event was organized on 26th and 27th December 2016 at the College Ground. Various teams from Pune City participated in this event. Principal Dr. Rajendra Zunjarrao inaugurated the event.
- Inter Collegiate Netball (M/W)** Intercollegiate Netball (M/W) event was organized on 1st December 2016 at the College Ground. Various teams from Pune City participated in this event. Principal Dr. Rajendra Zunjarrao inaugurated the event.

Sports Scholarship

The following National players received the Sports Scholarship for this academic year. The Sports Scholarship is awarded by the college.

Sr. No.	Name of the student		Class	Level	Game
1	Sayali Anil Lonkar	W	T.Y.B.Sc.	National	Cricket
2	Vishal Bhadouriya	M	T.Y.B.Com.	National	Shooting

3	Madhuri Bhagwan Gherade	W	S.Y.B.A.	National	Judo
4	Pallavi Hanumant Pawar	W	S.Y.B.Com.	National	Hockey
5	Tejal Sonawane	W	T.Y.B.A.	National	Wrestling
6	Dnyaneshwari Vinayak Gandekar	W	T.Y.B.SC.	National	Netball
7	Neha Rajendra Lonari	W	T.Y.B.SC.	National	Netball
8	Pooja Prakash Shitole	W	T.Y.B.SC.	National	Netball
9	Zeenal Mahendra Zala	W	S.Y.B.Com	National	Volleyball
10	Pooja Sahebrao Cherle	W	S.Y.B.Com.	National	Judo
11	Vaishnavi Manohar Joshi	W	T.Y.B.Com.	National	Judo
12	Pujari Suprabha Ramdas	W	S.Y.B.A.	National	Lawn Tennis
13	Bhavna Satishrao Khade	W	F.Y.B.Com.	National	Hockey
14	Pooja Bhuma Kumre	W	F.Y.B.A	International	Water Polo
15	Pragati Pandhari Banewar	W	F.Y.B.Com.	National	Hockey
16	Sunil Vilas Rathod	M	F.Y.B.A.	National	Hockey
17	Aniket Balaso Gurav	M	F.Y.B.A.	National	Hockey
18	Ganesh Mohan Patil	M	F.Y.B.A.	National	Hockey
19	Satish Mansing Patil	M	S.Y.B.A.	National	Hockey
20	Ajiyanka Narsing Jadhav	M	F.Y.B.A.	National	Hockey
21	Nikita Gangadhar Jadhav	W	F.Y.B.Com.	National	Athletics
22	Vaibhav Sarjerao Bhor	M	S.Y.B.A	National	Cycling
23	Vidhate Suraj Eknath	M	S.Y.B.A.	National	Boxing
24	Kanchan Tikamkar	W	MA II Eco	National	Weight Lifting

25	Deepika Shantaram Jambukar	W	M.com-II	National	Cycling
26	Vishal Dada Nale	M	T.Y.B.A.	National	Ball Badminton
27	Vandana Ramesh Wankhade	W	S.Y.B.Com	National	Handball
28	Akash Bharat Zambre	M	MA	National	Handball
29	Rupali Ajay Tripathi	W	S.Y.B.Sc	National	Basketball
30	Daundkar Shamrao Nathu	M	MA(Eng)	National	Athletics
31	Viraj Vinayk Dhokale	M	S.Y.B.Sc.	National	Swimming
32	Minakhi Balasaheb Shinde	W	SYBCA	National	Fencing
33	Simranjit Singh	M	F.Y.B.A	National	Squash
34	Vishal Sarjerao Bhor	M	FYBBA	State	Hockey

Annual Prize Distribution "Gymkhana Day"

Annual Prize distribution i.e. "Gymkhana Day" was celebrated on 26th April 2017. **Hon. Vice-Chancellor Dr. Vasudeo Gade, Savitribai Phule Pune University** was invited as a Chief guest, Dr Datta Mahadm, Assistant Director of Sports SPPU. Dr. Gajanan Ekbote, Chairman, P. E. Society, presided over the function, Prof. Shamkant Deshmukh, Secretary, P .E. Society, Prof. Jyotsna Ekbote Joint Secretary, P. E. Society, were present as Guests of honour.

The following students received prizes

Inter National, National and University Level Performance:

International Level

1	Pooja Bhuma Kumre	F.Y.B.A	Water polo	International	Gold
			Swimming	Inter Inter Zonal	1 st
			Hockey	Inter Collegiate	3 rd

National and All India Inter University level

1	Viraj Vinayk Dhokale	T.Y.B.Sc. Comp.	Swimming	All India Inter University	2 Bronze
				National	Participation
				State	3 Gold
2	Paras Sunil Patil	F.Y.B.Sc. Comp.	Athletics	KM	Gold
				National	Gold
				State	Gold
				Inter Inter Zonal	Gold
				Inter Collegiate	5 gold

3	Rashmi Rajendra Kadam	MA(1)	Volleyball	All India Inter University	Participation
				KM	Gold
				WZ	Participation
				Inter Inter Zonal	1 st
				Inter Collegiate	1 st
4	Zala Zeenal	S.Y.B.Com	Volleyball	All India Inter University	Participation
				KM	Gold
				Inter Inter Zonal	1 st
				Inter Collegiate	1 st
5	Sanjana Satish Pawar	F.Y.B.A.	Kabaddi	All India Inter University	Participation
				WZ	4 th
				Inter Inter Zonal	1 st
6	Sayali Ravindra Jagtap	S.Y.B.A.	Kho Kho	All India Inter University	Participation
				KM	Bronze
				WZ	Bronze
7	Rupali Ajay Tripathi	S.Y.B.Sc	Basketball	KM	Gold
				National	Participation
				State	Bronze
				Inter Inter Zonal	1 st
				Inter Collegiate	2 nd
8	Vedant Nitin Pimpalkhare	S.Y.B.Com	Chess	All India Inter University	1 st
				WZ	Gold
				Inter Inter Zonal	2 nd
				Inter Collegiate	2 nd
9	Simranjit Singh	F.Y.B.A	Squash	All India Inter University	Participation
		F.Y.B.A	Squash	National	Participation
10	Sayali Anil Lonkar	T.Y.B.SC.	Softball	All India Inter University	Participation
				Inter Inter Zonal	1 st
				Inter Collegiate	2 nd
			Baseball	All India Inter University	Participation
				Inter Inter Zonal	1 st
				Inter Collegiate	1 st
			Cricket	All India Inter University	Participation
				Inter Inter Zonal	1 st
				Inter Collegiate	1 st
11	Pooja prakash Shitole	T.Y.B.Sc. (C.S.)	Handball	All India Inter University	Participation
				Inter Inter Zonal	2 nd
				Inter Collegiate	Participation
			Korfball	All India Inter University	Participation
				Inter Inter Zonal	1 st

			Netball	Inter Collegiate	1 st
				All India Inter University	Participation
				Inter Inter Zonal	1 st
				Inter Collegiate	1 st
12	Vandana Ramesh Wankhade	T.Y.B.Com	Korfball	All India Inter University	Participation
				Inter Inter Zonal	2 nd
				Inter Collegiate	Participation
			Handball	All India Inter University	Participation
				Inter Inter Zonal	1 st
				Inter Collegiate	1 st
			Netball	All India Inter University	Participation
				Inter Inter Zonal	1 st
				Inter Collegiate	1 st
			Basketball	Inter Collegiate	2 nd
13	Aishwarya Sunil Bodke	F.Y.B.Com.	Softball	All India Inter University	Participation
				Inter Inter Zonal	1 st
				Inter Collegiate	2 nd
			Baseball	Inter Collegiate	1 st
			Cricket	Inter Inter Zonal	1 st
				Inter collegiate	1 st
14	Ajiyanka Narsing Jadhav	F.Y.B.A.	Hockey	All India Inter University	Participation
				WZ	Bronze
				Inter Inter Zonal	2 nd
				Inter Collegiate	1 st
15	Akash Kamble	F.Y.B.A.	Hockey	All India Inter University	Participation
				WZ	Bronze
				Inter Inter Zonal	2 nd
				Inter Collegiate	1 st
16	Akshada Dashrath Mande	F.Y.Bcom	Cycling (Road)	All India Inter University	Participation
				Inter Inter Zonal	1 st
				Inter Collegiate	2 nd
			Cycling (Track)	All India Inter University	Participation
				National	Participation
			Hockey	Inter Collegiate	3 rd
			KHO-KHO	Inter Collegiate	3 rd
17	Amey Nitin Kalambe	SYBBA	Boxing	All India Inter University	Participation
18	Aniket Balaso Gurav	F.Y.B.A.	Hockey	All India Inter University	Participation
				WZ	Bronze
				Inter Inter Zonal	2 nd
				Inter Collegiate	1 st

19	Aniket Sandip Taru	S.Y.B.Com.	Korfball	All India Inter University	Participation
				Inter Inter Zonal	2 nd
				Inter Collegiate	Participation
20	Bhavna Satishrao Khade	F.Y.B.Com.	Hockey	Inter Inter Zonal	Participation
				Inter Collegiate	1st
				All India Inter University	Participation
21	Deepika Shantaram Jambukar	M.com-II	Cycling (Road)	National	Participation
				Inter Inter Zonal	1st
				Inter Collegiate	1st
22	Dnyaneshwari Vinayak Gandekar	T.Y.B.Sc.	Cycling (Track)	Inter Inter Zonal	Participation
				All India Inter University	Participation
				Inter Collegiate	1st
23	Ganesh Mohan Patil	F.Y.B.A.	Hockey	All India Inter University	Participation
				WZ	Bronze
				Inter Inter Zonal	2nd
24	Gaurav Dasharath Phunde	F.Y.B.Sc.	Handball	Inter Collegiate	1st
				All India Inter University	Participation
				State	Participation
25	Harshada Hemant Mate	S.Y.B.A.	Baseball	Inter Inter Zonal	1st
				Inter Collegiate	1st
				Cricket	1st
26	Harshadha Kirit Shroff	F.Y.B.Com.	Softball	Inter Collegiate	2nd
				Thai Boxing	National
				Boxing	Gold
27	Kanchan Tikamkar	MA II	weight lifting	Inter Inter Zonal	Participation
				Inter Collegiate	Participation
				National	Bronze
28	Monali Mansing Natu	S.Y.B.A.	Baseball	State	Silver
				All India Inter University	Participation
				Inter Inter Zonal	1st

				Inter Collegiate	1st
				All India Inter University	Participation
				Inter Inter Zonal	1st
29	Nikhil Sankunni Nair	MCOM	Softball	Inter Collegiate	2nd
				Cricket	1st
				Inter Inter Zonal	1st
30	Pallavi Hanumant Pawar	S.Y.B.Com.	Hockey	Inter Collegiate	1st
				All India Inter University	Participation
				Inter Inter Zonal	1st
31	Piyush Rajendra Changule	F.Y.B.Com.	Handball	Inter Collegiate	3rd
				Inter Collegiate	1st
				Ball badminton	1st
32	Pooja Manoj Gholap	F.Y.B.Com.	Baseball	Inter Inter Zonal	2nd
				Inter Collegiate	2nd
				Softball	2nd
33	Pragati Pandhari Banewar	F.Y.B.Com.	Hockey	Cricket	1st
				All India Inter University	Participation
				National	Participation
34	Pranav Zarekar	M COM	Kho Kho	WZ	Participation
				Inter Inter Zonal	1st
				Inter Collegiate	3 rd
35	Radha Ghokhale	T.Y.B.A.	Speed Skeeting	All India Inter University	Participation
				KM	Participation
				WZ	3 rd
36	Satish Mansing Patil	S.Y.B.A.	Hockey	Inter Inter Zonal	1st
				Inter Collegiate	3 rd
				All India Inter University	Participation
37	Sattyam Ramesh Mahadik	S.Y.B.SC.	Handball	WZ	Bronze
				Inter Inter Zonal	2nd
				Inter Collegiate	1st
				All India Inter University	Participation
				State	Participation
				Inter Inter Zonal	1st
				Inter Collegiate	2nd
				Inter Inter Zonal	1st
				Inter Collegiate	2nd

			Ball Badmint	Inter Collegiate	2 nd
			Korfball	Inter Inter Zonal	2 nd
				Inter Collegiate	Participation
38	Solankar Pragati Shirang	F.Y.B.A.	Lawn Tennis	All India Inter University	Participation
39	Sunil Vilas Rathod	F.Y.B.A.	Hockey	All India Inter University	Participation
				WZ	Bronze
				Inter Inter Zonal	2 nd
				Inter Collegiate	1st
40	Surabhi Ganesh Vedpathak	F.Y.B.SC.	Athletics	All India Inter University	Participation
				National	Participation
				State	Gold
				WZ	Gold
				Inter Inter Zonal	Gold
				Inter Collegiate	Gold
41	Suraj Eknath Vidhate	S.Y.B.A.	Boxing	All India Inter University	Participation
				Inter Inter Zonal	Gold
				Inter Collegiate	Gold
42	Tejal sonawane	T.Y.B.A.	Wrestling	National	Participation
				State	3rd
				Inter Inter Zonal	2nd
43	Tushar Shashikant Jadhav	MA(1)	Volleyball	All India Inter University	Participation
44	Utkarsha Vilas Deshpande	F.Y.B.A.	Cricket	All India Inter University	3rd
				Inter Inter Zonal	1st
				Inter Collegiate	1st
			Baseball	Inter Collegiate	1st
			Softball	Inter Collegiate	2nd
45	Vaibhav Sarjerao Bhor	S.Y.B.A	Cycling (Track)	All India Inter University	Participation
				Inter Inter Zonal	Participation
			Cycling (Road)	All India Inter University	Participation
			Cycling (Track)	State	Participation
				Inter Inter Zonal	Participation
				Inter Collegiate	Participation
			Hockey	Inter Collegiate	1st
			Ball Badminton	Inter Collegiate	2nd
46	Vishal Dada Nale	T.Y.B.A.	Ball Badminton	All India Inter University	Participation
				State	2nd
				Inter Inter Zonal	1st
				Inter Collegiate	2nd
			Handball	Inter Collegiate	2nd

47	Vishal Sarjerao Bhor	FYBBA	Hockey	All India Inter University	Participation
				WZ	Bronze
				Inter Inter Zonal	2nd
				Inter Collegiate	1st
State and Zonal Level					
1	Malwade Samarth Digambar	MCOM	Athletics	State	Participation
2	Mayur Makarand Gokhale	F.Y.B.SC.	Softball	State	Participation
			Baseball	Inter Collegiate	3rd
			Softball	Inter Collegiate	2nd
3	Nikita Gangadhar Jadhav	F.Y.B.Com.	Athletics	State	2nd
			Hockey	Inter Inter Zonal	2nd
				Inter Collegiate	3rd
4	Nitesh Shankarlak Gupta	S.Y.B.Com.	Ball Badminton	State	Participation
				Inter Inter Zonal	1 st
				Inter Collegiate	2 nd
5	Shamrao Daundkar	MA(Eng)	Athletics	State	Gold
			Kho-Kho	Inter Collegiate	3 rd
			Athletics	National	Participation
6	Siddhesh Sanjay Chinchkar	F.Y.B.A.	Softball	State	Participation
			Baseball	Inter Collegiate	3rd
7	Ajinkya Jaykar Shinde	F.Y.B.Com.	Baseball	Inter Collegiate	3rd
			Softball	State	Participation
8	Harshal Girish Kulkarni	F.Y.B.A	Water Polo	State	Silver
				Inter Inter Zonal	1 st
9	Hrishikaeh Sandip Thite	F.Y.B.Com.	Softball	State	Participation
				Inter Collegiate	2 nd
			Baseball	Inter Collegiate	3rd
10	Madhuri Bhagwan Gherade	S.Y.B.A.	Judo	State	Silver
				Inter Inter Zonal	2nd
			Hockey	Inter Collegiate	3rd
11	Abhishak Swamy	S.Y.B.Com.	Hockey	Inter Inter Zonal	2nd
12	Adeshwar Sunil Bafna	F.Y.B.Com.	Netball	Inter Collegiate	1st
		F.Y.B.Com.	Korfball	Inter Inter Zonal	2nd
13	Akash Popat Kasbe	F.Y.B.A.	Softball	Inter Inter Zonal	2nd
				Inter Collegiate	1st
			Baseball	Inter collegiate	3rd
14	Akshay Tukaram Sathe	F.Y.B.A.	Baseball	Inter collegiate	3rd
		F.Y.B.A.	Softball	Inter Inter Zonal	2nd
				Inter Collegiate	2nd
			Baseball	Inter Collegiate	3rd
15	Amruta Balasaheb Tribhuvan	F.Y.B.A.	Ball Badminton	Inter Inter Zonal	Participation
				Inter collegiate	
			Volleyball	Inter collegiate	1 st
16	Amruta Sachin Munj	D.C	Kayaking	Inter Inter Zonal	Participation
17	Aniket Vitthal	M A 1st	Softball	Inter Inter	2 nd

	Gunjal			Zonal	
				Inter Collegiate	2 nd
			Baseball	Inter Inter Zonal	3 rd
				Inter Collegiate	3 rd
18	Ankita Anil Wanjape	F.Y.B.Com.	Handball	Inter Collegiate	1 st
			Korfball	Inter Inter Zonal	2 nd
19	Arbaj Mazhar Shekh	F.Y.B.A.	Softball	Inter Inter Zonal	2 nd
				State	Participation
			Baseball	Inter Inter Zonal	
				Inter Collegiate	
20	Bhagwan Pawar	F.Y.B.Sc.	Hockey	Inter Inter Zonal	2 nd
21	Brijesh Lakshman Palande	F.Y.B.A.	Korfball	Inter Inter Zonal	2 nd
			Netball	Inter Inter Zonal	Participation
			Volleyball	Inter Collegiate	1 st
22	Dhruva Vipul Gidh	F.Y.B.Com.	Handball	Inter Collegiate	1 st
			Korfball	Inter Inter Zonal	2 nd
23	Gaurav Sunil Nahar	F.Y.B.Com.	Korfball	Inter Inter Zonal	2 nd
			Basketball	Inter Collegiate	Participation
			Netball	Inter Collegiate	1 st
24	Gidh Dhruva Vipul	FYBOM	Korfball	Inter Inter Zonal	2 nd
24	Harshad Hindurao Harugude	T.Y.B.Sc.	Handball	Inter Inter Zonal	1 st
26	Janhavi Prashant Poman	F.Y.B.Com.	Korfball	Inter Inter Zonal	2 nd
			Handball	Inter Collegiate	1 st
			Ball Badminton	Inter Collegiate	2 nd
			Netball	Inter Collegiate	1 st
27	Kalyani Kiran Panse	T.Y.B.Com.	Cricket	Inter Inter Zonal	1 st
				Inter collegiate	1 st
28	Kiran Shyam Boyane	S.Y.Bcom	Cycling	Inter Inter Zonal	Participation
29	Komal Narayan Waghule	MCOM (2)	Handball	Inter Inter Zonal	1 st
				Inter Collegiate	2 nd
			Basketball	Inter Collegiate	2 nd
30	Krishna Joginder Singh	FYBCS	Korfball	Inter Inter Zonal	2 nd
				Inter Collegiate	Participation
			Netball	Inter Inter Zonal	3 st
				Inter Collegiate	1 st
			Basketball	Inter Collegiate	
31	Mangesh Khandagle	S.Y.B.A.	Judo	Inter Inter Zonal	Participation
				Inter Collegiate	1 st
			Cross Country	Inter Collegiate	3 rd
32	Manoj Maruti Khamkar	S.Y.B.A.	Korfball	Inter Inter Zonal	2 nd

33	Mansi Anil Limbore	F.Y.B.Sc.	Korfball	Inter Inter Zonal	2 nd
				Inter Collegiate	
34	Minakshi Balasaheb Shinde	SYBCA	Fencing	Inter Inter Zonal	Participation
35	Mrunal Ganesh Kulkarni	F.Y.B.Com.	Korfball	Inter Inter Zonal	2 nd
				Inter Collegiate	1 st
			Ball Badminton	Inter Collegiate	2 nd
			Netball	Inter Collegiate	2 nd
36	Neha Rajendra Lonari	T.Y.B.Sc.	Korfball	Inter Inter Zonal	2 nd
				Inter Collegiate	
			Netball	Inter Inter Zonal	1 st
				Inter Collegiate	
37	Netra Bongale	F.Y.B.A.	Ball Badminton	Inter Inter Zonal	Participation
38	Omkar Kailas Khedkar	FYBCA	Powerlifting	Inter Inter Zonal	2 nd
39	Omprakash Pandit Bansode	F.Y.B.Sc.	Handball	Inter Inter Zonal	1 st
				Inter Collegiate	
40	Prajakata Prakash Dumbare	S.Y.B.Com.	Cricket	Inter Inter Zonal	1 st
				Inter Collegiate	1 st
			Softball	Inter Collegiate	2 nd
			Baseball	Inter Collegiate	1 st
41	Prathamesh Ravindra Chothe	F.Y.B.Com.	Netball	Inter Inter Zonal	2 nd
			Netball	Inter Collegiate	3 rd
			Kho-Kho	Inter Collegiate	3 rd
42	Priyanka Avinash Gaikwad	F.Y.B.A.	Cricket	Inter Inter Zonal	1 st
				Inter Collegiate	1 st
			Baseball	Inter Collegiate	1 st
43	Pujari Suprabha Ramdas	S.Y.B.A.	Lawn Tennis	Inter Inter Zonal	Participation
				Inter Collegiate	4 th
44	Rakesh Kisan Rengade	S.Y.B.Com.	Korfball	Inter Inter Zonal	2 nd
				Inter Collegiate	
45	Sagar Bhaurao Jathar	M Sc	Softball	Inter Inter Zonal	2 nd
				Inter Collegiate	
			Baseball	Inter Inter Zonal	Participation
				Inter Collegiate	Participation
46	Samarth Hemant Honrao	F.Y.B.Com.	Netball	Inter Inter Zonal	Participation
				Inter Collegiate	Participation
47	Shubham Dayanand Jagtap	F.Y.Bcs	Powerlifting	Inter Inter Zonal	Participation
			Best Physique	Inter Inter Zonal	Participation
			Powerlifting	Inter Collegiate	Participation
			Best Physique	Inter Collegiate	Participation

48	Shweta Sachin Munj	M.com	Kayaking	Inter Inter Zonal	Participation
49	Siddhivinayak Ashok Mate	FYBCS	Weightlifting	Inter Inter Zonal	Participation
				Inter Collegiate	1st
			Powerlifting	Inter Inter Zonal	Participation
				Inter collegiate	2nd
50	Vaishnavi Manohar Joshi	T.Y.B.Com.	Judo	Inter Inter Zonal	2nd
				Inter Collegiate	
			Hockey	Inter Collegiate	3rd
51	Vivek Dattatraya Nagawade	S.Y.B.SC.	Korfball	Inter Inter Zonal	2nd
				Inter Collegiate	
			Netball	Inter Inter Zonal	Participation
				Inter Collegiate	
52	Yash Kamaljit Thakur	F.Y.B.Com.	Hockey	Inter Inter Zonal	2nd
				Inter Collegiate	
53	Yugandhara Sanjay Dakhole	S.Y.Bcs	Ball Badminton	Inter Inter Zonal	Participation
54	Pooja Sahebrao Cherle	S.Y.B.Com.	Judo	Inter Inter Zonal	2nd
				Inter Collegiate	
			Hockey	Inter Collegiate	3rd
Inter Collegiate Level					
1	Aatish Janardhan Kamble	FYBBA	Cross Country	Inter Collegiate	3rd
2	Abhijit Kisan Sontakke	S.Y.B.SC.	Volleyball	Inter Collegiate	1st
3	Abhishek Vinayak Keskar	S.Y.B.Com.	Chess	Inter Collegiate	3rd
4	Ajay Vishnu Raut	S.Y.B.Sc.	Cross Country	Inter Collegiate	3rd
5	Akash Bharat Zambre	MA	Ball Badminton	Inter Collegiate	2nd
		MA	Handball	Inter Collegiate	2nd
6	Akshak Bhagvan Harugade	F.Y.B.A.	Handball	Inter Collegiate	2nd
		F.Y.B.SC.	Volleyball	Inter Collegiate	1st
7	Akshay Pratap Rajput	F.Y.B.Com.	Hockey	Inter Collegiate	1st
8	Amar Jadhav	T.Y.B.A.	Kho-Kho	Inter Collegiate	3rd
9	Ambawane Asha Govind	S.Y.B.COM	KHO-KHO	Inter Collegiate	3rd
10	Amey Nitin Kalambe	S.Y.B.B.A.	Cross Country	Inter Collegiate	3rd
11	Amit Savata Tilekar	S.Y.B.Sc.	Cross Country	Inter Collegiate	3rd
		T.Y.B.SC.	Kho-Kho	Inter Collegiate	3rd
12	Amruta Dilip Bhujbal	F.Y.B.SC.(C S)	Kho-Kho	Inter Collegiate	3rd
13	Aniket Surendra Kharat	F.Y.B.A.	Baseball	Inter Collegiate	3rd
			Softball	Inter Collegiate	2nd

14	Aniket Umesh Bansode	S.Y.B.A.	Cross Country	Inter Collegiate	3rd
15	Aniruddha Sanjay Pawar	F.Y.B.Com.	Basketball	Inter Collegiate	2nd
16	Ankita Ramakant Gauli	F.Y.B.A.	Hockey	Inter Collegiate	3rd
17	Ashish Jalinder Waghmae	F.Y.B.Com.	Baseball	Inter Collegiate	3rd
		F.Y.B.Com.	Softball	Inter Collegiate	2nd
18	Ashish Tonde	F.Y.B.Com.	Kho-Kho	Inter Collegiate	3rd
19	Ashwarya Pravin Rupnar	F.Y.Bcom	Badminton	Inter Collegiate	3rd
20	Atul Ashok Dulgach	F.Y.B.A.	Volleyball	Inter Collegiate	1st
21	Balaji Netaji Warudkar	S.Y.B.Sc.	Cross Country	Inter Collegiate	3rd
			Volleyball	Inter Collegiate	1st
22	Chinmay Mayur Kshirsagar	F.Y.B.Com.	Netball	Inter Collegiate	1st
23	Dashrath Mahadev Waghole	MA(1)	Volleyball	Inter Collegiate	1st
24	Dinesh Navnath Kshirsagar	F.Y.B.Com.	Handball	Inter Collegiate	2nd
25	Gauri Charudatta Nimbalkar	T.Y.B.Com	Volleyball	Inter Collegiate	1st
26	Gaytri Ashok Sakare	T.Y.B.A.	Softball	Inter Collegiate	2nd
27	Gopal Raghunath Navghare	F.Y.B.SC.	Baseball	Inter Collegiate	3rd
			Softball	Inter Collegiate	2nd
			Volleyball	Inter Collegiate	1st
28	Himani Dinkar Borhade	S.Y.B.COM	Kho-Kho	Inter Collegiate	3rd
29	Hrshikesh Ramchandra Bhagat	T.Y.B.COM	Ball Badminton	Inter Collegiate	2nd
30	Kanchan Dipakrao Khadse	M.Sc (1)	Volleyball	Inter Collegiate	1st
31	Karan Jagdish Anantpure	F.Y.B.Sc.	Kho-Kho	Inter Collegiate	3rd
32	Ketaki Satishkumar Gunthe	F.Y.B.Com.	Ball Badminton	Inter Collegiate	2nd
		F.Y.B.Com.	Badminton	Inter Collegiate	3rd
33	Kunal Sonawane	S.Y.B.Com.	Hockey	Inter Collegiate	1st
34	Maheshwari Ravi Takle	F.Y.B.COM	Kho-Kho	Inter Collegiate	3rd
35	Manjiri Ramesh Suryawanshi	MA(1)	Volleyball	Inter Collegiate	1st
36	Manmita Gangadhar Kulkarni	T.Y.B.A.	Basketball	Inter Collegiate	2nd
37	Mayur Jagdish Deshpande		Kho-Kho	Inter Collegiate	3rd
38	Neeraja	S.Y.B.A.	Volleyball	Inter Collegiate	1st

	Kailash Mehendale				
39	Neha Vivek Gadre	F.Y.B.A.	Baseball	Inter Collegiate	1st
			Cricket	Inter Collegiate	1st
			Softball	Inter Collegiate	2nd
40	Netra Rajashree Bongale		Badminton	Inter Collegiate	3rd
41	Nikhil Babar	FYBBA	Kho-Kho	Inter Collegiate	3rd
42	Nilesh Dnyanoba Pawar	S.Y.B.SC.	Athletics	Inter Collegiate	1st
43	Niraj Shrinath Palekar	S.Y.B.Com.	Volleyball	Inter Collegiate	1st
44	Nishigandha Nitin Joshi	TYBCA	Volleyball	Inter Collegiate	1st
45	Nivaj baddap	F.Y.B.Com.	Hockey	Inter Collegiate	1st
46	Nivedini Gawali	M.Sc (1)	Basketball	Inter Collegiate	2nd
47	Omkar Dede	F.Y.B.A.	Hockey	Inter Collegiate	1st
48	Omkar Jitendra Khegikar	F.Y.B.Com.	Handball	Inter Collegiate	2nd
49	Omkar Ramchandra Pardeshi	F.Y.B.SC.	Baseball	Inter Collegiate	3rd
			Softball	Inter Collegiate	2nd
50	Omkar Sanjay Patki	F.Y.B.Com.	Baseball	Inter Collegiate	3rd
51	Pardeep Bijendar Kumar	MA	Athletics	Inter Collegiate	1st
52	Pooja Bishansingh Tomar	S.Y.B.Sc.	Kho-Kho	Inter Collegiate	3rd
53	Pooja Sanjay Zarad		Ball Badminton	Inter Collegiate	2nd
54	Pooja Santaram Kolape	S.Y.B.SC.	Cricket	Inter Collegiate	1st
55	Prathamesh Laxman Deokar	S.Y.B.Com.	Volleyball	Inter Collegiate	1st
56	Pratik Mohan Sonawane	S.Y.B.Com.	Volleyball	Inter Collegiate	1st
57	Renuka Subhash Borade	T.Y.B.Com.	Handball	Inter Collegiate	1st
58	Roma santosh shinde	S.Y.B.COM	Kho-Kho	Inter Collegiate	3rd
59	Ruchika More	F.Y.B.Sc	Basketball	Inter Collegiate	2nd
			Handball	Inter Collegiate	1st
60	Rushikesh Mohan Moynak	T.Y.B.SC.	Baseball	Inter Collegiate	3rd
			Softball	Inter Collegiate	2nd
61	Saddam Imam Khanbhai	MCOM	Netball	Inter Collegiate	1st
62	Sadikot Idrish	S.Y.B.SC.	Handball	Inter Collegiate	2nd
63	Sagar Shankar Dongare	F.Y.B.Com.	Handball	Inter Collegiate	2nd

64	Sanket Pralhad Parande	F.Y.B.SC.	Volleyball	Inter Collegiate	1st
65	Saurabh Vinod Parmar	T.Y.B.Sc.	Chess	Inter Collegiate	3rd
66	Shivprasad Patil		Hockey	Inter Collegiate	1st
67	Shivtej Sudam Nandedkar	F.Y.B.Com.	Baseball	Inter Collegiate	3rd
			Softball	Inter Collegiate	2nd
68	Shreyas Prafulla Dhase	F.Y.B.SC.	Chess	Inter Collegiate	3rd
69	Shrutika Vijay Wakhare	T.Y.B.A.	Cricket	Inter Collegiate	1st
			Softball	Inter Collegiate	2nd
70	Shubhadha Nandkumar Malusare	F.Y.B.A.	Hockey	Inter Collegiate	3rd
71	Shubham Chintaman Bavisakar	FYBBA	Chess	Inter Collegiate	3rd
72	Shubhangi Kamlesh Dhumal	S.Y.B.Com.	Baseball	Inter Collegiate	1st
			Cricket	Inter Collegiate	1st
73	Shubhangi Shankar Shubhedar	F.Y.B.com	Kho-Kho	Inter Collegiate	3rd
74	Siddharth Vikas Kawade	F.Y.B.A.	Softball	Inter Collegiate	3rd
75	Smit Janaji Bhudhavle	F.Y.B.Com.	Kho-Kho	Inter Collegiate	3rd
76	Snehal Rajshekhar Sadalage	F.Y.B.Sc.	Ball Badminton	Inter Collegiate	2nd
77	Sohesh Rajendra Almale	F.Y.B.Com.	Softball	Inter Collegiate	2nd
78	Sonali Kailas Palave	T.Y.B.Com.	Netball	Inter Collegiate	1st
79	Sourabh Rangrao Jadhav	F.Y.B.Com.	Kho-Kho	Inter Collegiate	3rd
80	Supriya Sunil Gore	S.Y.B.Com.	Netball	Inter Collegiate	1st
81	Swapnil Balkrishna Shelke	S.Y.B.Sc	Cross Country	Inter Collegiate	3rd
82	Tejashri Dashrath Bandgar	T.Y.B.A.	Volleyball	Inter Collegiate	1st
83	Vaibhav Kiran More	F.Y.B.Sc.	Kho-Kho	Inter Collegiate	3rd
84	Vaidehi Dixit	T.Y.B.COM	Ball Badminton	Inter Collegiate	2nd
85	Varsha Dattatray Dabhade	S.Y.B.COM	Kho-Kho	Inter Collegiate	3rd
86	Varsha Deshpande	S.Y.B.Com.	Kho-Kho	Inter Collegiate	3rd
87	Vijay Satvaji Kamble	T.Y.Bcom	Cross Country	Inter Collegiate	3rd
88	Vishwanath Vijay Patil	F.Y.B.A.	Handball	Inter Collegiate	2nd
89	Vrushali Gawari	S.Y.B.Sc.	Ball Badminton	Inter Collegiate	2nd

90	Vrushali vijay Gorkhe	S.Y.B.COM	Kho-Kho	Inter Collegiate	3 rd
91	Yogesh Vitkar	MA-I	Hockey	Inter Collegiate	1st
92	Yogita Vijay Salve	S.Y.Bca	Badminton	Inter Collegiate	3 rd
93	Yusuf Jahangir Khan	S.Y.B.A.	Hockey	Inter Collegiate	1st

Interclass Competitions

Interclass competitions for the promotion of the games and entertainment were organized from 21 to 27 January 2017. Football, Basketball, Volleyball, Badminton, Table Tennis and Chess were the events organized during this period.

Team Event Performances:

BASKETBALL:	WINNER TEAM (MEN) - F.Y.B.Com. (B)	RUNNER UP TEAM(MEN)- F.Y.B.Com. (C)
	Abhijit Patil	Gaurav Nahur
	Krishna Singh	Chinmay Kshirsagar
	Kunal Nikam	Samrath Honraw
	Saurbhav Mate	Pranav Gore
	Akshay Shinde	Vaibhav Bagad
	Vaibhav Pawar	Hrishikesh Thite
	Prasad Pillay	
	Yogesh	
VOLLEYBALL:	WINNER TEAM (MEN) - F.Y.B.Sc..(A)	RUNNER UP TEAM (MEN)- S.Y.B.Com.
	Sanket Parande	Akshay Bhadane
	Vishnu Pratap	Pratik sapkal
	Gopal Nagaware	Pratik Sonawane
	Umesh Parate	Aniket Ghodse
	Aakshay Kunjir	Mayurest Krishnasagar
	Siddhant Chavan	Gaurav Dhamdhare
		Sushil Rai
		Niraj Palekar
FOOTBALL:	WINNER TEAM (MEN) - (T.Y.B.Com.)	RUNNER UP TEAM(MEN) - (TYBCS) B
	Abhijit Bhalerao	Akshay Bhalerao
	Shubham Ghorpade	Aditya More
	Kuber Thakur	Genou Devshara
	Himanshu Tomar	Ankush Pawar
	Phungnringhang Neiphok	Ritesh Rajguru
	Ashish Rai	Sagar Rajput
	Sourabh Ghodekar	
	Akshay Swamy	
CHESS	1)Parmar Sourabh	
	2)Kiran Mohite	
BADMINTON MEN:	1)Atharva Deshmukh	
	2)Pradeep Jangid	
BADMINTON (W)	1)Anjali Singh	
	2)Indrayani Badade	
TABLE TENNIS:	1)Tushar Jadhav	
	2)Jay Savant	

3)Balaji Warudkar

Prof. Sandip Londhe, Prof. Bhagyashree Shinde and Prof.Vikram Phale,
Directors of Physical Education
Prof. P. G. Dixit, Chairman G.M.C.

Academic Prize Distribution Committee

List of committee members:

Sr. no.	Name of member	Sr no.	Name of member
1	Dr. Joag Sushama (Advisor)	13	Prof. Kamble A.T.
2	Prof. Ghanekar Madhuri (Chairperson)	14	Prof. Karekar S.J.
3	Dr. Sane Manisha (Co-ordinator)	15	Prof. Kulkarni Ameeta
4	Prof. Bansode R.D. (Comm)	16	Prof. Lodh Deepali
5	Prof. Gaikwad D.B	17	Prof. Mahajan Nivedita
6	Prof. Gangarde S.S.	18	Prof. Mujumdar Shilpa
7	Prof. Gopale K.D	19	Prof. Suryavanshi Vinod
8	Prof. Ingole R.N.	20	Shri. Gawade Rohan
9	Prof. Jagtap V.K.	21	Shri. Kale V.V. (office)
10	Prof. Joshi Vandana	22	Mrs. Patwardhan Swati (office)
11	Prof. Bobade V.N.	23	Shri Navale Nilesh (office)
12	Prof. Patil Neeta		
	Co-opted members:		
	Prof. Rasika Date		Prof. Jigisha Pawar
	Prof. Pallavi Math		Prof.Trupti Gohad

An Annual **Academic Prize distribution function** was organized on 31st Jan 2017 in the Assembly Hall where faculty and subject wise toppers were awarded the prizes at the hands of **Honorable Chief Guest Dr. Ashok Chavan, Controller of Examination, Savitribai Phule Pune University.**

Speaking on the occasion, the Chief Guest **Dr. Ashok Chavan** said that, focused efforts and a responsible use of resources by the students is the need of the hour. Students, he said, should inculcate a habit of self-study to bridge the gap between education and industry. He emphasized the need for consistency and quality in the student population. This would result in the creation of an employable student work force. Students seemed to be happy as they could see the Graduation Certificate signing authority.

The Principal, **Dr. R.S. Zunjarrao** spoke about the ascending graph of the institution and elaborated on the glorious heritage of past students of the college who have contributed to various fields in the society.

Prof. **Madhuri Ghanekar** gave the introductory speech. **Vice Principals Dr. N.J.Kulkarni, Dr.Prakash Dixit and Prof.Chaudhari Sir** were present at this occasion. Prof. Vandana Joshi compered the event. Prof. Shilpa Mujumdar and Prof.Trupti Gohad read the prize winners' list. Several people from the society as well as many teachers of the college have endowed the prizes with the P.E.Society which are awarded to the students in the Prize Distribution Ceremony. 123 meritorious students from classes XI to Post Graduate wings were awarded different endowment prizes. Many donors and parents were present at this occasion.

FINAL CALL LIST FOR THE PRIZE DISTRIBUTION 2016-17

Sr. No.	Name of the Student	Criteria	Name of the Prize
A Students of XI Class			
1	Manodeep Suhas Patil	Boy from Modern High School(Marathi Medium) Pune 5 with highest total at X	Late Govind Nirgudkar scholarship
2	Mulay Pratima Ramesh	Girl from P. E. S.'s Girls High School Pune 5 with highest total at X	Late Seetabai Nirgudkar scholarship
3	Tathawadkar Shrushti Bhalthandra	Student from a school of P. E. S. with highest total at X (All)	Dwarika Sangamnerkar Prize
B Students Passing XI Arts			
1	Oswal Sana Samar	Highest Total at XI Arts	Staff Fund Prize
C Student Passing from XI Commerce			
1	Sakhare tushar Kaluram	Highest total at XI Commerce	1.Late Vinod Narayan Ekbote Prize 2. Staff Fund Prize
2	Chaudhari Rashi Devendra	Highest marks in S. P. at XI Comm	G. D. Nargund Prize
3	Tomar Kirti Bishansingh	Highest marks in Book – Keeping & Accountancy at XI Commerce	Late Prof. Jyotsna Godbole Prize
D Students Passing XI Science			
1	Ukale Aditya Anilkumar	Highest total at XI Science Exam.	Staff Fund Prize
		Securing highest marks at Physics at XI Science	Dwarkabai Parasnis Prize
		Securing highest marks in Chemistry at XI Science	Late shri Balkrishna Likhite Prize
2	Yadav Preeti Jagadesh	Securing highest marks in Mathematics at XI Science	Late shri Balkrishna Likhite Prize
		Securing highest marks in Chemistry at XI Science	Late shri Balkrishna Likhite Prize

E Students Passing XII Exam. (Arts / Science / Commerce)			
1	Thete Tejashri Chandrakant	Securing highest marks in Marathi at XII	1) Late Gauribai Mahadev Sidhaye Prize
2	Kumbharkar Anagha Manik	Securing highest marks in Sanskrit at XII	1) Late Shreepad Malhar Joshi Prize
3	Phadtare Sahil Sanjiv	Securing highest marks in German at XII	1) Late Shreepad Malhar Joshi Prize
F Students Passing XII Arts			
1	Bharde Sharmishtha Ashish	Highest Total at XII Arts	1) Staff Fund Prize 2) Balkrishna Rasane Prize
2	Shruti Khaladkar	Highest Total at XII Arts & admission to F.Y. B. A. in this college	Vasudevrao Tatke Prize
G Students Passing from XII Commerce			
1	Nimbalkar Dipti Ashok	Highest total at XII Commerce	Late Vinod Narayan Ekbote Prize Balkrishna Rasane Prize
		Highest total at XII Commerce & admission to F. Y. B. Com. & admission in this college	Late Vasudevrao Tatke Prize
		Girl with highest total at XII Comm	Late Jyotsna Godbole Prize
2	Lunkad Nishant Praful	Boy with highest total at XII Comm.	1. Vasudevrao Tatke Prize 2. Late Jyotsna Godbole Prize
3	Chitnis Vaibhav Sandip	Highest marks in Mathematics at XII Comm.	1) A.P.Phadke Prize
4	Bhargav Shrawani Sanjeev	Highest marks in Mathematics at XII Comm.	1) A.P.Phadke Prize
5	Pawar Sai Santos	Highest marks in Book – Keeping & Accountancy at XII Commerce	1) Late Jyotsna Godbole Prize
6	Unhale Vaibhavi Ram	Highest marks in Book – Keeping & Accountancy at XII Commerce	1) Late Jyotsna Godbole Prize
7	Shaikh Samreen Yunus	Securing highest marks in Secretarial Practic at XII comm.	1) G. D. Nargund Prize
8	Lunkad Nishant Praful	Securing highest marks in Organisation Of Commerce and Management at XII comm.	Certificate
9	Thakar Shravani Suhas	Securing highest marks in Information Technology XII comm	Certificate
H Student Passing from XII Science			
1	Mehta Shreya Rajendra	Highest total at XII Science	1) Vasantrao Sukhtankar Prize

			2) Balkrishna Rasane Prize 3) Late Raobahadur D. Balwant Prize
		Highest marks in Chemistry at XII Science	1) Late shri Balkrishna Likhite Prize
2	Dhomase Omkar	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	More Richa Raju	Highest marks in Mathematics at XII Science	1) A. P. Phadake Prize 2) Kamalabai Panase Prize 3) Late shri Balkrishna Likhite Prize
		Securing highest marks in Sanskrit at XII	1) Late Shreepad Malhar Joshi Prize
4	Mandekar Uttkarsh Rajendra	Highest marks in Mathematics at XII Science	1) A. P. Phadake Prize 2) Kamalabai Panase Prize 3) Late shri Balkrishna Likhite Prize
5	Ve dvant Rutuik Ajit	Highest marks in Physics at XII Science	Certificate
6	Shreyas Rajan Matgaonkar	Highest marks in Biology at XII Science	Certificate
7	Karmarkar Shreya Tapas	Highest marks in PCM group at XII Science	Late Dr. D. K. Atre Prize
8	Kothawade Saurabh Dinesh	Highest marks in Computer Science at XII Science	Certificate
9	Kulkarni Sagar Dynanesh	Highest marks in Electronic Science at XII Science	Certificate
10	Nanajkar Mugdha Mukund	Highest marks in Information Technology at XII Science	Certificate
11	Aditya Doiphode	Highest marks at XII Science, Merit admission to Engineering, Student of P. E.S.'s School	R. B. Wagale Memorial Prize
12	Omkar Doiphode (GS Medical, Mumbai)	Highest marks at XII Science, Merit admission to Medical, Student of P. E. S.'s School	R. B. Wagale Memorial Prize
I Students Passing FYBA			
1	Priya Muhe	Highest total at FYBA	Staff Fund Prize
2	Nandita Ajwani	Highest marks in General English at FYBA & admission to Special English at SYBA in this college	Late Gopal Yashawant Parab Prize

J Students Passing SYBA			
1	Sakshi Mathurawala	Highest total at SYBA	Staff Fund Prize
2	Shekhar Chorghe	Highest marks in History (Special / General) at SYBA and admission to TYBA in this College	Late Sumatibai Hariramaji Bhiwagade Prize
K Students Passing TYBA			
1	Arun Pandey	Highest Total at TYBA (Marks out of 1200)	1) Staff Fund prize 2) Late Past Students Prize 3) Late Vasudev Vyankatesh Pandit Prize 4) Memento
2	Mayura Keskar	Highest marks in Special English at TYBA (Marks out of 300)	Late Balkrishna Savalaram Rasane Prize
3	Vaishali Makadi	Highest Marks in Special Marathi At TYBA (Marks Out of 300)	1) Late Balnath Shankar Pathak Prize 2) Narayan Chepe Prize
L Student Passing FYB.Sc.			
1	Pramil Balasaheb Gadekar	Highest total at FYB.Sc.	Staff Fund Prize
2	Madhu Bharti	Highest marks at FYB.Sc. in A Group (Mathematics Group) (Marks out of 1200)	Narayanrao Bhagawat Prize
		Highest marks at FYB.Sc. Computer Science	Mrs. Sangeeta Raut Sponsered Prize
3	Shelke Mukund Nanasaheb	Highest marks in Mathematics at FYB.Sc.	Laxmibai Tatke Prize
		Highest marks in Statistics at FYB.Sc. only	Vishvanath Ramchandra Dhongade Prize
4	Shonam Upadhyay	Highest marks in Chemistry at FYB.Sc. and admission to SYB.Sc. in this college	Certificate
5	Ade Prashant Kishor	Highest marks at FYB.Sc. in B Group (Biology group)	Narayanrao Bhagawat Prize
M Students Passing SYB.Sc.			
1	Martins Salonee Elvis Microbiology	Highest total at SYB.Sc.	Staff Fund Prize
2	Harwinder Kaur	Highest marks in Physics at SYB.Sc.	Ravishankar Rasane Prize
		Highest marks in Mathematics at SYB.Sc.	Prof. Pramila Chikate sponsored Prize
3	Prajakta Sawant	Highest marks in Electronics at SYB.Sc.	Balkrishna Savalaram

			Rasane Prize
4	Shaikh Heena	Highest marks in Statistics at SYB.Sc.	Late Indirabai Chirputkar Prize
		Highest total at SYB.Sc. & student of this college from XI to TYB.Sc.	Matoshree Yashodabai Gadgil Paluskar Scholarship
5	Sonali Dilip Pharate	Highest marks in Chemistry at SYB.Sc. & admission to TYB.Sc. in this college	Sadashiv Vishwanath Jog Prize
6	Aishwarya Shetty	Highest marks at SYB.Sc. Computer Science	Mrs. Madhuri Ghanekar Sponsered Prize
N Students Passing TYB.Sc. / TYBCS			
1	Reshma Walke	Highest total at TYB.Sc. (Mathematics) Out of 1200	1) S. K. Argade Prize
		Best Graduate of the year	Principal V K Jog Prize
2	Gore Mahesh	Highest total at TYB.Sc. (Statistics) Out of 1200	1) Nirmala Potnis Prize 2) Past Student Prize
3	Jithin .P	Highest total at TYB.Sc. (Physics) Out of 1200	1) Ravishankar Rasane Prize 2) Late Prakash Bhagawat Prize 3) Department of Physics Prize
4	Vivek Vijay Bole	Highest total at TYB.Sc. (Electronics) Out of 1200	Balkrishna Rasane Prize
5	Thorat Akash D.	Highest total at TYB.Sc. (Chemistry) Out of 1200	1) Sadashiv Vishwanath Jog Prize 2) Principal B. V. Bhide Prize
		Highest total at TYB.Sc. (Chemistry) Out of 1900	Late Mai Bhide Prize
6	Bhagyashree Chaudhari	Highest total at TYB.Sc. (Botany) Out of 1200	Late Dr. V. D. Vartak Prize
7	Trupti Barve	Highest total at TYB.Sc. (Zoology) Out of 1200	1) Staff Fund Prize Memento
8	Pratik Jain	Highest total at TYBCS Computer Science(marks Out of 1200)	1) Staff Fund Prize 2) Memento 3) Mrs. Shilpa Dange sponsored prize
9	Ojal Setty	Highest total at TYB.Sc.. Animation	Certificate
10	Kolhar Ashwini	Highest total at TYB.Sc. (Microbiology) Out of 1200	Shamala Huddedar Prize sponsored by Dr. Shilpa Mujumdar
11	Bedre Keshav Bhagvant	Deserving needy & Good in academics Student of	Dr. Mrs. V.R.Prayag

		TYB.Sc. Statistics	sponsored Prize
0 Students Passing FYBCom			
1	Patil Shivani Bajirao	Highest total at FYBCom	Staff Fund Prize
		Highest marks in Mathematics at FYBCom	Vishwanath Madhav Rayarikar Prize
2	Aarti Sanas	Highest marks in Mathematics at FYBCom	Vishwanath Madhav Rayarikar Prize
P Students Passing SYBCom			
		Highest total at SYBCom	Staff Fund Prize
1	Thube Yogesh Shivaji	Highest marks in Statistics at SYBCom (All papers clear)	1) Late Sau Indirabai Chirputkar Prize 2) Late R.G. Satam Prize
		Highest marks in Economics at SYBCom	Mrs. Sandhya Vartak sponsored prize
2	Shelke Juily Avinash	Highest marks in Banking at SYBCom	Sponsored by Dr. M.M. Satam
Q Students Passing at TYBCom			
1	Wadekar Ruplekha Ashok	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
		Highest marks in Accountancy & Auditing (Take total of three papers Advanced accountancy, Business Law & Auditing II & III)	Matoshree Mulabai Karnavat Prize
2	Kandhare Nutan D.	Highest marks in Advanced Costing at TYBCom (Consider total marks of Cost & Works accountancy)	Balkrishna Rasane Prize
3	Bhakti Kiran Kanchan	Highest marks in M. Law at TYBCom. (Consider marks in M. & Ind. Law)	Ravishankar Rasane Prize
4	Kasbe P. Balu	Highest marks in Banking at TYBCom	Vishwanath Madhav Rayarikar Prize
5	Mujawar Anjum	Highest marks in Statistics at TYBCom	Chandrakant Moreshwar Shinde Prize
6	Jabre Dhiraj Sunil	Highest marks in Marketing at TYBCom	Late Jivita Gujar Memorial Prize
R Students Passing M. Com.			

1	Patole Bhagyashri	Highest total at M. Com. I	Staff Fund Prize
2	Kategeri Veena Chandrakant	Highest total at M. Com II	1) Staff Fund Prize 2) Memento
S Students Passing M. A			
1	Kimaya Manohar	Highest total at M. A. II (English)	Memento
2	Vileena Inamdar	Highest total at M. A. II (Marathi)	Memento
3	Roshan Kadam	Highest total at M. A. II (Geography)	Memento
4	Poorvi Tiwari	Highest total at M. A. II (Economics)	Late Purushottam Hirday sponsored by Dr. M.M. Satam
5	Sheetal Lakhani	Highest total at M. A. II (Psychology)	
T Students Passing M. Sc.			
1	Minu Kuman	University rank at M. Sc. II / M. A. II / M. C. S. II	1) Memento 2) Ravishankar Rasane Prize
2	Mahajan Snehal	Highest total at M. Sc. I (Ele. Sci.)	Laxman Deuskar Prize
3	Mr. Samgir Harishchandra	Highest total at M. Sc. II (Ele. Sci.)	1) Laxman Deuskar Prize 2) Memento
4	Ms. Ketaki Pathare	Highest total at M. Sc. I & II together (Statistics)	Dr. Prakash Dixit Sponsored Prize Memento
5	Ms. Khunte Manorama	Highest total at M. Sc. I	Mrs. Ujjwala Prakash Dixit Sponsored Prize
6	Ms. Aditi Namjoshi	Highest total at M. Sc. II (Botany)	Memento
7	Firoz Shaikh	Highest total at M. Sc. II (Mathematics)	Memento
8	Swamy Jaylaxmi	Highest total at M. Sc. II (Chemistry)	Chemistry Dept PG staff Prize
9	Pitke Manali	Highest total at M.C.A (Computer Sc.)	Memento Mrs. Sheetal Patil Sponsored Prize
10	Prasad Pashankar	Highest total at M.Sc. I (computer Sc.)	(Prof. Vaishali Bhoite sponsored prize.)
11	Vaishali Poojari	Highest total at M.Sc. II (computer Sc.)	Memento Mrs. Jigisha Pawar sponsored prize
12	Ambar Kachale	Highest total at M. Sc. II (Microbiology)	Dr. Bhagwant Huddekar Prize sponsored by Dr. Shilpa Mujumdar
13	Ms. Prachi B. Joshi	Highest total at M. Sc. II (Bio Tech.)	Memento

Other Prizes 2016 - 2017

Sr. No	Name of the Student	Criteria	Prize
1.	Shanuja Radhakrishnan	TYB.Sc. Physics student submitting Best Project	H. B. Joshi Prize
		Most deserving student of TYB.Sc. Physics	Y.P.Gambhir Prize
2.	Yogesh r. Vedpathak	TYB.Sc. Electronic student submitting Best Project	A. Gondhalekar Prize
3.	Soham Chakradev (SYB.Sc.-A)	Student writing the Best Computer Programme at TYB.Sc. Computer Science	R. M. Marathe Prize
		Excellent academic achievement (Sr. wing)	Late Pandurang Vishnu Mahadkar Prize
4.	Priyanka Misal	Best student at TYB.Sc. Chemistry	M. M. Gokhale Prize
5.	Pratiksha Pimpale	Deserving & studious Girl student of Sr. Wing	Golden Jubilee Fund Prize
6.	Parshuram Kale	Deserving and studious student of Sr. wing	Late Jagannath Kale Prize
7.	Shirke Shashwati S.	Most deserving student of TYB.Sc. Ele. Sci.	D. Y. Gambhir Prize
8.	Adinath Gadekar	Best Student of NSS Sr.wing	'Late Abhishek Walke' prize, sponsored by Nisha Bhandare
9.	Hari Gore	Most deserving student of NSS Sr. wing	Late B. P. Satpute Prize
10.	Aayesha Shaikh	Most deserving girl student of NSS Sr. wing	Late Sarubai Varade Prize
11.	Shubhangi Awati	Deserving student of TYB.Sc. doing good work in NSS for two years	Late Bhaurao Varade Prize
12.	Nagesh Vidhole	Deserving student of TYB.Sc. (Comp.Sci.) doing good work in NSS for two years	Late Bhaurao Varade Prize
13.	Sayali Bahirat (XII G)	Most deserving student of NSS Jr. wing	Late B. S. Pathak Prize
14.	Madhav Kale	Deserving student of TYBA doing good work in NSS for two years	Shankar Shelar Prize
15.	Shekhar Chorghe	Deserving student of TYBA doing good work in NSS for two years	Shankar Shelar Prize
16.	Swamini Pandit (XIIG)	Best performance in NSS camp Jr. wing	Late Sadashiv Salunkhe Prize
17.	Chalasani MurliKrishna	Best performance in Air wing NCC activities with excellent academic record	Late Sudhabai Shankar Kale Prize
18.	Zende Yogesh Vijay	Best student from Earn & learn scheme	Late Krishna Mukund Ujalambkar prize
19.	Nilesh Singh	Best student from Earn & learn scheme	Late Krishna Mukund Ujalambkar prize
20.	Janhavi Purandare	Best girl student from Earn & learn scheme	Late Kalindi Krishna Ujalambkar prize
21.	Chaitali Gaikwad	Best girl student from Earn & learn scheme	Late Kalindi Krishna Ujalambkar prize

22.	Sagar Suhas Jagtap	Deserving and studious student of Jr. wing	Golden Jubilee Fund
23.	Sakshi Jain	Deserving and studious girl student of Jr. wing	Late Kamalabai Jagannath Kale Prize
24.	Shubham Shinde	Deserving and studious student of XII Class	Late Vishnu Trimabak Tatake Prize Late Shankar Ramchandra Kanitkar Prize
25.	Sanket Vidwans	Past student of Modern High school Pune-05 with minimum 75% mark admission to this college and most deserving and promising student	Dattatraya Krishna Shenolikar Scholarship
26.	Aditya Ukale	Excellent academic achievement Jr. Wing	Late Pandurang Vishnu Mahadkar Prize

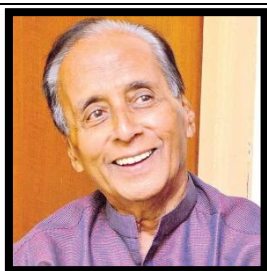
27.	Kewalramani Jatin T.	Best Student Jr. Wing	Late Jyotsna Godbole Prize Best student Trophy , Memento
28.	Sahu Rushav	Best student Sr. Wing	Staff Fund Prize Veer Sawarkar Prize Damodar shield, Memento
29.	Navale Sujeet C.	Best student Post Graduate Section	Late Prof. G. M. Bansude Trophy Memento

Prof. Ghanekar Madhuri, Chairperson
□□□

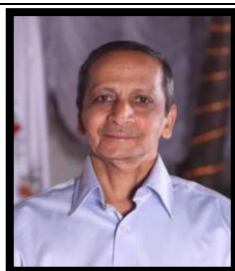
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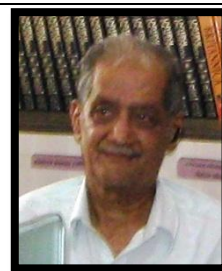
Shrimati Shashikala Ramakant Ekbote (Akka)



Dr. Deshpande V.B.
Retired Lecturer and Head,
Department of Marathi, Modern College,
Pune-5.



Shri. Dashputre J.B.
Retired Teacher in Physics,
Modern College, Pune-5.



Shri. Bapat D.G.
Retired Librarian, Modern College,
Pune-5.

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

Staff and students of Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5.

ABHIVYAKTI अभिव्यक्ति

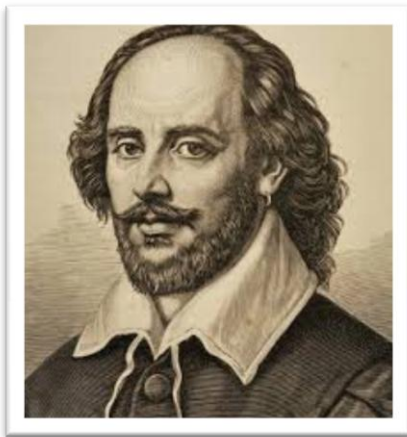
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Shakespeare: “Not of an age, but for all time.”

Ashwathi Nair, Staff member, Department of English

Shakespeare wasn't *Greek to me* when I sat in my first literature class. I knew he was a great British playwright and I knew the titles of some of his plays and was familiar with some of the characters. I wasn't *tongue tied* when asked to speak of him. Yet, I viewed my fellow classmates with *green eyed jealousy* as they spoke in depth about him, his plays and their varied perspectives amalgamated making Shakespeare synonymous with English literature.



When it came to attempting an article on Shakespeare's relevance 400 years after his death, I was *in a pickle* and considered to *hoodwink* a fellow classmate and plagiarize her thoughts! By the way, if you have ever said “It's Greek to me,” suffered from “green-eyed jealousy,” been “tongue-tied,” “hoodwinked” or “in a pickle,” you are quoting Shakespeare. This is a mere promo of how Shakespeare's influence on the English language runs deep. For instance, if you search the Oxford English Dictionary (OED) — the definitive record of the English language — Shakespeare is often identified as the sole user or first user of a word or phrase.

Today, we shall look into how ‘the Shakespeare brand’ has provided scholars with a ready metaphor to describe Shakespeare's remarkable cultural and commercial purchase in the twenty-first century. Doug Lanier, author of *Shakespeare and Modern Popular Culture* has titled Shakespeare- ‘the Coca-Cola of canonical culture’, and critics have explored the deployment of ‘the Shakespeare brand’ from the production of eighteenth-century editions to the marketing of twentieth-century screen adaptations of his plays.

A meticulous step-by-step analysis of British actors reveals that Shakespeare helped to cement the credibility of national treasures such as Tom Hiddleston (*Cassio in Othello*) and Benedict Cumberbatch (*Richard of Gloucester in Richard III*). Consequently, playing a lead in a Shakespearean play can bolster an actor's reputation and equate to prospective stardom. A Shakespearean actor is actively sought after by the blockbusters to play the brooding villain, since ‘Britishness’ is often coded as cultural sophistication, intellect and eloquence. Here, we can see Shakespeare's retail potential as an “unparalleled exporter of British values”. This is not to say that all cinematic interpretations of the plays have been overwhelming successes. In fact, the most triumphant of all Shakespeare's films (grossing nearly \$300 million worldwide) centered on the character of the playwright himself: *Shakespeare in Love* (1998). Notably, Shakespeare's economic capital is not only in the stories he depicted and the characters he treasured, but fundamentally in the name ‘Shakespeare’.

Article on Account of Fourth Death Centenary year of William Shakespeare

In 1710, publisher Jacob Tonson started a trend when he adopted Shakespeare's likeness as his corporate logo, using the Bard's portrait on his bookshop sign, in advertisements and on the editions of Shakespeare's works that he published. Since Jacob Tonson based his trademark on the Chandos portrait, countless manufacturers, suppliers and service providers have hitched their wagons to the famous stars of Shakespeare's plays. The practice has been dubbed ‘*Shakesploitation*’ – the branding of companies and products with the names of Shakespeare characters. Some of them are apt, like Ariel Air Conditioning, Ariel Steam Showers, Ariel washing powder and the British car- Ariel Atom based on the character of Ariel from ‘*The Tempest*’, a spirit bound to serve the magician Prospero who rescued him from the tree in which he was imprisoned by Sycorax, the witch who previously inhabited the island. We also have Falstaff Beer and Royal Dalton's Falstaff Toby Jug based on the character of Falstaff in ‘*The Merry Wives of Windsor*’ who is presented as the buffoonish suitor of

two married women. The naming of newly discovered celestial bodies after Shakespeare characters makes the bard's outreach cosmic. The old celestial bodies were named by the ancients, long before Shakespeare. However, Cornell astronomer, Philip Nicholson, and his team have proposed names for Uranus' two 'new' moons. They have decided on characters from *The Tempest* – Caliban and his mother, the witch, Sycorax. Therefore, we can see that the planet Uranus has 27 moons, the majority of which are named for Shakespearean characters: Titania, Oberon, Puck (*A Midsummer Night's Dream*); Ariel, Miranda, Caliban, Sycorax, Prospero, Setebos, Stephano, Trinculo, Francisco, Ferdinand (*The Tempest*); Cordelia (*King Lear*); Ophelia (*Hamlet*); Bianca (*The Taming of the Shrew*); Cressida (*Troilus and Cressida*); Desdemona (*Othello*); Juliet, Mab (*Romeo and Juliet*); Portia (*The Merchant of Venice*); Rosalind (*As You Like It*); Margaret (*Much Ado About Nothing*); Perdita (*The Winter's Tale*); and Cupid (*Timon of Athens*).

Shakespeare's relevance is evident when digital agencies use his work to help brands use it within their digital marketing strategies. Let's look at this advertisement that uses an instantly recognizable passage from "As You Like It" voiced by Benedict Cumberbatch to advertise Google+. The sequence shows you snapshots of 'Tom' - the Google+ user's life, from finding the love of his life to adding his grandchild to his circles. The spoken passage closely matches the events taking place in Tom's life to portray a happy and eventful life, captured on Google+ to be later reminisced with the closing text enforcing that- "A life lived and shared...That's a plus". Google+ Tom shows how Shakespeare's works can still be understood and attributed to a whole host of applications within modern society. Shakespeare's works are emotional, hilarious, and pithy. But above all, he was masterful at imbuing his stories and his characters with qualities that audiences and readers identify with — Hamlet's anguish, Ophelia's distress, the enduring love between Romeo and Juliet. In Samuel Johnson's preface to *The Plays of Shakespeare* (1765), he wrote, "His characters ... are the genuine progeny of common humanity, such as the world will always supply, and observation will always find." "As You Like It", the play used in this example was written around 1600. Yet, a video made in 2013 is able to convey word for word the emotions spoken by the melancholy Jaques in Act II Scene VII

It has been 400 years since the death of that ultimate literary icon – William Shakespeare. His death anniversary celebrations include a feast of plays, sonnet readings and other events are planned throughout the rest of year, but this isn't just about culture. There's money to be made. The Bard is big

business. Stratford-upon-Avon — where the playwright was born — attracts more than 5 million visitors a year. Not bad for a small market town with a population of just 27,000. Tourism pumps half a billion dollars annually into the local economy, supporting 7,000 jobs. One local business that benefits from the influx is Tudor World— an interactive attraction that includes an Elizabethan banqueting scene and a throne room. The Shakespeare effect will be felt well beyond Stratford. The Bard is a "massive brand for Britain," says regional tourism chief Helen Peters. Most recently, 'Deploying the Shakespeare Brand' was the topic of a lively seminar at the International Shakespeare Conference in Stratford-upon-Avon in 2010, that explored the commercial presence of 'Shakespeare' in, among other things, cartoons, crafts and film.

When the First Folio of Shakespeare's work was published in 1623, seven years after his death, Ben Jonson, who was a fellow writer, noted that Shakespeare was 'not of an age, but for all time.' That statement can be taken two ways: that the meaning of Shakespeare's work is always the same or that it is always different. The second interpretation is the one that has been borne out." Thus, we can see that Shakespeare as a brand provides space for scholars to consider the meanings and values that Shakespeare brings to, and accrues in, these new settings as we celebrate 400 years of his timeless works.

Source:

(<https://www.youtube.com/watch?v=BQDYt61yHdg>)

"All the world's a stage, and all the men and women merely players: they have their exits and their entrances; and one man in his time plays many parts..."
- William Shakespeare

'Life's but a walking shadow, a poor player, that struts and frets his hour upon the stage, and then is heard no more; it is a tale told by an idiot, full of sound and fury, signifying nothing.'
- *Macbeth* Act 5, Scene 5

"There is nothing either good or bad, but thinking makes it so." *Hamlet* Act 2, Scene 2

A Piece for Global Peace

Avanee Pendse, T.Y.B.A. Psychology

'(BOOM) There was another blast. Too close for comfort this time. It was the third one that night. She was afraid for her life. They will capture her, along with her friends and family. They may keep her alive, but never let her live. She knew they were close now.'

Similar stories can be found today. Hundreds and thousands of people, women in particular, live in fear day and night. They are afraid for themselves, their husbands, fathers and children. This sceptre of fear of death and fates worse than death is not new at all.

Let us take a look back exactly 100 years. The year, 2014, marks the centenary year of the outbreak of the First World War. There were many reasons for this war. Political, economical, geographical, even national and sentimental. But the end result of this world-wide devastating war was only one: **DEATH**. Chaos spread everywhere. New countries were formed; the people struggled to find their own Post-War identity. Emergence of new types of governments was seen. But the whole world was trying to cope with the same issue before them – loss of their loved ones, their homes, their dreams and their hopes.

The world tried to settle back down, but the stock market crash of 1929 plunged the world into the dark abyss; that of the Second World War. It had similar horrors of the First World War, but also brought with it two more things that the world found difficult to accept. The Atomic Bomb; and the Holocaust.



The Atom bomb ensured that thousands of lives vanished within seconds. The Holocaust was more of a systematic killing and “cleaning of Europe”. These events seem so ancient today, so far off! 1945. That's definitely a long while ago, right?! Surely such heinous atrocities and brutal killings, mindless acts fuelled by hatred have stopped after we saw their effect on the world!

But did they stop?

At this very moment across the globe, the North Korean- American crisis, and Russian – Ukrainian conflict is in danger of taking a turn for the worse.

Scholars speculate that we may be on the brink of a Third World War. Thousands of Israelis and Palestinians are dying fighting a war with no end in sight. Hundreds of thousands of Yazidis and Kurds are leaving their homes behind and fleeing to the safety of UN camps. Thousands of civilians are dying at the hands of extremist religious groups, such as ISIS. Hundreds of soldiers are fighting a war halfway across the globe, far away from their homes. They are fighting a war in the Middle East, a war which will not benefit them in any way whatsoever, giving up their lives for a cause unknown to them.

A little closer to home, our neighbouring country, which, at the time of our independence was thought to be our twin is constantly violating necessarily imposed ceasefire and killing our own men on our own land. Every now and then a blood-splatter is created by bomb blasts. And how can we even forget the Great Migration of 1947 – 48 in which over two million Indians in Pakistan, coming towards India and the people travelling towards Pakistan (they were not Pakistani yet, it had just been formed!) were raped, killed and mutilated?



What are we as ‘global citizens’ doing? What are we letting our leaders do? It is not only history which holds all horrors, but the present too, is much more horrifying. What is more appalling is that even in the age of knowledge and technology we are not able to make our voices heard where they matters the most. If this is the path of our future any semblance of peace too will vanish very soon. It is time for us to stop concentrating only on our ‘personal’ lives, and as difficult as it may seem, take up our global responsibility. Be aware of what is happening around us, and think of ways in which we can change our world. A thousand different thoughts will lead to one solution that will hold a ray of hope for a calmer future. Let us start thinking for others too. Till then, pray for the ones in pain.

WOMEN EMPOWERMENT

Pratiksha Pimple, T.Y.B.Sc. Computer Science

Has the freedom of women increased over a period of time? Women empowerment seems lopsided as certain class of women still suffering from violation of basic human rights. Women empowerment is necessary to reduce problems like female infanticide, rape and early marriage of girls and these problems can be solved by abolition of dowry, education on gender equality, academic education and financial independence respectively.

Female infanticide is one of the biggest problems. Sex ratio is reducing rapidly. It has dropped from 800:1000 to 600:1000. Hence this shows how big a problem this is ! Therefore to reduce female infanticide, abolition of dowry should be done. Female infanticide is related to dowry as when girls get married their parents have to pay heavy dowry.

Rape is also the serious problem which women are facing. Few days back, we heard about the girl, who got raped and killed later in Delhi. This only shows how serious problem is this! And due to such things many women, girls are not feeling safe today. To reduce this problem, Education on gender equality and equal rights of women is must and should be given to all at school, college level itself. As the Literacy rate of India in 2011 is 74.04% in which the male literacy rate is 82.14% and female literacy rate is 65.46% only according to Census 2011.

Along with these problems early marriage is also the problem which many girls are facing. Mostly in the villages where people are not so much educated. Academic education and financial independence is the solution for that. Now-a-days, women are becoming increasing independent. However there is still lot to be done in that direction.

The problem in our country regarding women empowerment i.e. female infanticide, rape and early marriage of girls these problems can be reduced by abolition of dowry, by providing education etc.

I hope we will join hands to bring amount of change regarding women empowerment.....!

The Independent woman

Free me from this cage. Let me fly.

Free my soul into the sky.

I can't wait to see what I can do when I am on my own, without you. I am stronger and wiser.

I don't have to change for you to change the way you look at me.

Your glares don't stop me from being who I am supposed to be. I am a free spirit, yet you trapped me into these four walls telling me I am meant to serve you.

You stifled me with your thoughts fearing I would do better than you.

But I am much more than you think I am, it doesn't matter who I am.

Free me from your cage and let me show you what I am capable of.

You are no one to stop her from being who she wants to be.

You are no one to set limits to her desires.

You are no one to cut her wings and cage her in your ego.

If you can't support her dreams, appreciate her hard work, stay away.

Her beauty lies in her eyes and not what you think she should be.

She is strong enough to rule her world, with her head held high, and her crown shining with grace.

Be grateful for what she has given you, until it's too late.

Her love is her armour and kindness sets in her heart, for you have to look at her beyond her scars.

Apoorva Kale, S.Y.B.A.

The other side of a Proverb

Almost every proverb has an equal and opposite proverb. It is like two sides of the same coin.

- "All good things come to those who wait".
BUT "Time and tide wait for no one".
- "The pen is mightier than the sword".
BUT "Action speaks louder than words".
- "Slow and steady wins the race".
BUT "Time waits for no man".
- "Look before you leap".

- BUT "Strike the iron when it is hot".
- "Doubt is the beginning of wisdom".
BUT "Faith can move mountains".
- "Practice makes man perfect".
BUT "No one is perfect".

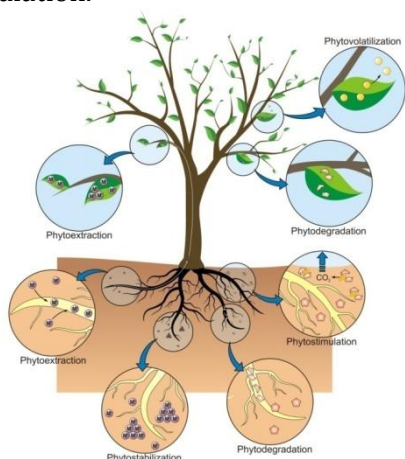
- Amtullah Shabbir Ghadiyali, S.Y.B.Sc – Comp. Sc.

PHYTOREMEDIATION

Aishwarya Nair, S.Y.B.Sc. 'B'

Over centuries, human industrial and mining activities as well as farming and waste practices have contaminated large areas of developed countries with high concentrations of heavy metals and organic pollutants. In addition to negative effects on environment it also cause great risk to public health because pollutants can enter food through agricultural products or leach into drinking water.

Cleaning up contaminated soil is a costly enterprise. Soil remediation method do not really solve the problem.eg, In Germany, for instance, only 30% of soils from contaminated sites are cleaned up by soil remediation technique. There was urgent need for alternative, cheap and efficient method to clean up heavily contaminated industrial areas. This was achieved by a relatively new technology known as phytoremediation.



Phytoremediation (from Ancient Greek (*phyto*) meaning 'plant', Latin (*remedium*) meaning 'restoring balance') refers to the technologies that use plants to clean up soil, air and water contaminated with hazardous chemicals. Phytoremediation is a cost-effective plant based approach of remediation that takes advantage of the ability of plants to concentrate elements and compounds from the environment and to mobilize various molecules various molecules in their tissues. It refers to the natural ability of certain plants called hyperaccumulators to bioaccumulate, degrade, or render harmless contaminants in soil, water or air.

Toxic heavy metals and organic pollutants are the major target for phytoremediation.

Phytoremediation comes in several forms. Phytoextraction removes metals or organics from soil by accumulating them in the biomass of plants. Phytodegradation or phtotransformation is the use of plants to uptake, store & degrade organic pollutants. Rhizofiltration involves the removal of pollutants from aqueous source by plant roots. Phytostabilisation reduces the bioavailability of pollutants by immobilizing or binding them to soil matrix. Phytovolatzization uses plants to take pollutants from growth matrix, transform them & release them into atmosphere. Most scientific & commercial interest in phytoremediation now focuses on phytoextraction & phytodegradation, which use selected plant species to grow on contaminated soil. Depending on the type of contamination, the plants can be either disposed of or used in alternative process such as burning for energy production.

Examples where phytoremediation has been used successfully include the restoration of abandoned metal mine working, and sites where polychlorinated biphenyls have been dumped during manufacture and mitigation of on going coal mine discharges reducing the impact of contaminants in soil, water or air. Contaminants such as metals, pesticides, solvents, crude oil & its derivatives, have been been mitigated in phytoremediation projects worldwide. Many plants such as mustard plant, alpine, hemp, pigweed have proven to be successful at hyperaccumulating contaminants at toxic waste sites.

Over past 20 years, this technology has become increasingly popular and has been employed at sites with soil contaminated with lead, uranium & arsenic. While it has the advantage that environmental concerns may be treated in situ; one major disadvantage of phytoremediation is that it requires a long term commitment, as the process is dependent on a plant's ability to grow and thrive in an environment that is not ideal for normal plant growth.

ZOMBIE PARASITES: MEET THE NATURE'S NIGHTMARE!

Pradnya Kadam, S.Y.B.Sc. 'B'

Zombies may be a thing of fiction in some horror films, but some parasites more or less turn their hosts into the 'walking dead'. These spooky creatures control and manipulate their hosts from within which makes them to act in self-destructive ways that ultimately benefit the parasite.

Some parasites can alter the behaviour of their host in such a way that the host not only provides shelter and nutrients but also shifts to such an environment which will be favourable for the parasite growth inspite of knowing it to be a danger zone for the host.

Here are some examples of mind-manipulating parasites that can hijack the host's nervous system, enslaving their victims in different ways.



- 1) **HOST:** Spotted lady beetle (*Coleomegilla maculata*)
PARASITE: Wasp (*Dinocampus coccinellae*)

Lady beetle infected by wasp species *Dinocampus coccinellae* is decidedly unfortunate. When a female wasp stings a lady beetle, it leaves behind a single egg. After the egg hatches, the larva begins to eat its host from inside out. When ready, the parasite emerges and spins a cocoon between the lady beetle's legs. Though its body is now free of the tormentor, the beetle remains enslaved, standing over the cocoon and protecting it from potential predators. Some fortunate lady beetle actually survive this eerie ordeal.



- 2) **HOST:** Cabbage butterfly (*Pieris brassicae*)
PARASITE: White butterfly wasp (*Cotesia glomerata*)

The caterpillar of the cabbage butterfly plays bodyguard to a parasitic puppet master-the wasp. A female white butterfly wasp injects a caterpillar with several dozen eggs. The larvae hatch, feed, grow then paralyze their still living host and chew their way out piercing through its body. The larvae spin little cocoons beneath it. Then enslaved host spins an extra silk layer around the cocoons, then stands guard over the brood, flinging its head back and forth to ward off predators.

- 3) **HOST:** House Cricket (*Acheta domesticus*)
PARASITE: Horsehair worm (*Paragordius varius*)

The house cricket loses its will-and its life-to the horsehair worm. Larvae of the parasite infiltrate the cricket when it scavenges dead insects, then grow inside it. The cricket is terrestrial, but when the adult stage of the worm is ready to emerge, it alters the brain of its host, driving the cricket to abandon the safety of land and take a suicidal leap into nearest water body. As the cricket drowns, an adult worm emerges, sometimes a foot in length.

- 4) **HOST:** Spider (*Leucauge argyra*)
PARASITE: Wasp (*Hymenoepimecis argyraphaga*)

The spider suffers a series of humiliations at the hands of parasitic wasp before it is put out of its misery. Paralyzed by wasp's sting, the spider stands helpless as its tormentor deposits an egg on its abdomen. Once the egg hatches, the larva holds tight to spider feeding on its internal fluids for a week for its every last sip. When ready to pupate, the larva coerces the spider into setting out on last, misguided building project. Ripping down its own carefully constructed web, the spider spins a novel one consisting of just a few thick crossing strands. The larva rewards the spider for its efforts by sucking it dry. Then it spins its cocoon where it can dangle safely out of reach of predators.



- 5) **HOST:** Cockroach (*Periplaneta sp.*)

PARASITE: Female jewel wasp (*Ampulex compressa*)

When the female jewel wasp is ready to procreate, she finds a cockroach to serve as a living nursery for her offspring. First she injects a toxin into the cockroach that paralyzes its front legs. Then the wasp strikes again in the cockroach's head injecting a venom targeting specific brain area responsible for initiating movement and thus take over their decision making processes. The wasp further grabs cockroach antenna taking it to burrow and lays egg on the victim and entomb them together. The wasp larva consumes the

cockroach for several days before pupating in its abdomen, further emerging as adult.

6) HOST: Amazonian ant (*Dinoponera longipes*)

PARASITE: Ophiocordyceps fungus (*Ophiocordyceps sp.*)

Pity ant afflicted by the mindsucker Ophiocordyceps. When spores of the fungus land on an ant, they penetrate its exoskeleton and enter its brain, compelling the host to leave its normal habitat on the forest floor and scale a nearby tree. Filled to bursting with fungus, the dying ant fastens itself to a leaf. Fungal stalks burst from the ant's husk and rain spores onto ants below to begin the process again.

THE BENGAL KITCHEN

Reeti Banerjee, T.Y.B.A. English

Cuisines: Bengali.

Cost: Approx 400/- for two people

Address: Shop 9, Simran Corner, Govind Garden Chowk, Next to Monginis, Pimple Saudagar, Pune.

Located right next to the Monginis outlet at Govind Garden Chowk, this lovely little place is easy to find. After trying a few Bengali restaurants in Pune, I came across this one through Zomato. The food here, reminds me of home! I've ordered a couple of times from this place and it never fails to make me happy. On my recent tour to this place, I ordered a Fish Kabiraji (Boneless fish marinated with spices and fried in egg net), which is one of the most popular delicacy of Kolkata. The waiter presented it before us in just ten minutes. The cutlet inside all those huge egg coatings was so thick and delicious with wholesome boneless Bhetki fish patty. Consider your meal's done after having it.

But the waiter suggested that I should try Fish Munia aka Batter Fry, which basically is a famous appetizer of the place. There were three medium sized boneless fish fillets covered in flour and butter which simply melted in my mouth.



Then we had Kolkata Chicken Biryani which tasted like the good old Bengali biryani, with a strong aroma of spices, coupled with a big-sized masala potato, one boiled egg and a fleshy chicken piece. It has a unique taste of its own and is much friendlier to your tummy. However, it could've been better if the chicken pieces were more in number. They serve only one piece per plate which creates a tussle when two people binge on!

Kolkata Fish Combo: It comes in a plate of plain rice and fish curry. The type fish depends upon the ones that the restaurant has in stock. The curry was light and served with two pieces of fish. Goes very well with plain rice.

Aloo Jhuri Bhaja: Crispy potato shreds with Kasundi (a typical Bengali sauce made by fermenting mustard seeds and is eaten along with pakodas, sandwich, pizza or any other light snack).

The restaurant is two storied but tiny in terms of space, but you don't really mind after the fine hospitality from the Bengali 'dadas' and songs being played from Manna Dey, Hemanta Mukhopadhyay and Bhoomi albums. You must have a meal at The Bengal Kitchen when in Pimple Saudagar, or you'll be missing out on some really good fish preparations.

A recipe has no soul, you as the cook must bring soul to the recipe
– Thomas Keller

Food Tastes better when you eat it with your Family
– Unknown

Reasons Why doing Practicals Plays An Important for Role In Our Educational Learning...

Pooja Davajekar, T.Y.B.Com. 'A'

What form of education do we need ?

This question pops up in my mind, every time I sit in a lecture or when trying to complete a journal, project or an assignment.

Which type of education may help enhance our abilities more? Theoretical or Practical..?

Both have equal importance in our lives.

Personally, I am not a very big fan of theoretical education but, I find practical knowledge/teaching more interesting and easy.

After having a small survey with my classmates, I found many amazing and interesting views, as we all too may have .. Some students found Practicals as advantage and some as a disadvantage.

Yes, they are !!!

And practical involves all this, we get to show our creativity and our own interests. And it is pretty obvious, when you find something interesting and have got your heart in it, seems more easy.

- Motivates Team Work -

Most of the practical imparts activities involving team assignment and due to this, each and every student gets to participate, manage and improve their skills. (Team Management)

- It does not Require Mugging up -

Some people have the ability of remembering everything they read once, but others have to try very hard in order to retain it. Practical does not need to be



But, here I feel that, the reason why Practicals have to be given importance are..

- **It Develops a better Understanding -**

Just by reading from the books, things cannot be understood, even after it may be explained in the best manner. But if you actually get to see it happening in front of your eyes, you understand.

And Practical education includes this.

- **It Includes Practice -**

Reading over and over, again and again can be of a little help, but, by performing activities or experiments based involves practice. And as we know "Practice Makes A Man Perfect".

- **It Improves Skills -**

Visits and exercises based on practicals, are meant to improve our skills, which can be obtained through just practical knowledge. Observing and then implementing helps us more. It also improves our managing skills, communication skills, which are later given more importance in real lives.

- **It is more Interesting -**

Visits, trips, projects, experiments, aren't they more interesting than books and lectures..?

mugged and that's easier.

- **Knowledge Remains in our minds -**

As practical knowledge stays in our minds, than theoretical knowledge, we remember it more easily and helps us remember more..

We had Practicals for Banking and Audit and Tax for doing these practical, we visited Banks, Financial Institution, Tax consultant, Firm, etc.

We learnt many things during these visits, like taking appointments, to use words like 'please', 'thank you', and more.

We also learned taking down notes, asking questions, which helped us in clearing our doubts in theories.

We also had class presentations and seminars which parted with skills of presentation etc.

We also had guest lectures which helped us to interact with experts.

So after reading this, I hope I must have been little bit successful in changing your thoughts about :

'Why practical education is important '.

OUT OF THE BOX-PASSION FOR FASHION

Sameera Chauhan, Department of Fashion Technology

Being the youngest I always wanted to be the best, in all aspects and dressing was the most important thing. My pursuit to look out of the box was since my childhood. My heart gave a call for things that were really fashionable at that time in my town. My aunt who stayed in a metropolitan city then called me "The Gucci Girl". I didn't really understand the meaning but I liked it. It was always that what I liked was not much appreciated by crowd, but wearing my choice was my choice.

Days passed and like most of all I admitted myself for B.com here in Pune. JM Road, FC road were my favorite hangouts, only to window shop and wonder why can't I look like a fashion model. I did never realize that my urge for fashion and styling can really be my career. One day roaming around having gala time with my friends, I came across Department of Fashion Technology and learned that I can study fashion here along with my commerce graduation degree that was a cherry on cake for me.

Admitted to the course I was really happy thinking about all the hotch-spotch of fashion world. Ahh!! I was gonna be part of all this glam and really show it off in my mates. Being out of the box was once again gained.

As the course started, I could see a different scenario than I thought of. Instead of just flaunting my outfits (which I thought were the best), I had to pull up my sleeves, knot my hair up and work with stitching, drawing, embroidery, textiles, market surveys, projects, presentations and a line of submissions with deadlines running fast. Hush!!! Going through all these submissions and commerce exams was a task, but I had started enjoying it. Creativity started giving me pleasure and satisfaction. Designing patterns, stitching and styling them and wearing it (now flaunting it in the real sense) made me feel great.



A year flew quickly and now I look back to realize the great change in me and my ideology. Now I know fashion designing is not glamour and show off, it is about knowing to read people and style them accordingly. Its working day in and day out, its knowing how textiles, surface ornamentation go hand in hand to make an outfit look a million dollar piece. The glamour of fashion is working on garments and presenting them. The submission deadlines actually taught me time management, which is a very important lesson of my life.

The little small town "the Gucci girl" now really knows that fashion designing is not modeling or only a tailoring course, it has many technical aspect to it without which a designer can't be a brand.

Just a year of diploma taught me so many aspects of fashion designing. It gave me immense confidence, that increased when I started taking orders of my friends and even designing and manufacturing costumes for school annual day gatherings. All the credit surely goes to Department of Fashion Technology and my dear teachers.

Though I will get a certificate that says Diploma in Dress Designing & Tailoring, my friends consulting me about their garments gives me immense proud feeling. The course really turned me right to look forward and once again made me out of the box.

Untitled

So many things in the heart
but only few are on lips
the storm is inside my heart
against the world that underestimated me
Just because I don't fight
doesn't mean I don't have strength
Just because I don't express
doesn't mean I don't feel
One day the storm will get to its peak
bringing me out of the weak
then all the prejudice they have against me will be
gone
It's the day I'll prove myself,
They'll wonder where I was for so long
Pranita Date, S.Y.B.A.

DESIGNER BABIES, A TECHNOLOGICAL DILEMMA!

Rashmi Bhosale, T.Y.B.Sc. Microbiology

What are designer babies?

Are designer babies good\bad?

Are they really the need of the era?

Upon hearing 'designer babies', these are some common questions that may pop in anyone's mind.

How much ever 'glamorous' the term may sound, the basic question is , are they really useful? The thought of parents picking and choosing the genes of their children, sounds doubtful but is interesting.

Designer babies is a term used for genetically engineered birth, when an embryo is selected for certain set of traits. Generally genes are inherited, naturally, from both biological parents and each gene expresses a specific trait. When these genes are altered or replaced by a desired gene, using technology, in vitro, it is called a genetically engineered cell. When this engineering is done on an embryo, it is known as genetically engineered baby.

The main purpose of the invention of any technology is its benefit to the society. With genetic engineering, screening for genetic diseases, optimizing the traits of a child through genetic selection and the ability to alter the child cosmetically, i.e. the phenotypic characters, is possible.



By editing DNA of cells or embryo itself, it could be possible to correct disease genes and pass those genetic fixes on to future generations. It might also be possible to install genes that offer lifelong protection against infection and Alzheimer's.

Genetic engineering has many ethical issues too. The use of genetic selection as a means to prevent or cure specific diseases can be said to be ethical. But the selection based on benign characteristics are not said to be ethical.

Main ethical issue with pure germline modification is that these types of treatments will produce a change that can be passed down to future generations and

therefore any known or unknown error will also be passed down and will affect the offspring. There are chances of new diseases being introduced accidentally.

It has been suggested that if designer babies were created through genetic engineering, this could have deleterious effects on the human gene pool. Other fears related to same are-

- Children would be the subject of experiments.
- This would encourage the spread of superior traits, that would affect the people not yet born, without their consent.
- Genes, seeming fashionable in one generation may prove to be harmful in the next.
- Parental control of the gene pool could reduce valuable forms of diversity.

Hence although useful, it has many other problems that may pose a risk to the society. Indeed the risks are very high.

What we ought to do is use this technology responsibly. We should harness its power to achieve good outcomes.

Eine Reise zu entdecken

Das Leben während einer Reise,
taucht in dem tiefsten Tal...
und funkelt wie der erste Sonnenstrahl!
Es bezeichnet Hoffnung und Sicherheit,
aber keinen Platz für Undeutlichkeit...
Es tanzt mit Träumen und Gedanken,
und lässt die Eile zwischendurch gebrochen...
Auch die Freude und Tränen,
werden fast vergessen;
wenn man es erlernt,
ohne Zweifel zu atmen...
Die Ansicht der Reise,
legt man immer in die Geheimnisse...
und vergisst das Leben zu erleben!
Aber das Leben ist selbst, eine Reise zu
entdecken!
Aber das Leben ist selbst, eine Reise zu
entdecken...

-Aditi Jagdale, T.Y.B.A. (German)

13 Reasons Why: A Review

Reeti Banerjee, T.Y.B.A. English

Suicide is a difficult topic to tackle without being sensationalist or reductive. But **13 Reasons Why** manages to fall into both of these categories at once. “Everyone is just so nice until they drive you to kill yourself” claims **Clay Jensen**, the 17-year old protagonist of 13 Reasons Why, the original **Netflix** series which is causing havocs across the world.

The adaptation of **Jay Asher’s** 2007 novel **Thirteen Reasons Why** follows a group of 12 high school students as they piece together a story as it is described on a series of cassette tapes left for them their classmate Hannah Baker, who has died by suicide.

Executive produced by the actress and singer **Selena Gomez**, the small-screen adaptation follows the reactions to the unravelling mystery of **Hannah Baker’s** death.



When I read Jay Asher’s novel, I remember being struck by its truthful portrayal of teenage insecurity and hostile school environments. I was genuinely excited when I heard that it was being adapted for **Netflix**. An intelligent, sophisticated teen show has been long overdue, and Asher’s novel seemed like the perfect starting point.

Unfortunately, the show is way too long. Jay Asher’s 288 pages have been stretched into 13 hours of television. The result is a TV series that falls short of encouraging the same empathy and understanding as the book does.

It depicts Hannah’s suicide as a means of exposing the actions of her peers and making them feel guilty rather than exploring the nuances of mental illness. Of

course, bullying can be a contributing factor towards suicidal thoughts and behaviour, but it is wrong to portray it as a direct cause – a lazy and unforgivable simplification of the infinitely more complex nature of mental illness. **13 Reasons** attempts to take on suicide without so much as a token mention of the word “depression”.

The suicide scene itself is almost unbearably difficult to watch. To its credit, it contains no euphemistic photo montages or sad indie ballads, but the realism of the scene feels uncomfortably close to a how-to guide to suicide. It teeters dangerously on the edge of emotional torture, a territory already frequented at an alarming rate by the very teenagers that the show is desperate to help. The show is right to be trying to provide teenagers with a lesson in compassion and sensitivity, but watching Hannah Baker cut her wrists in High Definition isn’t doing anything for youth suicide prevention.

The other side of a Proverb

Almost every proverb has an equal and opposite proverb. It is like two sides of the same coin.

- “Many hands can make light work”.
BUT “Too many cooks spoil the broth”.
- “Absence makes the heart grow fonder”.
BUT “Out of sight is out of mind”.
- “Hold fast to the word of your ancestors”.
BUT “Wise men make proverbs and fools respect them”.
- “Don’t cross bridges before you come to them”.
BUT “Forewarned is forearmed”.
- “You are never too old to learn”.
BUT “You can’t teach an old dog new tricks”.
- “Birds of a feather flock together”.
BUT “Opposites attract”.

Amtullah Shabbir Ghadiyali,
S.Y.B.Sc. Comp. Science

STRESS: TODAY AND TOMORROW

Ashwini Avdhut Deodhar, XI G Commerce

These days we all go through some sort of stress, it is minimal or extreme. We even have been distanced by social media though it has brought world closer. But we don't have somebody to speak with openly.

Here are some solutions for when we are stressed out:

1. Write down on a page:

When we feel stressed out we feel like crying but sometimes it doesn't feel appropriate to cry out or even if we cry, it isn't sufficient. So instead of crying we better write down what we feel in the language we feel comfortable in or even in mixed languages. We necessarily need to express ourselves. That's where it'll make a difference.

2. Scribble:

If you are not comfortable writing down your feelings, or if we don't get enough time or if we fear that if someone reads it, what will happen? So another option is scribbling on a page and tearing it. It can even be a newspaper.

3. Write to a person and reply to yourself:

If you feel that a person can solve your problem, write to him/her. Even though due to some reasons you can't reach him, write to that person. And then anticipate what advice that person would have given you and most of the times you get your solution by yourself.

4. Talk with a person who doesn't judge you:

Maybe every person doesn't have somebody to speak with who doesn't judge you. But yes, some people are lucky enough to have a person like that. So you could just go to the person and speak out. And it helps.

5. Boys may think that crying is an indication of weakness and not only boys but girls also consider this. But it's just not true. If you are not able to express your feeling or your stress, crying is the way out. If you keep on suppressing your feelings and keep your stress suppressed, you surely are going to have a short life. That is why men suffer more heart attacks.

So we should express ourselves in whatever way possible. Thus, maybe it would lessen our miseries and

regrets. So let's take baby steps towards our mission of letting ourselves open-up and lessen our stress.

THE ROAD UNSUNG

When the journey seems long,
And the destination unclear,
And lurking all around,
Are the shadows that you fear.
When the stakes are high,
And your luck seems low,
Do you back out,
Or do you go with the flow?
When the path seems to wind forever uphill,
With unexpected turns and unforeseen twists,
Do you hold your chin up;
March ahead with pride?
And say, 'I can!'
Or at least, 'I'll try'.
When clouds of doubt darken the skies,
Let the light in your heart be your guide.
On your way to the top,
Be as fast as you can be.
But always lend a helping hand,
to those in need.
When every step forward, seems like several back,
And people remind you, of everything you lack,
Take your scars, faults and weaknesses,
wear them like a crown,
And flash your best smile!
Leave the rest to frown.
Because the secret to winning,
Was never in not failing,
It is in getting up eight times,
If you fall down seven!
The world may hammer at your legs,
They may break your bones,
Drive you to a cliff,
and cast the last stone.
It is now that you must listen,
To that voice in your head,
'Come on! Stretch your wings!
And fly instead!'

- Salonee Martins, T.Y.B.Sc. Microbiology

RECENT REVOLUTIONARY CHANGES IN INDIAN ECONOMY

Siddhika Pawar, Shivani Patil, S.Y.B.Com

India's adoption of LPG policy in 1991 was a big bang, but the fact that there has been no major reform since then had become a drag on the growth of Indian economy. Need was felt for another big bang. Many phenomenal changes have been seen in the Indian economy in recent times. Many bold and decisive actions were taken to accelerate the pace of development. The measures for economic development can truly be described as "Revolutionary Changes". Some of these major changes are mentioned below:

1. GOODS AND SERVICE TAX (GST)

Goods and Service Tax (GST) is a comprehensive tax levy on manufacture, sale and consumption of goods and service at national level (Except state of Jammu and Kashmir) under which no distinction is made between goods and services for levying of tax. Every person in a supply chain is liable to pay tax on his output and is entitled to get inputs (therefore a tax not on the entire amount but on value addition only is charged) which the final consumer will bear. GST is expected to be applicable from **1 July 2017**.

In 2016, GST Bill was introduced as The Constitution (101st Amendment) Act 2016, following the passage of Constitution 122nd Amendment Bill. The GST is governed by GST Council and its Chairman is Union Finance Minister of India- Arun Jaitley. A 21 member select committee was formed to look into the proposed GST law.

It is touted as the single **largest tax reform in India since independence**, making Indian taxation system as

"ONE COUNTRY

ONE TAX

ONE MARKET"

Features of GST:

Dual GST:

CGST: Central GST

SGST: State GST

IGST: Integrated GST

On **intra-state** transactions and imported goods or services CGST+SGST will be applicable and on **interstate** transactions, IGST will be applicable. IGST simplifies tax collection for state Governments by

enabling them to collect the tax owed to them directly from the Central Government.

Taxes to be subsumed

CENTRAL TAXES: Central Excise duty, Service tax, Additional Customs/Excise Duty, Central Sales Tax.

STATE TAXES: VAT, Octroi /LBT, Purchase tax, Luxury tax, Taxes on lottery, betting and gambling, Entertainment tax etc.

Not subsumed in GST:

Basic Customs duty, Alcohol for human consumption, Petrol/ Diesel/ Aviation fuel/ Natural gas, Stamp duty and Property tax, Toll tax, Electricity duty.

Destination principle

The GST structure would follow the destination principle. Accordingly, imports would be subject to GST, while exports would be zero-rated, meaning exporters of goods and services need not pay GST on their exports. GST paid by them on the procurement of goods and services will be refunded as similar to present scenario. In the case of inter-state transactions within India, State tax would apply in the state of destination (consumption) as opposed to that of origin (production).

Registration:

Threshold is Rs. 10 lakh for special category states, and Rs. 20 lakh for rest of India. Approximately 7-8 million businesses are likely to be registered under GST.

Expected rates

The GST Council has finalized the four-tier GST tax structure of 5, 12, 18 and 28%. Basic commodities like food grains, etc. will be zero rated. Tax rate for Cosmetics maybe 18 or 28%, telephone, banking, hotel, etc. at 18%, luxury cars, cigarettes, etc. upto 40%.

Items not included under GST

Alcohol, tobacco, petroleum products, sale and purchase of securities (will continue to be governed by Securities Transaction Tax).

Some Benefits of GST

- Easy compliance, improved competitiveness, technological backing, Common Accounting Codes and uniform Electronic payment process across

India will contribute significantly to '**Ease of doing Business**'.

- Removal of multiplicity of taxes and their cascading effects of taxes.
- Free movement of goods from one state to another without stopping at state borders for hours to pay state tax or entry tax.
- Wider tax base, necessary for lowering tax rates, minimizing exemptions and eliminating classification disputes.
- Overcome the practice of splitting the transaction values into value of goods and services for taxation purpose leading to greater complications and increase of administration costs.

For central and state government

- According to experts, implementation of GST will promote more exports, create employment opportunities and boost growth and India may approximately gain **\$15 billion** a year.
- Full implementation of GST could expand India's growth of **GDP** by **1.5-2 %** points

The Central Government has assured to **compensate** the loss of revenue by **State Governments** for a period of **5 years**.

It is clearly a **long term strategy**, as in the initial stage it will cause higher administrative costs, hike in inflation rates, but in long run will increase investments, output, employment opportunities and thus higher economic growth.

1. ESTABLISHMENT OF NITI AAYOG :-

After Independence first time planning commission is replaced by NITI Aayog. **National Institution for Transforming India** is a Government of India policy established by the Narendra Modi government. The objective behind this is to increase involvement and participation in the economic policy-making process by the State Governments of India. The emphasis is on bottom-up approach. The Union Government of India announced the formation of NITI Aayog on 1 January 2015, and the first meeting was held on 8 February 2015. The Prime Minister serves as the Ex-officio chairman. The governing council consists of all state Chief Ministers, chief ministers of Delhi and Pudicherry, Lieutenant Governor of Andaman and Nicobar, and vice chairman nominated by the Prime Minister. In addition to full members, there are two part-time members and four ex-officio members and a chief executive officer. The temporary members are selected from the leading universities and research institution. The first Vice Chairperson of Niti Aayog is Arvind Panagariya and first CEO is Amitabh Kant.

The centre-to-state one-way flow of policy, that was the hallmark of the Planning Commission era, is now sought to be replaced by a genuine and continuing

partnership of states. 'One size fits all' approach to economic planning is obsolete. It cannot make India competitive in today's global economy.

Among many functions that NitiAayog performs, three stand out: promotion of cooperative, competitive federalism; assisting the central government in policy making; and serving as the government's think-tank.

Sustainable development goals:

It includes goals like no poverty, zero hunger, quality education, gender equality, climate action, affordable and clean energy etc.

Various schemes were undertaken by NITI Aayog. Some major schemes are as follows:-

ATAL INNOVATION MISSION:- It has two core functions:

- **Entrepreneurship promotion** through Self-Employment and Talent Utilization, wherein innovators would be supported and mentored to become successful entrepreneurs
- **Innovation promotion:** to provide a platform where innovative ideas are generated

Digital payments :- In a transformative attempt to weed out black money and corruption from public life, the Government of India has constituted a Committee of Officers to enable 100 per cent conversion of Government – Citizen Transactions to the digital platform. It includes 100days DigiDhanmela, BHIM Mela etc.

NITI Aayog has been entrusted with the role to co-ordinate 'Transforming our world: the 2030 Agenda for Sustainable Development' (called as SDGs). Moving ahead from the Millennium Development Goals (MDGs), SDGs have been evolved through a long inclusive process for achievement during 2016-2030.

2. DEMONETIZATION:

In a surprise address to the nation on 8th November 2016, Prime Minister Narendra Modi scrapped the use of Rs.500 and Rs.1000 notes (together comprising 86% of all the cash in circulation) with immediate effect from midnight of November 8, ceasing them to be legal tender except for a few specified purposes. He also informed that people can deposit these notes in their banks till December 30, 2016, which was further extended to March 31, 2017, after they provide ID proof. Restrictions were placed on the convertibility of domestic money and bank deposits. New currency notes of Rs.500 and Rs.2000 were issued. The decision to change all the currencies will at least cost Rs. 12,000 crore to RBI.

The aim of this action was fourfold: to curb corruption, counterfeiting, the use of high denomination notes for terrorist activities, and especially the accumulation of black money generated

by income that has not been declared to the tax authorities.

The immediate effect was seen to be adverse on the entire economy as the transactions got on hold due to cash crunch. It completely disrupted the social, political and economic spheres of the world's second largest emerging market. It caused inconvenience to common people because of shortage of cash: there are more than 30% who don't use bank accounts. It was very difficult for half of the population who are not well versed with card transactions.

Immediate **effect** on some of the sectors was:

The **8%** GDP that looked within grasp in FY 2017, is now estimated to decline to **7%** or even less. As the transactions were at halt jobs had an adverse impact as industries tried to protect their revenue/ profit targets. Sale of Fast Moving Consumer Goods dropped 20-30% in November. Supply chains were hit as cash fuels many transactions. There was probably 40%+ drop in enquires and sales of real estate in metro cities. For the online retail market, gross merchandise value (GMV) of players fell by 40-50% in first few weeks after demonetization. But the boost to digital payments has led industry to hope for a bright term. Grocery and food delivery set-ups saw new customer orders jump to 25%, from the usual 15-16%. Peak tourism period of November- December badly hit (down by around 40%). At the retail level, sales for cars without waiting was down by 30-50%, two wheelers and commercial vehicles have been hit harder. Aviation, telecom, gold, entertainment sector, basic needs providing services like hawkers; small vendors etc. also had adverse impacts.

The way it was planned and handled could have been better.

The government had made an arrangement for printing Rs.2000 notes of value around 4 lakh crore before the announcement of demonetization. They became the new notes to be dispensed by ATMs, but still there was a problem as there was not enough supply of change (smaller denominations) to divide the note. What shows lack of preparedness is that RBI started printing Rs.500 notes only after November 30.

Demonetization has had short-term costs but holds the potential for long-term benefits. Drop in the economic activity, if any, to be temporary. It encouraged use of plastic and electronic money. Banking sector will get a boost, as around Rs. 14 lakh crores base money (new legal money) will enter the system.

It has the potential to generate long-term benefits in terms of reduced corruption, greater digitalization of the economy, increased flows of financial savings, and greater formalization of the economy, all of which

could eventually lead to higher GDP growth, better tax compliance and greater tax revenues.

Needed action to reduce the magnitude of short term costs included **REMONETISING** the economy expeditiously by supplying as much cash as necessary, especially in lower denomination notes. Pace of remonetisation (replacing the old discontinued currency with new currency) has picked up and will soon reach comfortable levels. In case the Central Government plans to reintroduce the entire currency worth almost Rs. 14 lakh crore that it withdrew, it could take up to August, 2017.

3. **PRADHAN MANTRI JAN DHAN YOJANA:-**

Pradhan Mantri Jan Dhan Yojana (PMJDY), one of the biggest financial inclusion initiatives in the world, was announced by Prime Minister, Shri Narendra Modi on 15th August 2014 from the ramparts of the Red Fort and was launched on 28th August.

This National Mission has an integrated approach to bring about comprehensive financial inclusion and provide banking services to all households in the country. The scheme ensures access to a range of financial services like availability of basic savings bank account with a debit card with inbuilt accident insurance, access to need based credit, remittances facility, insurance and pension.

On the inauguration day, 1.5 Crore (15 million) bank accounts were opened under this scheme. The Guinness World Records recognizes the achievements made under PMJDY; the Guinness World Records Certificate says "The most bank accounts opened in 1 week as a part of financial inclusion campaign is 18,096,130 and was achieved by Banks in India from 23 to 29 August 2014". By 1 February 2017, over 27 crore (270 million) bank accounts were opened and almost Rs.665 billion (US\$10 billion) were deposited under the scheme.



The main features of PMJDY include Rs. 5,000 overdraft facility for Aadhar-linked accounts and a RuPay debit card with inbuilt Rs. 1 lakh accident

insurance cover. In addition, for accounts opened between 15th August 2014 and 26th January 2015, a Life Insurance cover of Rupees 30,000 is available to the eligible beneficiaries. One of the salient features of Pradhan Mantri Jan Dhan Yojana is that after remaining active for 6 months, the account holder will become eligible for an overdraft of up to Rs 5,000.

4. MAKE IN INDIA :

Make in India campaign was launched in New Delhi by the Prime Minister Narendra Modi 25th September 2014. It is an initiative to make a call to the top business investors all across the world to invest in India. It is a big opportunity to all the investors to set up their business (manufacturing, textiles, automobiles, production, retail, chemicals, IT, ports, pharmaceuticals, hospitality, tourism, railways, etc) in any field in the country. This attractive plan has resourceful proposals for the foreign companies to set up manufacturing powerhouses in India. India emerged, after initiation of the programme in 2015, as the top destination globally for foreign direct investment (FDI), surpassing the United States of America as well as the People's Republic of China. In 2015, India received US\$63 billion through FDI.

Manufacturing currently contributes just over 15% to the national GDP. The aim of this campaign is to grow this to a 25% contribution as seen with other developing nations of Asia. In the process, the government expects to generate jobs, attract much foreign direct investment, and transform India into a manufacturing hub preferred around the globe.

In August 2014, the Cabinet of India allowed 49% foreign direct investment (FDI) in the defence sector and 100% in railways infrastructure. This was in hope of bringing down the military imports of India.

Today, India's credibility is stronger than ever. There is visible momentum, energy and optimism. Make in India is opening investment doors. Multiple enterprises are adopting its mantra. The world's largest democracy is well on its way to becoming the world's most powerful economy.

5. START UP INDIA :-

Prime Minister, Narendra Modi, had announced earlier on 15th August 2015 about a new campaign called as Start-up India Stand-up India. This campaign was launched with its complete action plan on 16th January 2016. This is a scheme which will promote bank financing for start-ups; that is for the youth of the country who have innovative ideas (necessary to bring nation on a new track). It will also offer incentives to them in order to boost entrepreneurship and job creation in the country. This programme is a big step taken regarding development in India by encouraging entrepreneurship among youths.

According to this scheme, each of the bank branches will support at least one Dalit, Adivasi and women entrepreneur in order to easily encourage them.

6. DIGITAL INDIA :-

Digital India is a project started on 1st of July, 2015 (from 1st to 7th of July as digital week) in order to transform India into a complete digitally empowered as well as knowledgeable country of the world. This project is interconnected by the various governmental departments such as IT, education, agriculture, etc in order to achieve promising bright returns. It is headed and planned by the ministry of communications and information technology. At the very start of the project launch, there was a plan by the state government to make available high speed internet connection in almost 250,000 villages and other residential areas of the country. The crucial role played by the "Bharat Broadband Network Limited (BBNL)" in this project is really appreciable.

In the digital India there would be easy digitization of data which will help in making things much more efficient and fast in the future. It will reduce paper work, save man power and save time as well. This project will take a speed by tying the knot between government and private sectors. All the cities, towns and villages in India will get more tech savvy. This project has been planned to be completed by 2019 with the investment of leading companies (national or international). It has been declared by the Ambani Group to invest around 2.5 lakh crore in the digital India project.

7. BUDGET:

The budget for FY 2017-18, had some fundamental changes.

- ❖ It was presented on the first day of February in contrast to the usual date of last day of February. It would enable parliament to avoid a 'Vote on Account' for the first few weeks of new fiscal year and to pass a single Appropriation Bill for FY 18, before the close of FY 17. Also projects and schemes could be set into action right from the start of new FY.
- ❖ The Railway Budget was merged with the Union Budget. Its separate presentation was a colonial hangover since 1924. The merging would help to take a holistic view of the country's transport needs, and facilitate multi-modal transport planning between railways, waterways and highways.
- ❖ The expenditure will no more be classified as 'plan' and 'non-plan'. It will only be classified as Revenue expenditure or Capital Expenditure.

Considering all these 'Revolutionary Changes in the Indian economy' and ensuring that their implementation is properly done, the **Aam Aadmi** can truly hope for "**Achhe Din**".

LIFE

Life is too short to complain.
As soon as we breathe, our life
brings new challenges before us.
We find new and different
Reasons to breathe!
In childhood, our reason was
our parents.
In adolescence, it's our 'so called love'
and in adulthood it's our 'partner'.
When we grow older we become
parents and our reasons shift towards
our children and gradually we find
no reason to breathe.
So, as we live here,
As we get nurtured here,
As we get loved here-
Try stealing reasons too.
Reasons just not to breathe,
But to laugh, to love, to care, to roll,
to mould and to change too.
Life comes with beautiful rides
You would enjoy swinging on!
With that it brings fears too-
that you need to overcome and live for
Your Present!
Within seconds, your motto of
desire to live would be taken
away if you don't utilize
it properly!
So, don't try to understand what life is.
Try to live it just the way you feel.
Fill your life with memories by
making friends who would no
matter what, support you through your thick
and thin and yes, respect each person you cross.
But before that, peep into yourself
and first, love and respect yourself
And befriend yourself.
Life will show marvels.
-Jigisha Siddhapura, S.Y.B.Com (D)

How are we friends ?

It's kind of funny how easily people give away titles,
without understanding and sometimes without even
meaning them.
Like saying someone is your best friend just after
spending two months with them.
I am not saying that you can define something like that
depending on the time frame.
But people often forget the responsibilities that come
with the titles.
So, this is to make you understand just some of it.
When I say, you are my best friend, it doesn't mean that
I need to be yours too.
It just means that I trust you implicitly with all my
deepest, darkest secrets.
It means that I tell you everything that is important to
me.
But it doesn't mean, you have to do the same.
Just because I am saying that you are my best friend,
DOESN'T mean that you have to say it back.
You are not obligated to do it.
And it's okay if you don't.
But it also means that when I say you are my best friend,
I need you to respect that and respect me enough to be
there to listen.
Even though You are not obligated to reciprocate that, I
need you to understand that my trust is not to be taken
for granted.
People often forget to give.
They keep thinking about how they shouldn't let
someone in or put restrictions on how much to open up
to someone.
They forget that when they say, they trust someone, it
actually means letting them in without expecting the
same in return.
They forget that when someone is entitled to their trust,
they are always vulnerable.
There is solace and chaos in that.
I think that's what the world needs.
"Trust".
Trust in yourself and the people you entitle it to.
Trust in the bond you share with someone.
Trust in the thought that people will come through.
And just another one of my favourite quote by Ted
Mosby from How I Met Your Mother.
"People don't get the chance to discover each other
anymore."
Don't build walls around you. Breathe. Grow. Love.
That's what makes life worth it.
One of The Best Quotes By Vin Diesel From Fast and
Furious
"I DON'T HAVE FRIENDS. I HAVE A FAMILY."
-Anthony Gangipogu, MCS-I (Computer Science)

THE LAST DROP

Salonee Martins, T.Y. B.Sc. Microbiology

"JAL HI JEEVAN HAIN"

How many times have we heard this phrase? And yet we take it for granted. Water, is essentially molecules of hydrogen and oxygen; yet this humble resource is the **basis of all life!**

About **75%** of the earth's surface is covered by water. Hence, it has been dangerously easy to assume that it is limitless! The saying, '**Water, water everywhere; but not a drop to drink!**', has become a painful reality.

If we compared all the water in the world to a gallon jug; **less than a teaspoon of it would be available for us to drink!**

DID YOU KNOW?

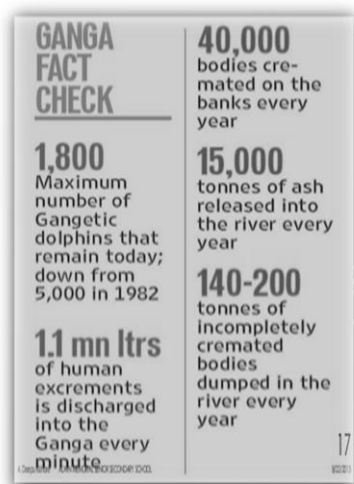
-97% of water is too salty; part of oceans and seas.

-2% is locked up in ice caps and glaciers.

-**Just 1% is fresh!** Utilisable for drinking, industry and agriculture.

For us, the city dwellers, access to an abundance of water has never been a problem; so much so that we consider it our right.

INDIA IS FACING A DEEP WATER CRISIS!



Greater than **75 million in India have no access to clean drinking water!**

It is estimated that **India could run out of its fresh water resources by 2025!**

RAJASTHAN:

In stark contrast to the cities, here, water is not found at the turn of the tap. One has to look for water, often for miles. While Rajasthan has been semi-desert for years, the locals have always found a solution to this. But, in the last couple of years, the ground water levels have been falling rapidly, in some places, **by**

more than a meter every year! As a result, they have to dig deeper wells; but the deeper they, the worse the quality gets. They now rely on water tankers, and spend upto a **fifth of their income on water alone.** Their fields lie barren. This fuels migration to big city slums.

Water is so scarce, it has spawned a black market in big cities. And what do we, the supposedly 'educated' do with our water resources? **WE POLLUTE IT!**

Perhaps the biggest example of this is that of the once beautiful, majestic, **RIVER GANGA!**



THE GANGA:

Arising in the Western Himalayas in Uttarakhand, this transboundary river of Asia flows through India and Bangladesh; into the Bay of Bengal. Its drainage basin covers four countries (India, Nepal, China, Bangladesh).

History:

The late Harappan period saw the spread of the Harappan settlement eastward from the Indus river basin, to the Ganga-Yamuna. The Ganga has been a lifeline to millions of Indians who live along its course, ever since.

Religious significance:

The river is worshipped as the goddess Ganga in Hinduism. All along its course Hindus bathe, paying homage to the Gods and their ancestors; offering prayers, flowers and diyas. The swift waters of the Ganga are believed to wash away sins of an entire lifetime. **The Ganga is 'the embodiment of all sacred waters', said to cleanse body and soul.**



Alas! The saying 'as pure as the Ganga', bears no merit, any longer! The Ganga is now the **FIFTH MOST POLLUTED RIVER IN THE WORLD!** (As of 2007)



Causes of pollution:

-An astounding 400 MILLION PEOPLE live along the Ganga. Huge amounts of sewage and industrial waste from the cities along its course; especially densely populated areas like Varanasi, is released into it.

-Religious offerings often wrapped in non-degradable plastic, form a major part of the waste dumped in the river. Large scale cremation of the deceased occurs at Varanasi's ghats. Therefore, bones, ashes and even uncremated bodies are allowed to float free in the river, to decompose!

-The poorer rely on THIS SAME WATER FOR COOKING, BATHING AND WASHING!

Impact:

-The waters are a major source of **gastrointestinal tract infections** like cholera, dysentery, hepatitis A, typhoid, etc.

- According to the Indian Council of Medical Research (ICMR), the waters are full of killer pollutants like **heavy metals and carcinogens!**

-Human development, mostly agricultural, HAS REPLACED NEARLY ALL ORIGINAL VEGETATION of the Ganges basin. Only one block of natural habitat remains, inclusive of the Jim Corbett, Dudhwa and Rajaji National Parks.

- Bengal tigers survive only in the Sundarbans area of the Gangetic delta.

- *Platanista gangetica gangetica*, the Ganges river dolphin, is endangered. The main threat being water pollution and dams. Only about **3000** are left in catchment areas!

-Levels of **faecal coliforms** (bacterial indicators of faecal pollution) from human waste in Varanasi is **100 TIMES the Indian government official limit!**

The Ganga action plan:

Launched in 1986, by then Prime Minister, Shri Rajiv Gandhi; it was an environmental initiative by the government, to clean up the river. However, it failed miserably! Due to: corruption, lack of technical expertise, poor planning with no understanding of human environmental interactions and above all, lack of support from religious authorities.

THE QUESTION STILL REMAINS; WILL THE GANGA EVER BE RESTORED?

Why go so far north? We have a very apt example of extreme water pollution right in our city of Pune!

THE MULA-MUTHA:

Formed by the confluence of the Mula and Mutha river at Sangam, Pune, it later meets the Krishna river and empties into the Bay of Bengal. The Mutha has its source in the Vegre village, whilst the Mula originates at Mula Devghar.

Sadly, this river has become well known, for all the wrong reasons! As the '**DYING RIVER OF PUNE**'. Saddening, isn't it? That something that gives LIFE, must itself, DIE?



Causes of pollution:

-**125 MLD of untreated sewage waste** let into the river by the Pune Municipal Corporation.

-**Huge amounts of construction material** dumped into the river, in light of increasing urbanisation.

- **Industrial effluent** let into river.

-Domestic practises along banks.

Impact:

-**Flora and fauna of the river has rapidly decimated.**

-Previously used to experience migratory bird activity, now seldom seen.

-The entire stretch up to meeting the Pawana river shows **algal blooms** and **extensive growth of water hyacinths** (evident of sewage waste).

-Construction material dumping has blocked its flow, resulting in the river drying up!

-Channelization of river has choked its springs and streams.

-The **dissolved oxygen levels are 0.4 mg/L; with a high chemical and biological oxygen demand.**



Which essentially means that the river is **UNFIT FOR MOST AQUATIC ORGANISMS** to live in!

The Mula-Mutha is no longer a river. It is a **SEWER**. **It is beyond the capacity of the river to cleanse itself!** Nature can only be pushed to a certain limit, and be expected to regenerate. We forget, that just as the land is our home, the rivers are home to so many living beings! How can we afford to blatantly pollute it?

With the ongoing water crisis in India, we need to ask ourselves; is what we call '**progress**' and '**development**' actually making our lives easier? **Or are we shooting ourselves in the foot? And what is the price we are willing to pay?**

Mighty dams will mean nothing, in the long run, if water is not of quality worth storing! We are over using our water resources, over tapping rivers, and over pumping ground water. **We are using some of tomorrow's water to meet today's selfish demands.**

How do **YOU** and **I** fit into all of this? It isn't just the job of the government to make provisions and plans! The simplest ways of often the best, and most eco-friendly. India receives adequate rainfall. **Harvesting** this water is an excellent solution and can be executed easily at the individual and societal level. We also need to **enquire** about how waste water in our area is disposed and whether it under goes stringent treatment.

So the next time you find yourself at the luxury of fetching, with ease, a glass of clean, safe drinking water; **STOP AND THINK**. You are blessed; and at the same time **responsible for your actions**. What you do today will echo into tomorrow!

Water is precious.

God forbid we reach the day when **all the money in the world may not be enough to buy the last drop of water**, or rather, do I mean.....**LIFE?**

Ein kleines süßes Kind....

Oben da,
in der stillen Nacht;
sehe ich den Mond, die Sternen, die Dunkelheit...
Ich habe mich sehr gefreut,
natürlich wegen der Schönheit!
Der Mond lächelt, macht kein Lärm;
die Grillen singen etwas süß und gern!
Die Bäumen sind schon eingeschlafen;
mit ihren Vögeln in den Nesten!
Gedanken kommen in meinen Verstand...
„Wie schön ist die Sehkraft...
So zärtlich, sehr herzlich!
Alle sind immer so glücklich!“
Dann weht ein fröhlicher Wind durch meine
Haare...
Wirklich,
die Natur beruhigt mich;
Als wäre sie,
ein kleines süßes Kind!
Oben da,
in dem heiligen Morgen;
sehe ich die Schmetterlinge, die Vögeln, die
Sonne...
Ich fühle die Luft, die die Sonne schon erhitzt hat...
Die wohnt in dem Himmel,
verschwindet in der Nacht!
So groß ist sie, aber sie hat kein Stolz,
denn...
sie lacht auch mit den Blumen,
die auf der Erde wohnen...
so herunter!
Gedanken kommen in meinen Verstand...
„Wie schön ist die Sehkraft...
So zärtlich, sehr herzlich;
Alle sind immer so glücklich!“
Dann weht ein fröhlicher Wind durch meine
Haare...
Wirklich,
Die Natur beruhigt mich...
Als wäre sie ein kleines süßes Kind!
Als wäre sie...
Ein kleines süßes Kind!
-Aditi Jagdale, T.Y.B.A. German

International Year of Sustainable Tourism for Development

Ashish Thorve, T.Y.B.Sc. Zoology

Every year the United Nations (UN) declares the specific year for specific subjects, such as 2007-International year of Desert and Desertification, 2016-International Year of Pulses. **2017 is declared as “International Year of Sustainable Tourism for Development”**. The purpose of this is to create awareness and so that the work is done in that subject throughout the globe.

The declaration by the UN of 2017 as the International Year of Sustainable Tourism for Development is a unique opportunity to advance the contribution of the tourism sector to the three pillars of sustainability – economic, social and environmental, while raising awareness of the true dimensions of a sector which is often undervalued

Sustainable tourism is the concept of visiting a place as a tourist and trying to make only a positive impact on the environment, society and economy.

Try to think about the money you spent the last time you went on an International holiday?? How were your expenses distributed? Was there cost of transportation, accommodation, food drinks or shopping?? Now ask yourself, what proportion of your total holiday expenditure contributed to the local economy of your chosen destination?

When we break down our holiday expenses and start to analyse who are on the receiving end of our money spent, we find that in most cases only a fraction stays within the local community. 'Tourism leakage', the phenomenon where the vast majority of tourism revenue leaks out of the local economy and into the pockets of big international companies.

Tourism has a fantastic potential to create local jobs, boost community development, infrastructure, and education. However, these benefits are hampered by a tourism leakage. What can we do to minimise tourism leakage? - Be adventurous, experience the destination you choose to visit. Eat, sleep, and explore locally. Immerse yourself in local language, customs, and culture, and embrace the fact that the world is colourful, diverse, and exciting.

Without travel there is no tourism, so the concept of sustainable tourism is tightly tied to a concept of sustainable mobility. Two relevant considerations are reliance on fossil fuels and effect on climate change. 72 percent of CO2 emissions come from transportation, 24 percent from accommodations, and 4 percent from

local activities. Aviation accounts for 55% of those transportation CO₂ emissions (or 40% ofttotal). However, when considering the impact of all greenhouse gas emissions from tourism and that aviation emissions are made at high altitude where their effect on climate is amplified, aviation alone accounts for 75% of climate impact.



Community-based sustainable tourism (CBST) associates the success of the sustainability of the ecotourism location to the management practices of the communities who are directly or indirectly dependent on the location for their livelihoods. A salient feature of CBST is that local knowledge is usually utilised alongside wide general frameworks of ecotourism business models. This allows the participation of locals at the management level and typically allows a more intimate understanding of the environment.

Tourism brings people to places they've never traveled, encouraging cross-cultural understanding and bringing business to those places. Done the right way, sustainable tourism will make the world a better place.

Sustainable tourism is built on the idea that communities can capitalize on their own resources to attract interested travelers. Variety of Jobs to Local Communities - Communities that have poor material wealth, but a wealth of culture, history, and heritage have an advantage.. Within those places are needs for tour guides, translators, cooks, cleaners, drivers, hotel managers and staff, and other needs, like access to medical care which translates to a need for doctors and nurses.

Rise of Responsible Travel - Travelers should consider eco-friendly practices when traveling, and that traveling for traveling's sake is less of an appeal than traveling with a purpose and some research. Global code of Ethics for Tourism- (GCET) is a comprehensive set of principles designed to guide key-

players in tourism development. The Ten Code principles amply cover the economic, social, cultural and environmental components of travel and tourism: Article 1: Tourism's contribution to mutual understanding and respect between peoples and societies.

Article 2: Tourism as a vehicle for individual and collective fulfilment.

Article 3: Tourism, a factor of sustainable development.

Article 4: Tourism, a user of the cultural heritage of mankind and contributor to its enhancement.

Article 5: Tourism, a beneficial activity for host countries and communities.

Article 6: Obligations of stakeholders in tourism development.

Article 7: Right to tourism.

Article 8: Liberty of tourist movements.

Article 9: Rights of the workers and entrepreneurs in the tourism industry.

Article 10: Implementation of the principles of the Global Code of Ethics for Tourism.

The year 2015 has been a milestone for global development as governments have adopted the 2030 Agenda for Sustainable Development, along with the Sustainable Development Goals (SDGs). The bold agenda sets out a global framework to end extreme poverty, fight inequality and injustice, and fix climate change until 2030. Building on the historic Millennium Development Goals (MDGs), the ambitious set of 17 Sustainable Development Goals and 169 associated targets is people-centred, transformative, universal and integrated.

Tourism and the Sustainable Development Goals - Tourism has the potential to contribute, directly or indirectly, to all of the goals. In particular, it has been included as targets in Goals 8, 12 and 14 on inclusive and sustainable economic growth, sustainable consumption and production (SCP) and the sustainable use of oceans and marine resources, respectively. Sustainable tourism is firmly positioned in the 2030 Agenda.

Tourism Carrying Capacity is defined by the United Nation's World Tourism Organisation (UNWTO) as "The maximum number of people that may visit a tourist destination at the same time, without causing destruction of the physical, economic, socio-cultural environment.

We all are familiar with the India's Diversity in culture, geography and its flora and fauna. There are 22 official languages, 150 speaking languages, and 1652 local languages in India. We have 103 National parks, 7516km long coastline, dramatically diversified mountains and valleys, Ancient caves, forts and

palaces. There are total 35 World Heritage Sites in India recognised by the UNESCO. Due to rich tourist places of India, tourism-if developed and maintained to international qualities but keeping the local resources intact, it will bring positive changes in economy of India. So in India all the raw material is available but there is need to manage all the resources in a sustainable and economic way. Then tourism will boost the economy and the locals will get benefited in all ways leading to development in rural areas.

Tourism for All – Promoting Universal Accessibility- UNWTO's commitment to accessible Tourism for All is guided by the Global Code of Ethics for Tourism, a fundamental frame of reference for responsible and sustainable tourism development. Article 7 of the Code recognises that "direct and personal access to the discovery and enjoyment of the planet's resources constitutes a right equally open to all the world's inhabitants".

The World Health Organization estimates that 15% of the global population, roughly 1 billion people, live with some form of disability. With populations ageing rapidly, the number of persons experiencing obstacles will only rise. Most of us will develop some form of disability at some stage, and sooner or later we will have specific access requirements to tourism infrastructures, services and products.

So what should be our contribution to Sustainable Tourism??



Well, travel eco-friendly, spend locally and take care that the natural and human resources are not harmed in any ways temporarily or permanently. After all what we need now is SIMPLE LIVING AND HIGH THINKING!!

Life is an Adventure, it's not a package tour.

- Eckhart Tolle

YOUNG ECOLOGISTS TALK AND INTERACT 2017 – A REPORT

(Tezpur University, Assam, Jan 2017)

Swapnil Shivaji Boyane (M. Sc. -I Zoology)

Shubham Santosh Shendge (T.Y.B. Sc. Zoology)

About YETI

- YETI is first-of-its-kind conference for students and researchers of Ecology, Evolution, Behaviour, Biodiversity and Conservation in India.
- It is entirely organized by student volunteers from across the country.
- This event serves as a friendly and inspiring platform for ecologists early in the career to present and discuss their work, exchange ideas, and strike up collaborations with contemporaries.
- YETI is a National level conference held annually for ecology students and researchers in India since 2009.

Modern College- Participants

1. Pratik Pramod Pansare (M.Sc II Zoology)
2. Saurabh Narendra Khandare (M.Sc II Zoology)
3. Balasaheb Vitthal Sarode (M.Sc II Zoology)
4. Swapnil Shivaji Boyane (M.Sc I Zoology)
5. Shubham Santosh Shendge (T.Y.B.Sc. Zoology)
6. Nikhil Ulhas Joshi (SPPU, Zoology)



Topics for Poster Presentation

- A Survey of Diversity in some families of Heteroptera from Pune, Maharashtra, India
- Ten interesting records of Assassin bugs (Reduviidae) from Daund, Maharashtra, India
- First report of life cycle of bug *Dicranocephalus lareralis* (Coreoidea: Stenocephalidae) from Maharashtra State

Popular and Plenary Talks

- Tsewang Namgail (Topic: Climate Change and Climate Ecology) Director, SLCT, India
- G.Umapathy (Topic: Biotechnological tools in Conservation biology) LaCONES, CCMB, Hyderabad

- Gowri Shankar (Topic: Ecology of Snakes and the King Cobra) Kalinga Centre for Rainforest Ecology, Karnataka
- Dr. David Bickford (Topic: Millennium Ecosystem Assessment) National University of Singapore
- Dr. Deepak Apte (Topic: Ecology- Deep in the sea) BNHS
- Dr. Nitin D. Rai (Topic: Social Science in Conservation Biology) ATREE



- Dr. Sudip Mitra (Topic: Global Environmental Policy and Crisis) IARI, New Delhi, India
- Shubhendu Sharma (Topic: Urban Forestry and Entrepreneurship) Director, Afforestt
- Dr. Kashmira Kakati (Topic: Cats on the Camera Trap) CEPF
- Dr. Shannon Olsson (Topic: Chemical Ecology) Cornell University, New York, USA
- Ms. Purnima Devi Barman (Topic: Challenges and Perception in Community Conservation) Aaryanak

Workshops

Sampling Techniques, Ecological niche modelling, Popular writing in Science and Conservation, Introduction to Biostatistics, Scientific Communication, Freshwater Ecology, Plant-Insect Interaction, Behavioural Ecology.

Places Visited:

Kamakhya Temple, KNP, ASZ

- The Kamakhya temple is a Hindu temple dedicated to mother Goddess Kamakhya.
- It is one of the oldest of the 51 Shakti Pithas.
- It is situated on the Nilachal hill, Guwahati, Assam, India.
- It is the main temple in complex of individual temples dedicated to the 10 Mahavidyas.

- It is an important pilgrimage destination for Hindus and especially for Tantric Worshipers.



Kaziranga National Park

- A world Heritage Site, the park that hosts two-thirds of the world's Great One-horned rhinoceros.
- It is one of the pride of the India.
- It is spread over a distance of 430 km².
- It was declared as Tiger reserve in 2006.
- The park is home to large breeding populations of elephants, deer's and wild-water buffalo and swamps deer.
- Kaziranga National Park is divided into Central, Eastern and Western range.
- Kaziranga National Park is one of the last area in Eastern India undisturbed by human presence.
- It comprises of many endangered species of plant and animals

Fauna we saw in Kaziranga

1. Bar headed Goose , Indian Wild Buffalo ,Indian Treepie ,Indian Roller, Jungle Owlet, Stork billed Kingfisher, Jungle fowl,Muntjac ,Marsh deer, One horned rhinoceros, Hoolock gibbons

Assam State Zoo and Botanical Garden

- Assam State Zoo and Botanical Garden is the largest of its kind in the North Eastern region
- It is spread across 432 acres
- The Zoo is home to about 113 species of animals and birds from across the world



Animals in Assam State Zoo

- Hoolock gibbons, Cassowary, Black kite, Greater Adjutant Stork, Leopard, Royal Bengal Tiger, Asiatic Lions, Leopard Cat, Himalayan Black Bear, One Horned Rhinoceros, Two Horned Rhinoceros, Stump tailed Macaque

We are grateful to Dr. Hemant V. Ghate for guiding us and Dr. Y. S. Shinde for encouragement. We the participants are grateful to our Principal Dr. R. S. Zunjarrao and Associate Professor Narendra M. Naidu, Head, Department of Zoology for granting permission and encouragement. Moreover, we express our special thanks for financial support rendered to us by our Principal through DBT Star College Scheme, New Delhi.

Broken

The dining room was full of gifts n' roses
but she wanted to see him instead
with his busy schedules he could never make it
decorations were done by the maid, she knew it.
She cried in his absence
the gifts couldn't make her feel his presence
she had all the wealth she ever wished for
now it was only him she wished for
With tears in her eyes
she looked at one thing
which was a broken photo frame
from their wedding night
Without repairing she kept it that way
she knew fixing it wouldn't fix her broken heart
anyway
she always had broken frame on the wall
because she liked it that way.

- **Pranita Date**, S.Y.B.A.

FORM IV

Statement about ownership and other particulars about
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I, Dr. R. S. Zunjarrao, hereby declare that the particulars given above are true to the best of my knowledge and belief.

Principal Dr. Rajendra S. Zunjarrao

The Writer

Gayatri Palande, F.Y.B.A.

Tanya sat in front of the typewriter, staring at the keys. The last words were visible over the line of the paper feeder. It read *'she walked along the street, looking for the alley specified by her lover...'* taking a deep breath, she resumed typing on the ancient machine.

'It wasn't long before her search came to fruition and she slipped into it, completely unnoticed. Once there, she leant against the slimy wall and pulled out a cigar and a lighter from her purse. "Need some help, ma'am?" "Why, thank you! I was not certain I could do such a difficult task on my own." A sharp bark of laughter was heard from the shadows from where the voice had first appeared. "I don't understand the reason for the knife to be hidden. It isn't as if the police will ever suspect anything. I want to keep it. It's an antique too!" "I am afraid that it is impossible for us to do so. It will have to be returned to the temple as soon as possible." "I guess you are right. Shall we proceed?" with that, she crushed the cigar into the mushy ground below.



The two women continued along the alley, holding each other's hands. They soon arrived at a dingy looking, abandoned house. They made their way inside to be greeted with a flurry of scraping sounds on the wooden floor and the squeaking of mice. Light filtered through the cracks in the grimy, broken window. The wooden structure of the building creaked as the wind hit against it. Spiders crawled around on their webs, waiting for their prey to come to them. The footprints of many mice were clearly etched on the dust-covered floor. The house was teeming with critters in complete, abandoned glory.

"Please be patient, Edith. Ulrika will be here soon." "I don't think I can afford to calm down, Jolene. After all, I am the one doing all the killings till now."

Seeing the flash of hurt flicker across Jolene's face, Edith cursed herself. She hoped that there would be a

day when she wouldn't hurt the woman she loved; either intentionally or unintentionally. "Oh my darling, I am so, so sorry! You know how foolish I am in this respect. I have no idea of what I should say and where I should say it. Please forgive me!" Jolene smiled, knowing well of Edith's dramatics as well as the truth behind her words. She leant forward and placed a soft kiss on her sweetheart's lips. "I know, my love. Please be a little patient. All will soon be okay and we will be able to live freely and happily once more."



Tanya sighed and stretched. She had been writing for nearly two hours now. Writing the story was not easy. One had to research about so many things- the various quirks and habits of the people in the 19th century. Yet, the story was going at a good, steady pace. She would have continued writing, but she was tired and in need of a strong drink, a shower and a smoke; though not strictly in that order. She paced out into the back yard, and sat on the tastefully placed stone bench. Her writing was at its peak at the moment. The previous two books she had sold had had booming success in the market. Teenagers all over were clamouring to read them. There were a few websites dedicated to them too! Both books were being re-printed for the fourth time now! She really hoped that people liked this book too. It was little bit of risk, writing this kind of thing, but people nowadays were a lot more accepting of the queer community. And it wasn't as if there were no gay men and women in the 1800s. She sucked on the burning roll of tar and paper, the nicotine in it coursing through her blood, energizing her, stimulating her brain. Sitting there, she smoked a few cigarettes more, enjoying the rush the nicotine gave. After crushing out the burning embers into the ash tray, she headed in.

She sat, once again, before the type writer. She sipped on the coke and vodka kept beside it. Her

characters were coming on beautifully and she felt that the story would soon be coming to a finish. All that was now left was the ridding of the main antagonist...

Edith sighed. How she wished that she were living in a society where people like Jolene and herself were accepted! A place where she could proudly go out in public, holding hands with her dearest. The person she had chosen to love. "I love you." "Oh! What a touching display, girls, it brought tears to my eyes!" came a shrill,sharp voice. "Hello, Ulrika, right on time as usual, I see." Edith said, her voice dripping with sarcasm. "Low on the sarcasm, if you will, you dirty piece of filth. You two are a disgrace to the name of God and all things pure." "We have done all that you asked of us." "Mercy on the lord! You do have a tongue Jolene!" Edith scowled at Ulrika's words, her anger boiling. What wouldn't she do to get rid of this woman! And trust this: she would, if only she knew where Ulrika had hidden the letters. The sole objects were her only protection. "Well, if you want to be free, and have these letters, all you have to do is kill one more person." "Who is it this time?" "Byron." Jolene's eyes widened. Byron was her brother, and one of Ulrika's previous escapades. "You're such a monster!"

Tanya ran her hand through her hair. It was getting quite late. Her eyes were drooping, if she didn't go to bed now, she would end up sleeping with her head on the typewriter. She was finally done with the story. The quiet, and slightly anxious Jolene had killed the vicious, blackmailing vamp finding courage in her anger. The first thing in the morning would be to call her editor and publisher; but now, her first priority was sleep.

She walked into her editor-cum-publisher's office. It was a quaint little place... Like a mélange of professionalism and artistic freedom both running rampant making the place seem artsy. "Here's the story." "How long is it?" "25 chapters." "Tea? Coffee? Or something stronger?" "No thanks, I have to leave now. I won't be available to meet or talk on the phone for a week. Mail me if it is really important."

She sat in the Starbucks cafe, sipping her coffee and staring out of the window. The blood stained knife lay next to her handbag, covered with her blue silk scarf... The taste of blood still lingered on her lips, giving the coffee a strange metallic taste. "I could get used to this taste..." she thought, licking her lips. She had a notebook open in front of her, a few words scribbled here and there. She took a sip from the steaming mug, the taste hitting her tongue, exploding in her mouth like a symphony of flavours. She closed her eyes, enjoying the flavour to the utmost. "Tanya, fancy seeing you here!" Tanya sighed; she had no option, but to interact with her publisher. Of course someone would

definitely turn up to spoil the mood. *Why did I ever think that I would get a moment's peace?* "Jordan. I was actually in this part for a... an errand." And that particular, homophobic errand is now lying in the rat-infested hovel at the moment. "I see... I know you said that I wasn't to disturb you for a week, but this is important. I would have mailed it to you, but seeing as we are both here, might as well get it over with... If you don't mind, that is." "I do mind, actually. I have an appointment with a salon close by. I need to be there in time and if we do get chatting, I am afraid, I wouldn't be able to keep it." "Well, okay then. I shall mail you the questions I have by tonight. That good?" "Yes, that would be perfect. Sorry once again; but I do have to keep an appointment." Saying that, she got up abruptly Slinging the greyish blue leather handbag into the crook of her elbow. The scarf also was pulled up snagging in the purse's unnecessary metal decorations.

She heard her sharp intake of breath mingle with the gasp of the man standing in front of her. She did not need to look at the man's face to see the look of shock on his face. It was evident enough. Instead, she looked down, staring intently at the knife. The blood on the knife had partially been washed off and the rest was covered by the spilt coffee.

Peter was instantly grabbing a handful of tissues, mopping up the mess, discreetly grabbing the knife with the wad of tissues. He then straightened up, untangling the scarf from the bag, handing it to Tanya. Tanya took it silently, still too shocked to react completely. She found the scarf to be heavier than its natural weight, as if it concealed something. They walked out of the café, her heels tapping on the wooden flooring. Stepping out into the sunlight, she slipped on the sunglasses with practiced grace.

The duo then walked down the street keeping a sharp yet subtle lookout for a specific alley that wasn't monitored by CCTV cameras.

He led her into the same alley she had been in; a few hours previously. He then gently took the knife from her, wiping it clean with a tissue paper, careful not to leave any evidence on the knife. The knife was duly disposed into the skip before them.

The ride in the cab to Tanya's place was really quiet. It was a sort of eerie calm where the silence is both soothing and frightening. Several thoughts were scrambling through her head fighting to get the upper hand. She kept fidgeting with the scarf in her lap, twisting one corner of it tightly and then releasing it just to repeat the same process once again. The memory of Peter calmly disposing the knife off flashed in front of her mind's eye. Only one question always appeared at the forefront right after the image... *Why?* She caught Peter staring at her through the corner of

her eye. She wanted to look him in the face and demand it of him; and yet never look at his face again. She was terrified. Her life would come crashing down around her if he blabbed. There was only one option left: Kill.



They entered the house, Tanya making a beeline for the bar, closely followed by her publisher friend; her next victim. "There is no use in trying to kill me, Tan. I won't give you away." With these words he walked up behind her and pulled the well-hidden knife from her loose grip. "Come on. Let's fix you up a drink."

It wasn't until they were sitting in front of the fire, strong drinks in their hands that Tanya spoke. "Why?" Jordan took a sip of his whiskey; swirling the golden liquid around. "Well, it is always good to help your peers."

Science through time

When man rubbed stones to cook his food,
When loved ones were diseased and died in woods.
When walking was the only way to travel,
The distance science has come, is something to marvel.
From gazing at the moon at night, to actually stepping
on it,
Every scientist giving in thoughts and doing their bit.
From bullock carts to flying high in the sky,
All this was possible because science taught us to ask
'Why?'

Science wins when an ailing person is cured,
While earlier he would be at mercy of the Lord.
But science wept for deaths by bombs and guns,
Destruction of Mother Earth and heaps of dead bodies
in tones.

Why don't we understand,
The salt that gives food it's taste,
Excess of it makes the dish a waste!
Overexploitation, overconsumption of science will
Cause damage un-repairable,
Why don't we strive and remove the bad label.
Let's hold hands and reverse the bad effects,
Because we biotechnologists are known to remove
defects.

Samruddha Patil, M.Sc – I (Biotechnology)

The English Language

The language of English is amusing.
Where else would you
Read something
That goes,
'What was the atmosphere when Past, Present &
Future
Walked into a bar?'
And the reply was,
'It was Tense'.
Do you know how I made that up?
With help from a friend named Dinosaur.
He's a total thesaurus;
That is if you want more!
Since you asked for more,
There has got *to be* one on the Bard for sure.
I heard Shakespeare always chose the mighty
pen,
Since pencils were either 2B or not 2B then.
Now that I am so engrossed,
Let me ask you an easy one,
In which you won't be lost.
Name two pronouns quickly.
You can say,
'Who, me?'
Christmas is my favourite time.
It's when my wish list I stop to write.
Surely people poke in their noses,
As I write to Santa's elves,
His subordinate clauses.
I love visiting the local aquarium on a holiday.
It's reassuring to know,
Someone else apart from me,
Is in deep water everyday.
Then I see this squid come along.
And I wonder,
If it was a group,
Would they be called a squad?
My friend Bertie,
Swore off ladies just recently.
My curious self asked him why.
'The last one was so possessive', he said to me.
'The same one you met,
Named, Apostrophe!'
I should take a short break now.
Since my photographic memory needs to develop
somehow.
Until then remember one thing,
Life's pointless says Geometry.
So resort to English instead,
Because it's so punny!
Roma Abhyankar, MA II (English)

Biochemistry – The Love of Every Cell

I started my journey of biotech after twelfth,
Everyone told me that biochemistry is the most
difficult subject. I went to the library and saw
many books,

Then I realized that it's not that difficult as it
looks. It's just the study of basic bio-molecules in
our body, We just have to see how they work in a
harmony.

The molecular logic of living organisms is very
interesting, The basic unit of life is self regulating
and replicating.

Before starting the study in detail,

You should know the thermodynamics well.

Types of bonds and properties of water are
important, You should learn the pH scale along
with the buffer.

The building blocks of the body are proteins,
These are composed of polypeptides and amino
acids, isn't it amazing?

Complex proteins are called enzymes sometimes,
Active sites of enzymes acts as sharp knives.

The immediate source of energy are the sugars,
These are made up of n number of monomers.

They can change their form via many pathways,
Providing us a continuous flow of energy always.

Lipids are a bit complex molecules present in the
membrane, Along with the proteins, they help in
the iron exchange.

Vitamins are present in very small quantities,
While learning their structures you'll face many
difficulties.

We enter the nucleus of the cell now, Where the
genetic material is present, wow!

DNA is composed of many nucleotides, Do you
still miss the polypeptides?!

There is a small difference between a nucleotide
and nucleoside, Answer correctly in the exam or it
will cost your pride.

DNA is a stable molecule surprisingly, That's why
it's transferred from generations to generations
conservatively.

If the DNA escapes from the cell that ruptures, It's
so long that it will take us to the celestial
structures!

After certain period, the cells are replicated, This
happens only when the genes are duplicated.

As I mentioned earlier, the cell is self regulating, It
just converts the energy which it receives from
the surroundings.

Power houses of the cell are mitochondria
distinctively, They use the ATP molecules as the
energy currency.

You will learn about glycolysis and oxidative
phosphorylation, Even if it seems hard, don't keep
it as an option.

Central dogma is the main process, In which
transcription and translation takes place without
any taxes.

Enzymes included in these processes are many in
number, Don't mess up the sequence that you have
to remember.

Hereditary information is stored in the genetic
code, To get your way through, you just have to
de-code.

All the genes of an organism are included in the
genome, Which condense later to form a
chromosome.

Many organisms are studied from bacteria to mice,
But the question of origin of life is still rolling on
the dice.

I just want to conclude at the end, Keep it simple,
don't make it complicated, my dear friend !!

Maitrali Mohan Relekar, S.Y.B.Sc Biotechnology

PHOTOSYNTHESIS IS DIVINE

Photosynthesis is divine

Fixing carbon using sunshine

It's thanks to plants that we've got a paper

They spill CO₂ from the air.

Reaping energy from the sun

It's efficient second to none

You grab the photons almost at will

protoporphyrin chlorophyll

Light reactions of system II

Split up water, making O₂

Electrons pass through schemes labeled 'Z'

Pumping protons gradient

ATP's made due to a shift

The protons spinning quite swift

An enzyme turbine, cellular maze

You know as A-T-P synthase

Carbon's fixed onto a substrate

Ribulose – 1, 5 – bisphosphate

Rubisco acts in efficiently

Splitting it into 3 PGs

If the enzymes grabs an O₂

It makes glycolate, it is true

The Calvin cycle works in a wheel

Giving plants a sugary meal

So photosynthesis is divine

'Cause it happens all of the time

From dawn to dusk and times in between

Solar panels truly are green....

- Ruchi NA. Singh, T.Y.B.Sc. Biotechnology

आठवणीतले विभा

डॉ. स्नेहल तावरे, मराठी विभाग आणि पदव्युत्तर संशोधन केंद्र.

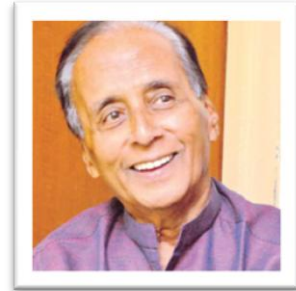
‘आठवणीतले विभा’ अशा शीर्षकाचा लेख लिहिण्याची वेळ माझ्यावर इतक्या लवकर येईल असे कधी वाटलेच नाही. परंतु ‘विभा’ नावाचे एक चैतन्यदायी नाट्य समीक्षक आणि माझे गुरुवर्य आज आपल्यात नाही हे नैसर्गिक वास्तव मान्यच करावे लागत आहे. विभांचा आणि माझा परिचय ४७ वर्षांचा. गुरुजनांचा एक मोठा प्रभाव विद्यार्थी दिशेत विद्यार्थांवर असतो आणि तो पुढे ही राहतो. आज मागे वळून पाहताना ‘विभा’च्या रूपाने मॉडर्न मधील मराठी विभागाची जडणघडणच दृष्टी समोर येते.

मॉडर्न महाविद्यालयाची स्थापना १९७० साली झाली. आजूबाजूला अनेक महाविद्यालये असतानाही केवळ शाळेच्या संस्थेच्या प्रेमेमुळे आम्ही काही जणी मॉडर्न हायस्कूल मधून मॉडर्न महाविद्यालयात आलो. आम्हाला शिकविणारे सर्व प्राध्यापक हे तरुण आणि उत्साही होते. मराठी विषयाला डॉ. भीमराव कुलकर्णी, डॉ. वि. भा. देशपांडे आणि डॉ. द. दि. पुंडे सर होते. कॉलेज तसे लहान आणि नवीन होते. बिल्डींगचे काम ही चालू होते. आमच्या वर्गात ५०-६० विद्यार्थी होते परंतु सगळ्यांची नावे आमच्या या सरांना माहिती होती. विभा आम्हाला नाटक शिकवायचे आणि त्यात ते रंगून जायचे. विष्णुदास भावे यांचे ‘सीता स्वयंवर’ हे पहिले नाटक येथून ते सुरुवात करायचे आणि विजय तेंडुलकर, जयवंत दळवी, वि. वा. शिरवाडकर, रत्नाकर मतकरी, पु. ल. देशपांडे अशा अनेक नाटककारांचा परिचय आम्हाला करून द्यायचे. एकीकडे त्यांचे पीएच.डी. चे कामही सुरु होते. या नाटककारांच्या गमती जमती आम्हाला सांगायचे. हे सांगत असताना त्यांचे योगदानही सांगायचे ते विसरत नव्हते. त्यांच्या एकूण शिकविण्यावरून आमच्या लक्षात आले की विभा = नाटक. विभा म्हणजे नाटक हे समीकरणच झाले. विभांनी नाटकाला जणू वाहून घेतले होते. पुरुषोत्तम करंडक स्पर्धेची तयारी ते विद्यार्थीकडून उत्तमप्रकारे करून घेत, त्यासाठी हवा तितका वेळ विद्यार्थ्यांसाठी ते देत असा त्यांच्या तयारीमुळे मॉडर्नला हमखास एखादे तरी पारितोषिक मिळे. महाविद्यालयाच्या स्नेहसंमेलनात विभांचा उत्साह आणि त्यांनी घेतलेले परिश्रम आजही आठवतात.

विभा आम्हाला नाटकात काम करणाऱ्यांबद्दल तसेच कलाकारांचीही माहिती देत. बऱ्याच वेळा त्यांच्या तोंडून एकेरी उल्लेख यायचा आणि आम्ही मैत्रिणी म्हणायचो “विभांचे सर्वच मित्र आहेत की काय?” पण ही गोष्ट खरी होती.

१९८४ मध्ये डॉ. भीमराव कुलकर्णी मुंबईला गेले आणि एक जागा रिकामी झाली. तोपर्यंत मी पीएच.डी. झाले होते. डॉ. रा. श. वाळिंबे पुरस्कारही एम.ए.ला मिळालेला होता. वर्तमानपत्रात

लिहित होते आणि दूरदर्शनावर एक बालनाट्य प्रक्षेपित झाले होते. इतक्या भांडवलावर माझी मॉडर्नमध्ये नियुक्ती झाली आणि विभांची विद्यार्थिनी असलेली मी सहकारी प्राध्यापक झाले. याची गम्मत वाटायची त्यावेळी आणि सरांबद्दल असलेला कौतुकमिश्रित आदरभावही वाटायचा. आम्ही सर्वजण ‘भीमराव सर’, ‘विभा सर’ अशाच नावाने त्यांना ओळखत होतो. आज नावाने कोणी हाकही मारत नाहीत. पण ‘विभा’ मात्र खरोखर इतके विद्यार्थी प्रिय होते की त्यांचे नांव शेवट पर्यंत सगळ्यांचे तोंडी ‘विभा’ म्हणूनच राहिले. वस्तुतः त्यांचे नांव विश्वनाथ भालचंद्र देशपांडे. हे नांव फारसे कोणाला माहितही नव्हते आणि नाही, एकदा एक सर त्यांना स्टाफरूममध्ये म्हणाले “अरे विभा तुझ्या नावाची एक बाई सध्या लिहित आहे. आम्हाला वाटले तूच आहेस”. तेव्हा विभा म्हणाले “पण ती देशपांडे आहे का?”, सर्वजण हसले. मला वाटते आजही अनेक नाट्य कलावंतांच्या, समीक्षकांच्या आणि नाट्यप्रेमींच्या मनात ‘विभा’ हेच नांव घर करून बसले आहे.



विभांना चर्चासत्र घेणे, चर्चासत्रांना जाणे, व्याख्यानांना जाणे, नाटक पाहून त्यावर परीक्षण लिहिणे हे फार आवडत असे. मॉडर्न महाविद्यालयात त्यांच्या नाट्यप्रेमातूनच त्यांनी “नाट्यशास्त्र पदविका” अभ्यासक्रम सुरु केला. अनेक कलावंत आणि नाट्य समीक्षक महाविद्यालयात येत. येणारे लोकही ‘विभा’च म्हणत. विभांमुळे मोहन आगाशे, विजय तेंडुलकर, शिवाजी सावंत, पुष्पा भावे, लालन सारंग, अमोल पालेकर, जब्बार पटेल, विजया मेहता, माधव वझे, जयवंत दळवी असे अनेक दिग्गज महाविद्यालयात येऊन गेले. दरवेळी विभा प्रसन्न चित्ताने हसून सगळ्यांचे स्वागत करित. विभांचा कार्यक्रम हा हमखास यशस्वी होत असे. हे सर्व करित असताना विभांनी त्यांचे लेखन कार्यही सुरु ठेवले होते. ‘नाटककार खानोलकर, रंगयात्रा, प्रतिमा: रूप आणि रंग’ अशी कितीतरी पुस्तके त्यांनी लिहिली आणि संपादित केली.

यू.जी.सी.च्या प्रकल्पातून त्यांनी परिश्रमपूर्वक “मराठी नाट्यकोश” या बृहद ग्रंथाची निर्मिती केली. नाट्यकोशाचे काम त्यांच्याच हातून झाले याचे कारण विभा आयुष्यभर नाटकाच

जगले. 'नाटक' हे त्यांच्या जीवनाचे टॉनिक होते. माधव वझे, डॉ. चंद्रशेखर बर्वे, प्रा. पुष्पा भावे आणि विभा हे समकालीन, या नाट्यप्रेमींनी मराठी नाट्यसृष्टीच्या समीक्षेला नवीन वळण दिले. आज इतके नाटक वेडे समीक्षक अपवादानेच आढळतात. या नाट्यकोशाच्या निमित्ताने विभांना प्रवासही करावा लागला. पण न थकता विभांनी हे शिवधनुष्य पेलले. अनेकांच्या मुलाखती घेणे, माहिती संकलित करणे हे जिकीरीचे कामही त्यांनी पार पाडले. माझ्या हातून नाट्यदेवतेची एक मोठी सेवा मला करता आली असे एक आत्मिक समाधान त्यांच्या चेहऱ्यावर होते.

विभांना नवनवीन कल्पना सतत सुचायच्या. एकदा मला ते म्हणाले "मी अनेक चर्चासत्रे घेतली, तू एक करतेस का?" हे एक आव्हान १९८८ साली मी स्वीकारले. 'मराठी नाटक आणि मनोवृत्ती' या विषयावरील चर्चासत्राला अमोल पालेकर यांच्यासह अनेक ज्येष्ठ आणि श्रेष्ठ रंगकर्मी असे होते. चर्चासत्राचे पूर्ण आयोजन मी केले. त्यांना ते आवडले असावे कारण या चर्चासत्राचे पुस्तक करायचे ठरले तेव्हा त्यांनी मला विचारले "हे तू करणार का?" मी हो म्हटले. याचे कारण ते माझे गुरु होते आणि गुरूंना नाही म्हणायचे नाही. यामुळे विभांनी सांगायचे आणि मी हो म्हणून काम करून टाकायचे असा जणू संकेतच ठरला होता. मानसशास्त्र विभागाच्या प्रा. सुधा शाळीग्राम या विभाग प्रमुख होत्या. मुळात हे चर्चासत्र आम्ही दोन्ही विभागांचे म्हणून घेतले. सर्व लेख एकत्रित करायचे, त्याला संपादकीय लिहायचे या गोष्टी विभांमुळे मी शिकले आणि एक दिवस विमल प्रकाशनाचा फोन आला, पुस्तक तयार झाले, प्रती घेऊन जा. माझे ते पहिलेच पुस्तक. आम्ही कॉलेजमध्ये आलो. आल्याबरोबर विभांना प्रत दाखविली. ते म्हणाले "अरे वा, छान झाले", तू पीएच.डी. आहेस, म्हणून प्रथमतः घातले".

पीएच.डी. डिग्री असणे म्हणजे तुमच्या हातात पासपोर्ट असल्यासारखे आहे असे ते नेहमी म्हणायचे. मी पीएच.डी. होऊन मॉडर्नमध्ये लागल्यामुळे आम्ही सर्वजण "डॉक्टरेट" मिळविलेले होते. याचे समाधान त्यांना होते. 'मराठी भाषा आणि साहित्य' या विषयावर विभांनी १९८७ साली एक चर्चासत्र घेतले. नेहमी प्रमाणे हे चर्चासत्र यशस्वी झाले. तू एक शोधनिबंध लिही. ही त्यांची आज्ञा तत्काळ मान्य करून 'दशकातील आत्मचरित्रे' हा शोधनिबंध मी लिहिला. या शोधनिबंधाचे जाहीर कौतुक डॉ. ह. श्री. शेणोलीकर सरांनी केले आणि डॉ. आनंद यादव सरांनी हे लक्षात ठेवले. त्यांनीच मला 'साहित्यसूची' मध्ये लेख प्रकाशित करायला सांगितले. १९९८ मध्ये यादव सरांनी 'आत्मचरित्र मी माझा' हे पुस्तक लिहिले. त्या पुस्तकाच्या 'आभार' पानामध्ये माझे नाव घालून मोलाचे सहाय्य झाल्याबद्दल आभार मानले. याचे श्रेय विभांनाच जाते. त्यांनी मला लेखन करण्यास सतत प्रवृत्त केले. आपली विद्यार्थिनी ही मोठी झाली पाहिजे या भावनेतूनच या चर्चासत्राचे पुस्तक करायचे ठरले तेव्हा त्यांच्या बरोबरीने मला संपादन करण्यास सांगितले. मेहता प्रकाशनाने हे पुस्तक प्रकाशित केले. विभांमुळे माझ्या नावावर दोन पुस्तके झाली. यातूनच प्रेरणा घेऊन १९९० मध्ये माझे तिसरे पुस्तक स्नेहवर्धन प्रकाशनातर्फे 'ज्ञानेश्वरी आणि विसावे शतक' हे प्रकाशित झाले. त्याचे ही त्यांनी कौतुक केले आणि ते विभाग प्रमुख असे पर्यंत म्हणजे १९९७ पर्यंत

माझी १२ पुस्तके प्रकाशित झाली म्हणजे मराठी विभागातील आम्ही तिघेजण विभा, पुंडे सर आणि मी सतत लेखन करीत राहिलो.

विभांनी अभ्यास मंडळांवरही काम केले. महाराष्ट्र साहित्य परिषद आणि पुणे विद्यापीठाच्या मराठी मंडळ यांच्या निवडणुका त्यांनी लढवल्या. त्यात ते यशस्वीही झाले. महाविद्यालयाला त्यांचा जास्त अभिमान असे. मराठी अभ्यास मंडळाचे अध्यक्ष व्हावे ही त्यांची इच्छा मात्र फलद्रुप झाली नाही. पण मी जेव्हा बिनविरोध मराठी अभ्यास मंडळाची पहिली महिला अध्यक्ष झाले तेव्हा मात्र ते म्हणाले, "चला बरे झाले तू तरी अध्यक्ष झालीस".

एकदा एका गृहस्थांनी मला "भाऊसाहेबांची बखर" दिली आणि म्हणाले "तुम्ही यावर सेल्फ स्टडीसारखे लिहा". हा अनुभव मला नवीन होता. "बघते" असे मी म्हटले. ते गृहस्थ महाविद्यालयातून बाहेर पडले आणि विभा आले. माझ्या टेबलावर बखर पाहून म्हणाले, "मंगल काहीही लिही पण गाईड लिहू नकोस" मी अवाक झाले. केवळ पुस्तक पाहून यांना कसे कळले? दुसऱ्या दिवशी ते पुस्तक मी परत केले आणि विभांमुळे त्या क्षेत्राकडे मी कधीच गेले नाही. खरं म्हणजे त्या काळात नावाजलेले प्राध्यापक असे लिहित असायचे. पण हा एक चांगला धडा माझ्यासाठी होता.

१९९७ मध्ये विभा मॉडर्न महाविद्यालयातून निवृत्त झाले पण त्यांचे नाट्यप्रेम तसूभरही कमी झाले नाही. माझ्या ३४ प्रकाशनांना ते आनंदाने आले होते. त्यांच्या हस्ते पुस्तकांचे प्रकाशनही मला करता आले. 'कालचक्र' या जयवंत दळवींच्या नाटकावरील त्यांची समीक्षा मी प्रकाशित केली. 'नाटक म्हणजे दृक्श्राव्य काव्य आहे' हे सूत्र तर त्यांनी मनात ठेवलेच पण जयवंत दळवी यांच्या सारख्या वेगळ्याच जातकुळीची नाटके मराठी रंगभूमीला बहाल करणाऱ्या नाटककारांच्या वेध घेताना कोणती दक्षता घ्यावी लागते, कोणती तथ्ये पाळावी लागतात याचे ही मार्गदर्शन त्यांनी या पुस्तकात केले आहे.

निवृत्तीनंतरही सार्वजनिक जीवनात विभा सतत सक्रीय राहिले. नाटक पाहणे आणि त्यावर भाष्य करणे हा त्यांच्या जीवनाचा मूलमंत्र होता. ही तारेवरची कसरत करताना त्यांच्यातील सद्गृहस्थही कर्तव्यदक्ष होता. विशाखा ही त्यांची एकुलती एक मुलगी दुबईला संसारात रमली होती. मात्र त्यांच्या पत्नीचे - ताईचे दुःखद निधन मध्यंतरी झाले आणि हा आघात विभांना सहन करणे काहीसे अवघड झाले. मी आणि मधुरा कोराबे त्यांना भेटायला गेलो तेव्हाही प्रकृती जरा बरी नसते पण मी बाहेर कार्यक्रमांना जातो असे सांगून ते अतिशय भरभरून बोलले. मी आयोजित केलेल्या दहा आंतरराष्ट्रीय आंतर विद्या शासकीय परिषदांचे कौतुक तर केलेच पण माझ्यानंतर मराठी विभाग सक्षम केलास अशी कौतुकाची थापही दिली. आज मॉडर्नमध्ये मराठी संशोधन केंद्रात २३ विद्यार्थी संशोधन करीत आहेत. हे केंद्र मी जरी सुरु केले तरी १९९४ मध्ये विभांनी पदव्युत्तर विभाग सुरु केला हे महत्वाचे आहे.

माझ्या लग्नाला १९७९ मध्ये विभा सपत्नीक आले होते. माझ्या दोन्ही मुलांच्या लग्नाला २००८ आणि २०१५ मध्ये ते आवर्जून आले होते. अतिशय टापटीपेचे वेड असणारे, सतत कडक इस्त्रीचा

झब्बा घालणारे, अक्षरांचे विशिष्ट वळण असणारे आणि शेवटच्या श्वासापर्यंत 'नाटक' एके नाटक जगणारे आमचे विभा सर यांनी जगाच्या रंगमंचावरून अचानक घेतलेली एक्झिट मनाला फार चटका लावून गेली. आम्हा विद्यार्थ्यांना घडविणाऱ्या या गुरुवर्यांना भावपूर्ण आदरांजली.

मैत्री

काढा एक दिवस मैत्रीसाठी
एकदा तरी भेटा महिन्याकाठी
भेटून घट्ट होतील मैत्रीच्या गाठी
पुसून धूळ साफ करू आपली नाती
बस झालं व्हॅट्सएप गुड मॉर्निंग
भेटून एक मिठी मारू आनंदी
दोन चार शिव्या हिसडू प्रेमाच्या
पोटभर हसण्याला भेटू नगदी
बऱ्याच दिवसांत महफिल जमली नाही
मनातली जळमट पुसली नाही
साठून राहिल्या गोष्टी म्हणजे खराब होतात
बाहेर काढू सारे पर्वा कसली नाही
खरंच मित्रांनो काढा एक दिवस मैत्रीसाठी
काहीच नाही तर गप्पा मारण्यासाठी

आशिष कुलकर्णी, M.Com.- II

कणा

(कुसुमाग्रजांच्या कवितेचे भावनांतर)

'ओळखलंत का आजी मला' पावसात आली कोणी
कपडे होते चुरगळलेले बॉब कटवरती पाणी.
क्षणभर बसली, नंतर हसली, बोलली वरती पाहून;
'नात तुमची' पाहुणी इतक्या वर्षांनी घरी आली,
खेळकर तिच्या लीलांनी चारी खोल्यात नाचली.
शाळेत ती जाईल कशी ? नोकरी माझी वाचेल कशी ?
घर भरले गोकुळ झाले पण प्रसाद म्हणून
पापण्यांमध्ये पाणी थोडे ठेवले आहे.
आजीने हसून बघताच, हसत हसत ती उठली,
'वृद्धाश्रम नको आता, घरी चला आजी चुकले माझे,
पण तुटला नाही मायेचा कणा
पाठीवरती हात ठेऊन नातीचे लाड करा'.

डॉ. स्नेहल तावरे, मराठी विभाग

मानवता

मित्रहो जगताना समाजात मला
तुम्हा साऱ्यांची गरज आहे
मग तो कुणाही जातीचा असो वा धर्माचा
माझ्या कामावेळी मला हा विचारही येत नाही
मग इतरवेळी तरी का यावा?
आपण भांडू सारे, अगदी हवं तेवढं
पण योग्य त्या कारणासाठी
जाती धर्मावरून नव्हे
कुणी त्या जाती धर्माचा
अभिमान नका बाळगू कधी
कुणी कुणाला हिणवू नका त्यावरून अन् आगही लावू नका
इतस्ततः
इथपर्यंत आपण आज आलो
पण त्यासाठी भारी सोसलंय साऱ्या समाजानं
त्याचं काहीतरी मोल राहू द्या
फुल्यांनी 'निर्मिक' मानला
पण कुणा दुसऱ्यावर जबरदस्ती केली नाही कधी
विवेकानंद म्हणतात
'माणसाला माणूस बनवतो तो धर्म'
तेव्हा तिथं महत्वाचा असतो तो 'माणूस'
कोणतीही जात आणि धर्म नव्हे.
गांधींच्या 'अहिंसेला' कोणती जात होती का?
विचार केला पाहिजे...
कधी कुणी या जाती-धर्मावरून जीव घेतो कुणाचा
तर कधी कुणी यावरून देश जाळतो कुणाचा !
एक होता शिवबा
जो सर्वांना जवळ करायचा
अन् एक आम्ही आहोत जे त्याचंच नाव घेऊन
गट पाडतोय 'एकमेकांचे एकमेकांपासून'
हे सर्व पाहिलं की जीव तीळ तीळ तुटतो
अन् प्रश्न पडतो
कुठे गेला गांधींचा अहिंसा हाच धर्म?
कुठे गेला विवेकानंदांचा माणूस हाच धर्म?
या जातीधर्माचा विळखा पाहिला की वाटतं
शिवराय, फुले, गांधी, आंबेडकर यांनी
हीच बीजे पेरली का या भूमीत ?
का लावलं समतेचं रोपटं ज्याचं आज वृक्षात रूपांतर
व्हायला हवं होतं ?
झालंय का ते?
झालं नसेल तर बनवू आपण,
आपण सारे एकमेकांना मानवतेनंच जाणून घेऊ
माणसेच असतील ती ज्यांना हृदयावर कोरून ठेवू.
शेखर दिलीप चोरचे, तृतीय वर्ष कला

डॉ. बाबासाहेब आंबेडकरांचे शेतकरी व जलनीती संबंधी योगदान

डॉ. विलास कांबळे, भूगोल विभाग

प्राचीन काळापासून भारतामध्ये समाजसुधारणेचा इतिहास जपणारे व विविध क्षेत्रात उल्लेखनीय कार्य करणाऱ्या समाज सुधारकांचा मोठा प्रभाव स्पष्ट जाणवतो. परंतु १४ एप्रिल १८९१ साली जन्मास आलेल्या डॉ. बाबासाहेब आंबेडकरांचा समाजसुधारणे विषयी व्यापक दृष्टीने अभ्यास करता जाणवते की ते सर्वसमावेशक, बहुविषय व क्षेत्र स्पर्शी असे विद्वान होते.

डॉ. बाबासाहेबांचे शिक्षण, पदव्या व विद्वत्तेची क्षेत्र. त्यांनी B.A., M.A. (दोन विषयात), Ph.D., M.Sc., D.Sc., LL.D., D.Lit., Bar at Law अशा ३२ पदव्या मिळविल्या. एकूण ६४ विषयांत ते तज्ञ होते. अर्थशास्त्रज्ञ, कायदेपंडित, समाजशास्त्रज्ञ, मानाववंशशास्त्रज्ञ, इतिहासकार, शिक्षणतज्ञ, धर्मशास्त्रज्ञ, तत्वज्ञ, बॅरिस्टर, वक्ते, पत्रकार, वकील, विधीतज्ञ, संसदपटू, शेतकऱ्यांचे कैवारी व जलतज्ञ असे त्यांचे बहुआयामी व्यक्तिमत्त्व होते. उच्च विद्याविभूषित, प्रकांड पांडित्य असणाऱ्या असंख्य व्यक्ती भारतात आहेत, होत्या पण या ज्ञानाचा देशासाठी, समाजासाठी परिपूर्ण उपयोग करून संपूर्ण क्रांती घडवून आणण्याचे कार्य करणारे एकटेच बाबासाहेब आहेत. आपली संपूर्ण हयात, आयुष्य, कारकीर्द केवळ समाजसेवेला अर्पण करून देशात आजही दैनंदिन जीवनाशी निगडित सर्व कायदे यथायोग निर्माण करणारे केवळ बाबासाहेबच. बाबा शब्दाचा अर्थ मुळात पिता, जनक, वडील असा असल्याने त्यांचे कार्यही तितकेच उतुंग आहे.

एका जन्मात कबिरांचे कवन वचन प्रत्यक्षात आणणारे, महात्मा फुले यांचे समाज विषयक सुधारणा, छत्रपती शिवाजी महाराजांचे रयतेचे राज्य, छत्रपती शाहू महाराजांचे अस्पृश्यता निवारणाचे कार्य कायदेशीर रित्या घटनाबद्ध करण्याचे कार्य हे बाबासाहेबांच्या कार्याचे सूत्र आहे.

अमेरिकेच्या कोलंबिया विद्यापीठाने २०१२ मध्ये आंतरराष्ट्रीय पातळीवर सर्वेक्षण करून जगातील १०० शक्तिशाली विद्वानांची यादी तयार केली त्यात बाबासाहेबांचा प्रथम क्रमांक होता. इंग्लंडच्या ऑक्सफर्ड विद्यापीठाने मागील १० हजार वर्षातील जगामध्ये प्रभावशाली व्यक्तींमध्ये बाबासाहेबांचा चौथा क्रमांक होता. अर्थातच पहिल्या क्रमांकावर भगवान गौतम बुद्ध आहेत.

१५ मे १९१५ मध्ये कोलंबिया विद्यापीठात शोध निबंध सादर केला. याचे ईस्ट इंडिया कंपनीने कौतुक केले. विषय होता 'अॅडमिनिस्ट्रेशन अँड फायनान्स ऑफ ईस्ट इंडिया कंपनी' प्रचंड विद्वत्तेने मांडलेल्या विचारांचे मूल्यांकन करण्यासाठी, त्यांनी सुचविलेल्या सूचनांसाठी व सारांशासाठी ईस्ट इंडिया कंपनीला दोन गोलमेज परिषदा घ्याव्या लागल्या. आता आपणच विचार



करा ज्या कंपनीचे संपूर्ण भारतावर वर्चस्व व साम्राज्य त्यांच्या प्रशासनावर बौद्धिक पातळीवर हल्ला करून त्यांच्याकडूनच प्रशंसा मिळविणे केवढे विद्वत्तेने लक्षण. दरम्यानच्या काळातच बाबासाहेब एका गोष्टीसाठी संपूर्ण जगभर चर्चेचा विषय होते ते म्हणजे १८ तास सलग अभ्यास करणारा विद्यार्थी. विद्यापीठाच्या ग्रंथालयात प्रथम येणारा व शेवटी जाणारा. याच वेळी लाला लजपतराय लंडनहून न्यूयॉर्कला आले होते. त्यांना बाबासाहेबांच्या विद्वत्तेची जाणीव होती. ते बाबासाहेबांना खास विद्यापीठात भेटायला आले. चर्चा चालू असताना अचानक जगप्रसिद्ध समाजशास्त्रज्ञ एडविन सेलिग्रन तेथे आले. चर्चेत सहभागी झाले व म्हणाले 'बाबासाहेब हे केवळ भारतातीलच नव्हे तर अमेरिकेतीलही सर्वात हुशार विद्यार्थी आहेत'. हेच सेलिग्रन पुढे बाबासाहेबांचे Ph.D. चे मार्गदर्शक होते. त्यांच्या मार्गदर्शनाखाली "The national dividend of India Historical and Analytical Study" "भारताचा राष्ट्रीय लाभांश: ऐतिहासिक व विश्लेषणात्मक अभ्यास" यावर प्रबंध लिहिला. सेलिग्रनच्या विनंतीवरून १९२५ मध्ये ग्रंथरूपाने प्रसिद्ध झाला.

शेतकऱ्यांचे कैवारी:

१८ फेब्रुवारी १९२७ मुंबई विधान मंडळाचे सभासद म्हणून नेमणूक झाली. पहिलेच भाषण शेती खोती कर रचनेवर करून शेतकरी वर्गासाठी असलेली न्याय दृष्टी स्पष्ट केली. २० मार्च १९२७ महाडच्या चवदार तळ्याच्या सत्याग्रहानंतर लगेचच १९२८ पासून शेतकऱ्यांचे विविध प्रश्न हाती घेतले. गरीब, अल्पभूधारक, शेतकऱ्यासाठी मोठे लढे उभे केले. १४ एप्रिल १९२९ रोजी जिल्हा शेतकरी परिषद - रत्नागिरी येथील चिपळूण येथे भरवली. त्या परिषदेचे ते अध्यक्ष होते. या परिषदेत कूळ कायदा, खोती पद्धती विरुद्ध लढा उभा करणे, पीक विमा, पाणी व बीज समान वाटप या विषयांवर चर्चा परिसंवाद होऊन ठराव संमत करण्यात आले.

दरम्यानच्या काळात धनगर समाजातील श्रीमंत जमीनदार तुकडोजी होळकर प्रकरण अत्यंत गाजले. या जमीनदाराने ब्रिटिश महिला मिस मिल यांच्या बरोबर विवाह करण्याचे ठरविले. तमाम समाजाने प्रखर विरोध केला. तेव्हा सर्वानुमते गोलमेज परिषद (धनगर समाजाची) भरवून या परिषदेस डॉ. बाबासाहेबांना अध्यक्ष म्हणून बोलविण्यात आले. हे सांगण्याचे कारण एकच आहे की त्या काळात मराठा कुणबी धनगर मुस्लीम हा समाज बाबासाहेबांचा शब्द अंतिम मानत असत. याही प्रकरणात बाबासाहेबांना हस्तक्षेप करून हे मिटविले व विवाह करण्यास सर्वानुमते संमती दिली.

१७ सप्टेंबर १९३७ खोती पद्धती नष्ट करण्यासाठी विधेयक बाबासाहेबांनी विधिमंडळात मांडले. सातत्याने पाठपुरावा केला.

१० जानेवारी १९३८ रोजी २५,००० शेतकऱ्यांचा विराट मोर्चा बाबासाहेबांच्या नेतृत्वाखाली विधिमंडळावर नेण्यात आला. यात विशेषता मराठा, कुणबी व मुस्लीम समाजच मोठ्या प्रमाणावर सहभागी होता. यानंतर खोती पद्धती कायमची बंद करण्यात आली.

खोती पद्धती म्हणजे शेत कसणारा शेतकरी व सरकार यांच्या मधील दलाल. या दलालाची / मध्यस्थाची नेमणूक सरकार करे व कर व शेतसारा वसुलीची जबाबदारी या खोतांकडे असे. हे खोत शेतकऱ्यांवर भयंकर अन्याय, अत्याचार करत व अनैतिक वागत असत. यांच्या जाचास कंटाळून त्या काळात अनेक शेतकरी आत्महत्या करीत. प्रचंड आर्थिक शोषण, शेतकऱ्यांचे दारिद्र्य या गोष्टी पराकोटीस गेल्या होत्या. अनेकदा शेतकऱ्यामार्फतही उद्रेक झाले. चार खोतांचे खून ही झाले. असा शेतकऱ्यांच्या भयंकर समस्येवर बाबासाहेबांनी ब्रिटिशांच्या विरोधात जाऊन खोती बंदीचा कायदा संमत केला. त्यावेळी विधानमंडळाचे अध्यक्ष होते देहलवी. ते सुद्धा अत्यंत खूष झाले व बाबासाहेबांचे समर्थक बनले.

बाबासाहेब नेहमी म्हणत शेती हे केवळ उदरनिर्वाहाचे साधन नसून देशाच्या राष्ट्रीय उत्पन्नाचा भाग म्हणून लक्ष द्यावे लागेल व त्याच बरोबर जमीन कसणाऱ्या शेतकऱ्यास कायम मदत व संरक्षण द्यावे लागेल.

जलनीती:

शेती प्रधानता व शेतीचा राष्ट्रीय उत्पन्नातील वाटा पाहता पाणी व बीज वितरण या विषयी मोठी योजना १९३९ मध्ये

मांडली. भारतात आज चर्चेत असलेला 'नदीजोड प्रकल्प' ही बाबांची १९३९ ची योजना आहे, हे आपण सर्वांनी लक्षात ठेवणे गरजेचे आहे. बाबासाहेबांचा बहुउद्देशीय मोठ्या जलसिंचन प्रकल्पांबाबत आग्रह होता. १९३९ साठी नदी खोरे विकास योजना सादर केली. यामध्ये मोठ मोठ्या नद्यांवर धरणे बांधणे या धरणांद्वारे सिंचनाखालील क्षेत्रात वाढ होणे त्याच बरोबर जलविद्युत प्रकल्पांद्वारे शेतकऱ्यांना समान बीज वितरणाची योजनाही त्यांनीच प्रथम मांडली. दामोदर खोरे विकास महामंडळ, भाक्रा नांगल, फराक्का योजना, स्पीटी व्हॅली यासारखे प्रकल्प बाबासाहेबांनी समक्ष करवून घेतले.

दुष्काळ निवारण, जिरायत क्षेत्र सुधार योजना, शेतमजूर कल्याण व मजुरी दर निश्चिती या विषयक बाबांचे प्रचंड कार्य आहे.

हरित क्रांती, शेतीचे राष्ट्रीयीकरण, पीक विमा योजना, शेतमालाला हमी भाव, कमाल जमीन धारण कायदा अशा अनेक कृषी व जलविषयक योजना त्याकाळी त्यांनी अमलात आणल्या.

६ डिसेंबर १९५६ रोजी बाबासाहेबांचे महानिर्वाण झाले त्यावेळी प्र. के. अत्रे यांनी 'मराठा' मध्ये लेख लिहिला त्यात म्हणतात

“अग्नीपरी आजन्म प्रकाशून
अग्नीवर चिरनिद्रा घेशी
विज्ञेन ही चिता परंतु
प्रकाश राहील तुझा चिरंतन”

भारत माझा जगावेगळा

जय गोरे, F. Y. B. Sc. 'B'

- जगाला दिली 'शून्याची' देणगी.
- गेल्या १००० वर्षात एकही परकीय देशावर भारताने (किंवा भारतातून) आक्रमण केलेले नाही.
- तक्षशीला ही जगातील पहिली 'युनिव्हर्सिटी' आणि ती सुद्धा फक्त भारतीयांसाठी नाही तर इतर देशातील विद्यार्थ्यांसाठी सुद्धा. स्थापना इसवी सन ७०० वर्षे ख्रिस्तपूर्व, विद्यार्थी संख्या १०,५००, विषय ६०.
- संस्कृत ही सर्व युरोपीय भाषांची जननी – Forbes Magazine July 1987.
- चरक याने दिली आयुर्वेदाची देणगी, तीही २५०० वर्षांपूर्वी.
- सध्या जरी भारतात विकसनशील देश (UNO प्रमाणे) असला तरी ब्रिटीश भारतात पाय ठेवपर्यंत भारत जगातील सर्वांत श्रीमंत प्रदेश होता.
- Gemological Institute of America या संस्थेच्या म्हणण्यानुसार १८९६ पर्यंत भारत ही एकमेव हिरा मिळण्याची 'खाण' होती.
- बुद्धिबळाचा शोध भारतात लागला.
- सुश्रुत – शस्त्रक्रियांचा जनक. केलेल्या शस्त्रक्रिया – मोतीबिंदू, सिंजेरियन, फ्रॅक्चर, इत्यादी. त्यावेळी वापरत होता १२५ शास्त्र.
- दशमान पद्धतीचा शोध इसवी सन १०० वर्षे ख्रिस्तपूर्व मध्ये भारतात लावला गेला.
- पूर्वीच्या काळचे गणितज्ञ १०व्या १०व्या घातकापर्यंत आकडेमोड सहज करत होते. (विना कॅल्क्युलेटर आणि संगणक सोडून बरं का !).
- सद्य स्थितीतल्या पुराव्यानुसार भारतात दंतवैद्यकीय शाखा इसवी सन ७००० वर्षे ख्रिस्तपूर्व सालापासून अस्तित्वात आहेत.
- रॉकेट सायन्सचा अद्ययावत काळातील जनक रोबर्ट गोडार्ड जरी असले तरी खरा जनक होता तो टिपू सुलतान आणि त्यांचे वडील हैदर अली. त्यांच्या काळात त्यांच्या सैन्यात २ कि.मी. पर्यंत जाणारी 'रॉकेट' होती. चौथ्या युद्धात हार झाल्यानंतर ब्रिटिशांनी ती 'आयती' रॉकेट त्यांच्या देशात नेऊन 'मॉडिफाय' केली.
- काही वर्षांपूर्वी उत्खननात सापडलेला नांगर कार्बन डेटिंग पद्धतीनुसार २५०० वर्षे ख्रिस्तपूर्व या काळात वापरला जात होता असे सांगतात. (सिंधू संस्कृती).
- जगातील सर्वात प्राचीन भाषा संस्कृत ही इसवी सन ४०० वर्षे ख्रिस्तपूर्व या काळापासून चालत आलेली आहे.
- Navy हा शब्द संस्कृत शब्द 'नौ' यावरून प्रचलित झाला.

बांधवगड: विलक्षण निसर्ग अनुभूती

पल्लवी शेवाळे

माजी विद्यार्थिनी व सहाय्यक प्राध्यापिका, प्राणिशास्त्र विभाग

ह्या वर्षी ऐन उन्हाळ्यात मध्य प्रदेश येथील जबलपूर आणि बांधवगडला जाण्याचा योग आला. नेहमीप्रमाणेच ट्रीपला जाण्याआधीची तयारी, हुरहूर आणि खरंखुरं जंगल बघण्याचं कुतूहल, उत्साह मला ही होताच. पुणे ते जबलपूर हा प्रवास तितकासा लहान नव्हताच नाही. किमान अठरा तास तरी लागतातच. ट्रेन जेव्हा हिरवीगार शेत आणि त्यात दिवसभर चालणारे पाण्याचे फवारे चेदत जाते तेव्हाच आपल्याला मध्य प्रदेशाची समृद्धी आणि तेथील पाण्याची सुबलकता याची जाणीव होते. जणू काही 'निसर्ग' नावाची अशी एक संपत्ती येथे दडली आहे याची ती चाहूल असावी.

जबलपूर स्टेशन वरून बाहेर पडलो आणि आम्ही निघालो ते 'धुवाधार' च्या दिशेने. नैसर्गिक कड्यांवरून कोसळणारे पाणी पुढे कपारीमधून वेगाने वाहत जाणारे नर्मदेचे स्वच्छ फेसाळ पाणी पाहताना हेच पाणी पुढे इतके शांत कसे होते याचे कोडे पडते. कडक उन्हात देखील धबधब्यातून उडणारे तुषार न्हाऊ घालत होते. कोसळणारा पाण्याचा आवाज थक्क करणारा होता. आवाज हळू हळू नाहीसा होत होता आणि आम्ही निघालो भेडाघाटाच्या दिशेने.



कॅलेंडर मध्ये छापलेले ऋतू जरी सवयीचे असले तरी निसर्ग नेहमीच नव्याने दर्शन देतो याची प्रचीती आम्हाला नेहमीच येत होती.

सकाळची वेळ, नर्मदेचे विस्तीर्ण पात्र आणि नजर जाईल तिथपर्यंत विविध रंगाने नटलेले संगमरवर. या सर्व गोष्टी कॅमेऱ्यात कैद करणे केवळ अशक्यच. नर्मदेच्या पात्रात नौका विहार करण्याचा मनमुराद आनंद आम्ही लुटला. येथील संगमरवरावर विविध आकार शोधण्याची मजा काही औरच ! पाण्याची गंभीरता,

खडकांची विस्तीर्णता आणि वातावरणातील शांतता अनुभवल्यावर वेळ होती ती जबलपूर सोडण्याची.



चार तासांचा भर उन्हात केलेल्या प्रवासानंतर आम्ही उमरीया जिल्ह्यातील बांधवगडला पोहोचलो. बांधवगड नॅशनल रिझर्व हि पाटी सुखावणारी होती. गाडीने जंगलात प्रवेश केला आणि उंच असलेल्या सालच्या झाडांनी मानवंदना द्यावी त्याप्रमाणे दुतर्फा गर्दी केली. जंगलात प्रवेश करताक्षणीच हरणांचे, माकडांचे कळप, गवे, कोल्हे, मोर आणि इतर पक्षी यांनी आम्हाला दर्शन दिले. पुढचे दोन दिवस आपण इथेच असणार आहोत हा विचारच सुखावह होता.

दुसऱ्या दिवशीचा सूर्यच कुतूहल घेऊन उगवला होता. एक घनदाट जंगल होतं त्यात विविध पशुपक्षी गुण्यागोविंदाने नांदत होते, अश्या गोष्टी फक्त पंचतंत्रात मी वाचल्या होत्या. पण आज वेळ होती ती जंगल आतून पाहण्याची.

सकाळी पाचची वेळ होती. बांधवगड लक्ख उजाडल होतं. योग्य परवानगी घेऊन आमच्या जीपने जंगलात प्रवेश केला. नवीन जंगल फिरण्याची नवीन पद्धत आणि नवीन पक्षी बघायची संधी या तीनही गोष्टींनी माझ्यावर भुरळ घातली होती. डोळ्यांनी काय पहिले ते लिहिता येऊ शकते पण प्रत्यक्ष असण्याचा अनुभव निराळाच. पक्ष्यांची हालचाल, कॅमेऱ्याच्या तोफा घेऊन हिंडणारे परदेशी फोटोग्राफर, झाडांखालून जाणारा एकमेव रस्ता पक्ष्यांचा आणि कीटकांचा आवाजाखेरीज कुठलाही नसलेला आवाज. विलक्षण अनुभूती...



आम्ही एकंदर बावन प्रकारचे पक्षी पहिले. त्यात इंडियन पित्ता, इंडियन रोईलर, Asian Paradise flycatcher, Racket tailed drongo, Crested serpent eagle, Honey buzzard, Red headed king vulture, Brown fish owl, Black rumped woodpecker इत्यादी होते. हे पुण्यात फारसे नाहीत. Asian paradise flycatcher (स्वर्गीय नर्तक) नावात वर्णिल्या प्रमाणे स्वर्गीय आणि नर्तक या दोन्ही शब्दांना चोख जपणारा नाजूक व देखणा पक्षी. अतिशय चंचल असा हा पक्षी झुपकेदार शेपटीमुळे लांबूनच ओळखता येतो. हा पक्षी मध्य प्रदेश चा राज्यपक्षी म्हणून देखील ओळखला जातो. वाघाची ओढ मनात अजूनही कायम होती.



दुपारची जेवण उरकली आणि पुन्हा जंगल सफारीला सुरुवात केली. हरणांचे कळप, रान डुक्करे, हत्ती, माकडे, अस्वल, गवे, कोल्हे, जंगल मांजर जंगलातील हालचाल जीवंत ठेवत होते. शांत जंगल अनुभवणे हा पण नवीनच अनुभव होता. वाघ बघायला मिळाला नाही याची खंत सलत होती. पण हल्ली फोन करून कोणाच्या घरी गेलो तरी ती भेटतील याची खात्री नाही देता येत. इथे तर आम्ही त्यांच्या घरी न सांगताच गेलो होतो.

रात्री हॉटेलवर पोहोचल्यावर आमच्या रुममध्ये पाली, बेडूक, कीटक इत्यादी आमची करमणूक करायला सज्ज होते. आम्हीच त्यांच्या घरी पाहुणे असल्यामुळे त्यांना सहन करण्याव्यतिरिक्त

दुसरा पर्याय नव्हता. जेवणानंतर गप्पांचे फड रंगत होते. प्रत्येक जण आपापला अनुभव सांगण्यात दंग होता. जीपमधील विसरलेल्या कॅमेरा लेन्स, गॉगल ड्रायव्हर काका आठवणीने परत करत होते. ज्यावरून बंधावागडकरांची प्रामाणिकपणाची प्रचिती आम्हाला वेळोवेळी होत होती.

दुसऱ्या दिवशी देखील असंख्य पक्षी नजरेस पडत होते. प्रचंड कमी वेगात जीप पुढे जात होती. गाडी अजून थोडी पुढे गेली आणि ड्रायवरने ब्रेक दाबला आणि जमिनीवरील वाघाच्या पावलांचे ठसे दाखवले. आपल्या शिकारीची सहज चिरफाड करणारे ते पंजे मातीवर मात्र अलगद पडले होते. ठसे पाहून आम्ही पुढे निघालो. पुढे लांबवर पाच सहा गाड्या गर्दी करून थांबलेल्या दिसत होत्या. नंतर माहिती समजली कि पन्नास फुटावरती गवतामध्ये एक वाघीण आणि तिचे दोन बछडे बसलेले आहेत. एवढी माहिती आम्हाला तिथे खिळवून ठेवायला पुरेशी होती. पुढची तीस मिनिटे वाट पाहण्यात गेली. जीप मधील सर्वजण कॅमेरे सरसावून बसले होते.

अखेर आमच्या प्रतीक्षेचे फळ आम्हाला मिळाले. सुमारे सहा ते सात महिन्याची दोन पिल्ले गवतातून बाहेर आली. पर्वणी मिळावी तशी पिल्लं पाठोपाठ वाघीण देखील गवतातून बाहेर आली आणि पाण्याचा मनसोक्त आनंद लुटू लागली. डोळ्यासमोर बसलेला वाघ पाहणे आणि लांब झुडुपातून येणारा वाघ पाहणे यात कमालीची तफावत आहे. माकडे, हरणे यांनी दिलेल्या अलार्म कॉल ऐकत त्यांचा पाठलाग करत सरतेशेवटी हे चट्टे पट्टेरी श्वापद पाहणे यासारखं सुख नाही. वाघीण नजरेआड झाली आणि आयुष्यातील काही क्षण सोनेरी करून गेली.

कॅमेऱ्याने आपले काम चोख बजावले होते. दोन दिवसांची जंगलभेट शेवटच्या मिनिटाला फलद्रूप झाल्याची गोड भावना पाठीशी घेऊन मी कॅमेरा बंद केला. आनंद आणि समाधान यांची मिश्रित भावना इतरांसमोर व्यक्त करायची आता घाई झाली होती.

आता जंगल सोडायची वेळ आली होती. निसर्गाचा या चमत्काराचा निरोप घ्यायची आजिबात इच्छा नव्हती. येतानाचा रम्य रस्ता जाताना मात्र उदास वाटत होता.

पुन्हा येणार हा आग्रह तर कायम असणार पण सध्या मी जंगलाचा निरोप घेतला. भारतातील अजून एका नवीन जागेने आज पुन्हा वेड लावले. त्या वाघिणीला या प्रकाराची कल्पना नसेलच, ती तिच्या दिनचर्येत मग्न असेल, मात्र त्या वाघिणीचा किती प्रभाव आहे हे जाणून घेण्यासाठी किमान एकदा तरी या जंगलास भेट द्यायलाच हवी.

कबुतराला गरुडाचे पंख लावता येतीलही
पण गगनभरारीचे वेड रक्तातच असावं लागतं...
कारण आकाशाची ओढ दत्तक घेता येत नाही.

व.पु. काळे

तिचा तुरुंग विस्तारत चाललाय!

राघवेंद्र बाबुराव कोळेकर, तृतीय वर्ष वाणिज्य

ज्या भगवंताने संपूर्ण सृष्टी निर्माण केली त्यामध्ये मनुष्यजातही निर्माण केली. त्यानेच स्त्री पुरुष असे भाग पाडले. परंतु या सृष्टीमध्ये जे अवगुण आहेत ते फक्त स्त्रियांच्या अंगीच आहे आणि जे चांगले गुण आहेत ते फक्त पुरुषांच्याच अंगी आहेत, असा समज आणि तशी प्रथाच मनुष्यानेच निर्माण केली व आजही तशी मानसिकता सगळीकडे सापडते.

समजा अशा प्रथेमुळे / समजामुळे स्त्रियां नेहमी बंधनामध्ये अडकले जातात. समाजाने घालून दिलेल्या लक्ष्मण रेषेबाहेर तिला तिचा विचार करता येत नाही. वास्तविक पाहता, पुरुषांच्या बरोबरीनेच आज स्त्रिया प्रगती करत आहेत. परंतु आजही समाज तिला कोणत्या ना कोणत्या मार्गात लक्ष्मण रेषा आखून देत असतो. तिच्या आवाजाला दाबत असतो. समाजाने आखून दिलेल्या लक्ष्मण रेषेला 'तुरुंग' म्हणणे फार अतिशयोक्तीचे / चुकीचे ठरणार नाही. या तुरुंगाबाहेर जाऊन स्त्रीला स्वतःचा / स्वतंत्र असा विचार करता येत नाही.

स्त्री व तिच्या हक्कांबद्दल चर्चासत्रे अनेकदा होत असतात. त्यावर प्रतिक्रिया व विरोधही येत असतील परंतु त्यावर उपाय म्हणून काय करता येईल किंवा उपाय केले गेले आहेत. अशी बातम्या आढळत नाहीत.

गैरसमजमुळे / अंधश्रद्धेमुळे किंवा समाजाने घालून दिलेल्या बंधनामुळे कित्येक ठिकाणी शिक्षणाच्या अभावामुळे स्त्रियांना प्रगती करता येत नाही. आणि ज्या देशात / भागात किंवा घरात स्त्रीने शिक्षण घेतलेले नसते. तो देश / भाग किंवा ते घर कधीच प्रगती करू शकत नाही. आणि अशी उदाहरण कित्येक पहायला मिळतात.



वर्षातील सगळेच दिवस त्यांच्याशिवाय अपूर्ण असताना ८ मार्च रोजी साजरा केला जाणारा जागतिक महिला दिन हा स्त्रियांनी साजरा करणे कितपत योग्य आणि तसेच स्त्रियांना हा दिवस साजरा करणे दुःखाची बाब आहे की सुखाची हे महत्त्वाचे आहे.

तलवारीने कोणीही कोणाला घायाळ करीलच करील यात काही मोठा पुरुषार्थ नाही. पण जे कोणी नुसत्या दृष्टींनी दुरून पाहिल्याबरोबर हाय हाय करण्यात लावील ते खरे.....

तेव्हा आता जास्त पराक्रमी कोण? स्त्री की पुरुष. तरीही आपल्या मनातल्या विचारांचा तुरुंग स्त्रीने कायम बरोबर ठेवलेला आहे आणि असतो. तसा ठेवण्यासाठी तिला भाग पाडले जाते. त्यामुळे ती मुक्त होणे शक्य नाही....

या आशयाची चर्चासत्रे अनेकदा केली जातात. प्रत्यक्षात एखादी घटना घडली की मात्र टोकाच्या प्रतिक्रिया यायला सुरुवात होते.

उदाहरण पाहता - नववर्षाचे स्वागत करत असताना बेंगळूरूमध्ये पबमधून बाहेर पडलेल्या तरुणींची छेडछाड, विनयभंग करण्यात आला ही बातमी वाचल्यानंतर फक्त स्त्रियांवरच टीका झालेली आढळते. पण छेडछाड, विनयभंग करणारे पुरुषच ना! त्यांच्यावर मात्र टोकाची प्रतिक्रिया झाली नसेल व झालेली आहे अशी बातमी आढळत नाही. वास्तविक आपल्या मुलीवर बलात्कार / अत्याचार झाला तर तसे करणाऱ्यास फासावर लटकावयाला हवे. पण बाकींच्या पोरींवर किंवा शेजारच्या मुलीवर तसे अत्याचार झाले तर त्याच मुलीची चुकी आहे / असेलच किंवा तिचे वर्तन तसलेच आहे असे म्हणणारा एखादा असतोच. यावरून एकूण भारतीयांची मानसिकता समजूत येते.

याचा विचार करत असताना एक बातमी आठवली सुब्रमण्य या कर्नाटकातीलच मंगळूरूमधील एका वर्षापूर्वी घडलेली घटना केवळ एक फोटो. या एक फोटोचे विशेष महत्त्व म्हणजे बातमी त्या फोटोतच होती. मुली तरुण होत्या. त्या दोघी टी शर्ट घातलेल्या, पायात शूज, अर्धवट बांधकाम झालेल्या इमारतीच्या खाली एकमेकींच्या शेजारी बसलेल्या सोबत त्यांच्या जवळ पडलेली एक बिअरची बाटली आणि ग्लास. फोटो हीच बातमी वाटावी असे या फोटोत होते. हा फोटो मंगळूरूमध्ये व्हॉट्सअप वर व्हायरल झाला. बदनामी तर झालीच पण ज्या सुब्रमण्यश्वरा कॉलेज मध्ये शिकत होत्या तेथील प्राचार्यांनी दबावाखाली येत त्यांना कॉलेजमधून निलंबित केले. विचार केला असता या तरुणींच्या ऐवजी दारू पिणारे तरुण सापडले असते, त्यांचे फोटो व्हायरल झाले असते तर कोणत्याच लोकांनी किंवा तेथील प्राचार्यांनी लक्ष घातले असते का? विचार करण्यासारखी एक गोष्ट म्हणजे दक्षिणेकडच्या या राज्यात सर्वाधिक उच्च शिक्षित स्त्रिया आहेत. अशा राज्यात जेव्हा दोन तरुणींना त्या बाहेर एकत्र सापडल्या म्हणून निलंबित केले जाणे कितपत योग्य! असा प्रश्न पत्रकारांनी प्राचार्याला विचारले तेव्हा चौकशीचे आदेश त्यांनी दिले नंतर एक बातमी समोर आली की काही दिवसांपूर्वी काढलेला तो फोटो होता. आपल्या मित्रांबरोबर कॉफी पिण्याकरता त्या तरुणी गेले होते. पुढे प्राचार्यांनी निलंबन रद्द केले. याचे एकूण विचार केले असता काहीही असो नेहमी विरोधाभासात सापडते ती 'स्त्रीच' 'तिचा तुरुंग विस्तारत आहे' एवढेच!

“तिचा तुरुंग विस्तारत आहे”

माझं फॅशन टेक्नॉलॉजी डिपार्टमेंट

योगिता सातभाई, फॅशन टेक्नॉलॉजी डिपार्टमेंट

सतत सुई, धागा किंवा पेन्सिल हे हातामध्ये असणाऱ्या Fashion Technology च्या student च्या हातानी आज पेन घेतलेला आहे. लेख लिहायला ते पण Fashion Technology वर.



बघु या, धाग्यांच्या स्टीचेसने सुंदर कलाकृती बनवणाऱ्या हातामधून आज शब्दरूपी स्टीचेस कशा पडतात ते.

अखेर तो दिवस आला ज्या दिवशी मला खात्री पटली, कि मी खूप भाग्यवान आहे. मान्य आहे मला, मी माझी स्तुती करत आहे. पण आता तुम्हीच सांगा एखाद्या व्यक्तीचे शालेय शिक्षण, दहावी, बारावी, महाविद्यालयीन सगळं, एकाच संस्थेतून झालं असेल, जी संस्था तुमच्या आवडीची असेल, आणि जर त्याच संस्थेत तुम्हाला पुन्हा शिकण्याची संधी मिळाली तर तुम्ही स्वतःला नशिववान नाही का समजणार? होय, बरोबर.... तो तोच दिवस होता, ज्या दिवशी मी मॉडर्न कॉलेजच्या फॅशन टेक्नॉलॉजी विभागात प्रवेश घेतला. आणि खरं सांगितलं तर अतिशयोक्ती ठरेल पण पहिल्या दिवसापासून सुरु झालेला माझा Fashion Technology सोबतचा हा प्रवास अगदी आजपर्यंतचा हा स्वप्नवतच होता.... नाही नाही भांबावून जाऊ नका.... लेखक म्हणून मी तुमचं सगळं confusion दूर करणार आहे. मॉडर्न कॉलेज मध्ये Fashion Technology विभाग आहे. मी त्याबद्दल सांगायला कमालीची तयार असते नेहमीच.

मुळात सुरुवात आपण Fashion Technology या नावाने करू या. म्हणजे आपल्याकडे अजूनही बऱ्याच जणांमध्ये असा समज आहे की Fashion Technology किंवा Fashion Designing म्हणजे फक्त कपडे शिवणे.... पण, वास्तवात मात्र तसे काहीच नाहीये. तर Fashion Designing म्हणजे कपडे कसे शिवावे, कोणते कपडे कशाप्रकारे शिवावे, कोणत्या व्यक्तीला कसे कपडे चांगले दिसतील, तसेच, ड्रेस शिवताना कुठले कापड कोणत्या ड्रेससाठी योग्य आहे, कपड्याचे वेगवेगळे प्रकार आहेत हे सर्व

कळण्यासाठी या विषयाची थिअरी शिकवल्या जाते. तसेच मोठ्या प्रमाणात उद्योगधंदा कसा असतो हे सर्व कंपन्यांना भेटी देऊन बघायला मिळते. कापसापासून कापडापर्यंत निरनिराळ्या प्रक्रिया तसेच शिवणाच्या आधुनिक मशिनस व त्यासाठी लागणाऱ्या लेसेस, बटन्स, एम्ब्रॉयडरी सर्व पाहण्यास मिळते. हे सगळं अगदी थक्क करणारं असतं.



तसेच, रंगसंगती विषयी ज्ञान यावे, रंगसंगती कळावी तसेच ते कापड परिधान केल्यानंतर कसे दिसेल या करिता त्याची कागदावर प्रतिकृती तयार करणे. तसेच, वेगवेगळ्या डिझाईन्स कशाप्रकारे वापरता येतील. या करता ड्रॉईंग चे लेक्चर असते. तसेच, आम्हाला एम्ब्रॉयडरीचे वेगवेगळे प्रकार शिकवले जातात. म्हणजेच, आम्ही Fashion Designing मध्ये फक्त कपडे शिवणे न शिकता Pattern Making, Garment Construction, Embroidery and Surface Ornamentation, Fashion Illustration; तसेच, Art Element of Fashion म्हणजे Proportionate Drawing, Light Effects, Textures design balance Colour theory, Perspective, Presentation techniques, Cuttings, Power Point Presentation अशा अनेक गोष्टी शिकतो.

आता मी तुम्हाला आधीच सांगितलं आहे, कि मी खूप नशिववान आहे.... ह्याचं दुसरं कारण म्हणजे आमचे शिक्षक आणि आमचं कॉलेज वरती नमूद केलेल्या सगळ्या गोष्टी खूप बारकाईने आणि तितक्याच हिरीरीने शिकवणारे शिक्षक आम्हाला मिळाले आहेत. “शिक्षक हे चंदनासारखे असतात. ते स्वतः झिजतात पण सभोवताली सुगंध देऊन जातात”. असं मी लहानपणापासून बऱ्याचदा ऐकलंय. पण, ते अनुभवायला आमच्या कॉलेजमध्ये मिळालं. आमचं डिपार्टमेंट.... फॅशन टेक्नॉलॉजी मुळातच सगळ्या मुलींचं हे डिपार्टमेंट असल्याने आमच्या मधील कलागुणांची देवाण घेवाण ही खूप चांगल्या पद्धतीने होते. कदाचित, हेच कारण असेल की आम्ही आंतरमहाविद्यालयीन ‘फॅशन शोज’ चे जेतेपद मिळविले.... निश्चितच ह्या सगळ्यांमध्ये आमच्या शिक्षकांचा आणि

महाविद्यालयाचा सिंहाचा वाटा आहे, ह्यात तिळमात्र देखील शंका नाही.

अशा 'फॅशन शो' साठी जेव्हा आम्ही ड्रेसेस, ॲक्सेसरीज, तयार करत होतो तेव्हा आम्हाला खूप काही नवनवीन गोष्टी करायला मिळाल्या, शिकायला मिळाल्या. त्यामुळे आमच्यामध्ये एक नवे चैतन्य आले एक नवा आत्मविश्वास आला. आपण खूप काही करू शकतो याची खात्री पटली.

आमचं आत्मविश्वास अजून वाढावा व आम्हाला या क्षेत्रातील ज्ञान मिळावे म्हणून आमच्यासाठी 'One Day State Level Seminar on Trends in Fashion Design Industry' आयोजित केला होता. या सेमिनारमध्ये आम्हाला Textile in Fashion Industry, Garments for mass production, Printing Techniques, Creation of own enterprise, Importance of grooming, Fashion Design eco system या सगळ्या विषयांमधून आम्हाला IIT, NID, Industry मधून आलेल्या दिग्गजांचे मार्गदर्शन मिळाले. हा सेमिनार आमच्या भविष्यासाठी नेहमीच उपयुक्त राहील.

हे सर्व वाचून तुम्हाला पूर्णपणे खात्री पटलीच असेल आणि हो मी देखील मुद्देसूदपणे ठरल्याप्रमाणे नशिबवान का आहे हे सिद्ध केलं असेलच याची खात्री आहे.

मुळातच एखाद्या कलाकाराला त्याच्या कलेसोबत जगायला मिळालं तर त्याला अगदी स्वर्गप्राप्तीचा पराकोटीचा आनंद होतो आणि तिच संधी मला मॉडर्न महाविद्यालयाने दिली. मनापासून शिकवणारे आणि घरच्यांप्रमाणे काळजी घेणारे शिक्षक, वेळोवेळी प्रोत्साहित करणारे प्राचार्य, नवनवीन संधी देणारे महाविद्यालय, ह्या महाविद्यालयाला सर्वतोपरी सहाय्य करणारे विद्यापीठ हे सगळं एकाच ठिकाणी मिळणं म्हणजे खरंच दुग्धशर्करा योग्यच म्हणावा लागेल.... तर अशा या वातावरणात कोणाचा सर्वांगीण विकास होणार नाही?

फॅशन टेक्नॉलॉजी विभाग हा फक्त विद्यार्थ्यांना शिकवतच नाही तर त्यांना स्वावलंबी बनविते, मोठमोठी स्वप्ने बघण्याची नजर देते त्या स्वप्नांना साद घालण्याचे बळ देते.

तर, अशाच ह्या माझ्या फॅशन टेक्नॉलॉजी सोबतचा माझा आजपर्यंतचा हा प्रवास इतका उत्साहवर्धक आणि रोमहर्षक होता की तो कधी संपला मलाच कळलं नाही. आणि तो पुढेही ह्याच्यापेक्षा दुपटीतिपटीने रोमहर्षक असेल ह्यात शंकाच नाही. फॅशन टेक्नॉलॉजी वर लेख लिहिण्यासाठी पेन हातात घेतला होता. शब्दरूपी माझा पूर्ण प्रवास लेखणीने कागदावर कधी उतरला हे कळलंच नाही. पण आता माझ्या स्वप्नांना सत्यात आणणारी वीण घालण्यासाठी मला इथे थांबावं लागेल.... माझी सुई धागा आणि पेन्सिल माझी वाट पहात आहेत.

एकनूर आदमी दसनूर कपडा

हा फॅशन डिझायनींगचा पहिला धडा
सुंदर दिसावं ही प्रत्येक बालेची एकच फॅशन
काय सांगू बाई दर दिवसाला नवनवीन फॅशन
कापड कोणतं? टेक्श्वर काय?

घेतलं कापड शिवेल कोण?
भारीच प्रश्न, सोडवेल कोण?
एकच उत्तर फॅशन डिझायनींग
फॅशन डिझायनींग

डिपार्टमेंट ऑफ फॅशन टेक्नॉलॉजी

फॅशनचा जमाना अन्
त्याला कल्पकतेची जोड
सौंदर्य प्रसाधने वस्त्रांना
असे नावीन्याची ओढ
नव्या जुन्याची घालून सांगड
नित्य नवे ते रूप खुलते
कधी जुने ते नवे होऊनी
तरुणाईही मनी फुलते
कधी कुशल कारागिरी तर,
कधी रंगांचा खेळ असे
कधी चित्रविचित्राची चलती,
तर कधी नऊवारीचा घोळ असे
भिन्न देशीच्या भिन्न परंपरा
बिन्न देशीची भिन्न संस्कृती
या साऱ्यातून जे जे सुंदर
त्या साऱ्यांची करू स्वीकृती
प्रा. मानसी ठाकूर, फॅशन टेक्नॉलॉजी

काय दोष होता माझा ?

काय दोष होता माझा
होता की नव्हता
कुशीत तुझ्या फुलत होते
का मारलं आई तू,
का मारलं सांगना?
का मारलं सांगना ॥१॥
हवा पुत्र म्हणूनी मजला तू
मृत्युच्या खाईत का ढकलावे
परंतु हे का विसरले
मीच खरा आधार तुमचा ॥१॥
आई मीच होते तुझ्या वंशाचा दिवा
तू हे का मान्य केले नाही
मला तुझ्या कुशीत
उमलावेसे वाटले
परंतु तू उमलण्या आधी कुसकरून का टाकले? ॥२॥
बघ आई सभोवताली भारतीय नारी
आजच बघ ना आई तू प्रतिमा तिची
ती तर पोहचली चंद्रावर आई
मग तू मला कमी का लेखले? ॥३॥
स्नेहल डी. आलेगावकर, S.Y. B.Sc.(Comp. Science)

श्रद्धा आणि अंधश्रद्धा

महेश किशोर कांबळे, एम. ए. प्रथम वर्ष

मानव हा पृथ्वीवरील सर्व गोष्टींच्या उदयाचा तसेच विकासाचा केंद्रबिंदू मानला जातो. मानवी मेंदू हा पृथ्वीवरील इतर सर्व प्राण्यांपेक्षा जास्त विकसित आहे. त्यामुळेच पृथ्वीवर नवनवीन गोष्टींची निर्मिती झाली व त्यांचा विकासही झाला. जगाच्या इतिहासात आपल्या या भारत देशाला मानाचे स्थान आहे. अनेक पराक्रमी राजे महाराजे, थोर संत, समाजसुधारक, शास्त्रज्ञ या देशात जन्माला आलेले आहेत. अशा या आपल्या देशाला सामाजिक, सांस्कृतिक, धार्मिक व राजकीय परंपरा लाभलेली आहे. विशेषतः भारतीयांच्या मनावर धार्मिकतेचा प्रभाव अधिक आहे आणि या धार्मिकतेतूनच अनेक दैववादी प्रवृत्ती जन्मास आल्या.

भारतावर विशेषतः धार्मिकतेचा पगडा अधिक प्रमाणात असल्याचे दिसून येते आणि या धार्मिकतेतूनच मानवी मनात श्रद्धा आणि अंधश्रद्धा हे द्वंद्व सुरु झाले. मानवाच्या जीवनातील सर्व गोष्टींचे, कार्यांचे मूळ मन आहे. मन हेच सदाचार आणि दुराचारांचे जनक आहे. समाजामध्ये धर्माच्या नावाखाली लोक वेगवेगळ्या गोष्टी करत असतात. काही लोक मूर्तीपूजेला धर्म मानतात. काही लोक काल्पनिक देव देवतांना प्रसन्न करण्याकरिता उपवास करतात, तर काही अदृश्य शक्तीला प्रसन्न करण्यात, व्रत पालनात, तर मंत्र जपण्यात धर्म मानत असतात. या सर्व गोष्टींच्या मुळाशी प्रत्यक्ष अप्रत्यक्षरीत्या मानवाची श्रद्धा कार्यरत असते. श्रद्धेची साधी सरळ व्याख्या करावयाची झाल्यास ती अशाप्रकारे करता येईल, “मानवाची एखाद्या गोष्टीवरील निस्वार्थी निष्ठा, प्रेम म्हणजे

श्रद्धा होय”. ही श्रद्धा विश्वासातून निर्माण होत असते. त्याच प्रमाणे अंधश्रद्धा ही दुसरी बाजू कुठेतरी प्रत्येक जनमानसात रुजलेली आहे.

अंधश्रद्धेचा पगडा हा समाजमनावर जास्त प्रमाणात दिसून येतो. अंगात येणे, भूतबाधा होणे, बळी देणे, नवस करणे, व्रत, उपवास करणे अशा अंधश्रद्धा समाजात सर्रास दिसून येतात. काही लोक आपल्या इच्छा आकांक्षा पूर्ण होण्यासाठी देवाला नवस करतात, कोंबडे बकरे यांचा बळी देतात, तुला एवढे एवढे नारळ अर्पण करू, सोन्याचा कळस अर्पण करू अशी वेगवेगळी प्रलोभने देवाला दिली जातात. पण प्रत्यक्षात देव या सगळ्या गोष्टींचा खरंच भुकेलेला आहे का? याचा कोणीच विचार करत नाही. जर पृथ्वीची निर्मिती देवाने केली असेल तर या पृथ्वीवरील सर्व गोष्टी देवाच्याच आहेत. असे असताना त्याला या गोष्टींची आवश्यकता का असेल? या गोष्टीचा कोणी विचारही करत नाही.

वरील विवेचनांवरून आपणास स्पष्ट करता येते की, अंधश्रद्धांमुळे व्यक्तीचा, समाजाचा, एकंदरीत देशाच्या विकासात अडथळे निर्माण होऊ शकतात. परिणामी व्यक्ती अनेक समस्यांना सामोरी जाते. त्यामुळे अनेक हाल अपेष्टा व्यक्तीला सोसाव्या लागतात. अनेक संकटांना व्यक्तीला तोंड द्यावे लागते. एकंदरीत व्यक्तीचा विकास खुंटतो व त्याची प्रगती होत नाही. म्हणूनच सध्या समाजात अंधश्रद्धा निर्मूलन समितीसारख्या संस्था कार्यरत आहेत. जेणेकरून देशाच्या विकासातील अंधश्रद्धेमुळे विकासास हातभार लावता येईल.

जाणीव होते तेव्हा....

नेहा शंकर बवले, S.Y.B.A.

जाणिवांच दुःख काय असतं,

जरा वेदनांना कळावं

वेदनेवर मलम तरी असतो,

पण जाणीवांवर शोधूनही सापडत नाही.

माणसांच्या बोलण्यात मी खूप वेळा ऐकलं आहे की, अज्ञानात खरं सुख आहे, पण ज्ञानामुळे उमगतं की आपलं खरं दुःख काय होतं? तेव्हा खऱ्या गोष्टींची जाणीव माणसाला झालेली असते. जाणीव झाली की जबाबदारीचे भान येते आणि नकळत यातून विचारांचा प्रवास आचाराकडे होतो.

अज्ञानात जगण्यात, अजाणतेपणाने वावरण्यात वेगळंच सुख असतं. काही लोक असं मानतात, खूप सुंदर असतं जीवन जेव्हा उणिवेची जाणिवच नसते. काय चांगलं? काय चूक, काय बरोबर? हे माहित सुद्धा नसते. पण खरा संघर्ष तेव्हा सुरु होतो जेव्हा साऱ्या चांगल्या, योग्य त्या गोष्टींची जाणीव माणसाला होते. उत्तम गोष्टी आत्मसात करण्यासाठी धडपड सुरु होते. कुंपण असणाऱ्या बागेत मोकळेपणाने स्वच्छंद उडणाऱ्या फुलपाखरांचा जसा कोंडमारा होतो तसं जाणीव निर्माण झालेल्या माणसाचा प्रतिकूल

परिस्थितीशी आणि स्वतःचाच स्वतःशी संघर्ष सुरु होतो. विचारांचा, चांगल्या आचारांचा.... विचार कसे भरधाव वेगाने येतात ना.... निवडलेले, आवडलेले, तिखट, खारट, कडू, चांगले – वाईट सारेच. काही रेंगाळतात, काही सुटतात, काही निसटतात, काही तर सोडावे लागतात. शेवटी विचारांनी जरी थैमान घातलं तरी कोणत्या विचारासोबत जायचं आणि कोणाला मागेच सोडायचं हे आपलं आपण ठरवत असतो.

कधी कधी तर या विचारांच्या संघर्षात कोलमडून पडतो माणूस आणि वाटतं सारं सोडावं आणि अहंकाराने माखलेल्या वरचढ विचारांसमोर मानावी हार आणि झुकवावी मान. पण आशावाद संपता संपत नाही. ध्येय गाठायची उर्मी स्वस्त बसू देत नाही. उलट जास्तच तीव्रता वाढते. लढून, सोसून पण यश खेचून आणूच आपण, असा विश्वास वाढतो.

जाणीव जिवंत ठेवण्यासाठी माणूस जीवनभर राबतो. खरंच, चांगुलपणाची जाणीव वाईट असते. काटेरी देठावर असलेल्या गुलाबाप्रमाणे सुंदर आयुष्यात ती माणसाला पुन्हा पुन्हा भेटते”.

त्याचं काय?

रुपाली निलेश वर्णे

हा लेख मुद्दाम लिहिते, विषय तसा गहन आहे. पण आपल्या धकाधकीच्या जीवनात आपण त्याचा विचार करत नाही ही गोष्ट वेगळी. विचार करा ह्या विषयावर आपली नवी पिढी जग बदलू शकते. आपण आपल्या मुलांसाठी आपण काय काय स्वप्न पाहत असतो. आपले मूल मोठेपणी काय होणार यासाठी आपण कधीच क्षुद्र विचार करत नाही. माझे मूल डॉक्टर, इंजिनियर, वकील याच्या खालचा पेशा आपण कधीच निवडत नाही. माझ्या मुलाला चांगला आहार, चांगल्या दर्जाचे शिक्षण ह्या सगळ्या गोष्टी आपण स्वतःहून जातीने लक्ष देवून पाहतो. पण रस्त्यावरील गरीब मुलांना जेव्हा रस्त्यावर भीक मागताना, अस्वच्छ जेवण जेवताना आणि विशेषतः कधी मुलींना कपडे नसताना पाहून मनाला तुमच्या व माझ्या सुद्धा काळीज फाटल्या प्रमाणे वाटते का? मग या सगळ्या गोष्टी नुसत्या रोज पाहून सोडून देण्या सारख्या नाहीत. यांचे दुष्परिणाम हे समाजावर उमटायला लागतात ते कसे पाहू?

खरं तर ही मुले भरपूर प्रमाणात तुमची आमचीच मुले असतात. त्यांना कोणत्या मोठ्या शहरातून पळवून आणले जाते. मूल हे निरागस असते. त्याला पळवणारी व्यक्ती ही चतुर असते. तरीही ही मुले त्यांच्या संगतीत राहू लागतात. या मुलांविषयी बहुतेक प्रमाणत त्यांना प्रेम ही भावना नसून वापर (उपयोग) करून घेणे हे त्यांचे ध्येय असते. भीक मागायला शिकवणे. जन्माला आल्यानंतर जगण्यासाठीची ही पहिली पायरी त्यांना चढावी लागते.

त्यानंतर सुरुवात होते व्यसनाची. व्यसनाची सवय ही त्या भीक मागणाऱ्या कुटुंबांनी दिलेली असते. अशा प्रकारे व्यसन हे नित्याचे होऊन जाते. रस्त्यावरील गुंड व्यक्तींकडून त्यांचा सरास वापर होऊ लागतो आणि त्यातून गुंड प्रवृत्तीला आपला आदर्श समजून त्यांचे अनुकरण चालू होते. या सगळ्यातून आपल्या समाजाला गुंड मिळतात. त्याच बरोबर विकासाच्या दिशेने चालणारी नवी पिढी निर्माण होण्या ऐवजी त्रासलेल्या आयुष्यातून विषम समायोजनातील मुले आपल्याला मिळतात. ह्या मध्ये सर्व चूक जी मुले पळवून नेतात त्यांची नसते. आपल्यातील करियर प्रधान समजणाऱ्या पालकांची देखील असते. आपला करियर बनविण्याच्या धडपडीत आपण मुलांकडे लक्ष देण्याचे प्रमाण कमी आहे. पालकांना मुलांसाठी वेळ मिळत नाही आणि मुले घरातून निघून सुद्धा जातात. मूल घरातून निघून गेल्यानंतर त्यांची वाताहत चालू होते. त्याच बरोबर एक ते दोन दिवसाच्या बालकांना रस्त्यावर सोडून जाणे हा प्रकारही वाढत आहे.

आपण ह्या परिस्थितीत बदल करू शकतो. आपल्यातील प्रत्येकाला ही मुलं सिग्नलला रस्त्यावर सहज भेटतात आणि आपण पैसे देऊन पाठ सोडवतो पण त्यात आपण बदल करून दोन मिनिट

थांबून त्यांची चौकशी करा. खरंच, ते मूल का भीक मागतंय त्याचं कारण शोधा. त्याला शिक्षणाचे महत्त्व पटवून सांगा. त्या मुलांची विचारशक्ती बदला.

मोठमोठ्या मंदिरांना देणग्या देण्यापेक्षा त्या मुलांना शैक्षणिक मदत मिळवून देण्याचा त्याच प्रमाणे योग्य आहार मिळवून देण्यासाठी प्रयत्न करा. जेव्हा तुम्ही आम्ही सगळे यांची चौकशी करू तेव्हा त्यांना पळवणाऱ्या टोळक्यांची खैर उडेल. त्यांना कळून चुकेल की ह्याची सुद्धा चौकशी सामान्य माणूस करतो आहे. आपण सगळे आपला दृष्टीकोन बदलून यात. यांच्या संवर्धनासाठी बरेच NGO कार्य करतात. जेव्हा आपण सर्व याचा विचार करू लागू तेव्हा यात होणारे सकारात्मक बदल दिसू लागतील. संशयास्पद व्यक्तीकडे जर लहान मुले आढळली तर त्याची आणि त्या व्यक्तीची माहिती पोलीस ठाण्यात देऊन आपण त्या बालकाची सोडवणूक करू शकतो. अशा प्रकारे मित्रांनो तुम्ही आम्ही आपण सर्वांनी विचार केला तर ह्या देशात असा लहान मुलांचा वापर करणारी नराधम श्वास घेवू शकणार नाहीत. प्रत्येकांनी जागरूक राहून प्रयत्न करणे गरजेचे आहे. आपल्या पैशाला योग्य दिशा देऊन आपण भावी पिढीचे रक्षण करू शकू. त्यांना आरोग्याच्या सुविधा पुरवू शकू.

कॉलेज मधील सुगंधी आठवणी

असं नेहमी आपल्याबरोबरच का होतं
पहिल्यांदा सर्वांप्रमाणेच college बोअर वाटतं
अचानक एक दिवस तो गोड चेहरा वर्गात येतो
आणि अख्खी college life बदलवून जातो
मग पकाऊ लेक्चर असले तरी वर्गात बसावेसे वाटते
Result येत नसला तरी practical करावेसे वाटते
लायब्ररीमध्ये तासन् तास भुरंन उडून जातात
पुस्तकातली नाही तरी मनातली चार पाने वाचून होतात
Extra lecture ठेवले तरी आपली त्याला ना नसते
आता तर रविवारी पण college मध्ये यायची तयारी असते
असे करता करता.....

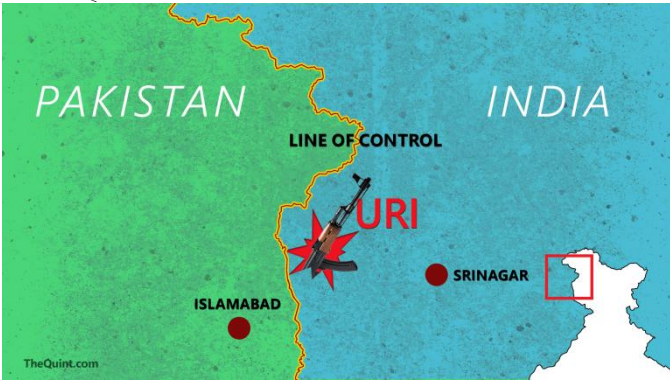
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न थांबणारे वाद

नाझिया एफ. मकंदर, T.Y.B.Sc. Biotechnology

२०१६ मध्ये अनेक घटना घडल्या. बऱ्याचशा बातम्या चर्चेत होत्या. जसे नोटबंदी, डोनाल्ड ट्रम्पचा विजय, सर्जिकल स्ट्राईक, इत्यादी. या घडामोडींनी अनेकांना सुखाचं तर काहींना अचानकच मोठा धक्का दिला. --- - - -

अशी एक सप्टेंबर मध्ये घडलेली घटना, ज्याने संपूर्ण देशाला हादरावून टाकले. ती म्हणजे काश्मिर मधल्या 'उरी'वर केलेला हल्ला. तसं पाहायला गेलं तर काश्मिर म्हणजे दहशतवाद्यांचे दुसरे घरच बनले आहे. वाटेल तेव्हा येऊन, वाटेल तसं काश्मिरला उद्ध्वस्त करण्याचा त्यांचा बेत असतो. या हल्ल्यात किती तरी निष्पाप, निर्दोष लोक तसे काही भारतीय सैनिक मारली गेली. ही सहन न होणारी घटना होती. म्हणूनच भारत सरकारने घेतलेला निर्णय महत्त्वाचा वाटतो.



एक अशी योजना ज्याने पाकिस्तान मधल्या निष्पाप लोकांना, त्यांच्या मालमत्तेला हानी न करता किंवा कमीत कमी हानी करून दहशतवाद्यांना चोख उत्तर दिले. त्यालाच 'सर्जिकल स्ट्राईक' म्हणतात. हा निर्णय खरंच कौतुकास्पद आहे. त्यानुसार भारतीय सैनिकांनी या आखलेले योजनेनुसार व्यवस्थित अंमलबजावणी केली व दाखवून दिले सर्व राक्षसी वृत्तीच्या दहशतवाद्यांना की, भारताला नमवणं एवढं सोपं नाही. त्या निर्दयी दहशतवाद्यांना धडा शिकवताना आपले ३८ सैनिक वीरगती प्राप्त झाले. त्यांचे हे बलिदान कधीच व्यर्थ जाणार नाही. पाकिस्तानातील काही माणुसकी हरवलेले लोकांना धडा शिकवणं गरजेचं होतं. त्यासाठीच केलेला हा त्याग होता. '२६/११' सारखे, 'उरी' सारखे हलले करणाऱ्या लोकांना (दहशतवाद्यांना) हे चोख प्रत्युत्तर होते. रात्री शांत वाटणारा समुद्र जसा भरतीच्या वेळी व त्सुनामी वेळी अक्राळ विक्राळ रूप धारण करतो, तसेच भारताने सैनिक रुपी 'सर्जिकल स्ट्राईक'च्या लाटेने सर्व दहशतवाद्यांची स्थळे गिळंकृत केली.

का अमानुषपणाची हद्द हे नेहमीच पार करतात? का धर्माच्या नावाखाली निष्पाप लोकांचे जीव घेतात? कधी संपणार हे संघर्ष? एकेकाळी भारताचाच भाग असलेला हा देश धर्माच्या नावाखाली

आणखी किती बळी घेणार? भारतापासून वेगळं काय झाला, या देशाने तर लोकांचीच धर्माच्या नावाखाली फाळणी केली. तेव्हा पासूनच प्रत्येक गोष्टीत विषमता आहे. राहण्याच्या सवयी पासून अंगावर घातलेल्या कपड्याच्या रंगापर्यंत विषमता जाणवते. पाकिस्तानात एक वेळेचं जेवण मिळविण्यासाठी सुद्धा सामान्य जनतेला कष्ट घ्यावे लागतात. गरिबीने त्रस्त झालेली लोक पैशासाठी काही करण्यास तयार होतात. अशा गरीब, त्रस्त झालेल्या लोकांना धर्माच्या (जिहाद) नावाखाली एकत्र करून प्रशिक्षण देण्याचे काम दहशतवादी संघटना करतात. बुटांना जसे काळ्या रंगाचे पॉलीश करतात, तसेच या संघटना कोवळ्या वयातील मुला/मुलींवर क्रुरतेचे धडे गिरवून त्यांची ही मने काळी करतात. अगदीच उदाहरण घ्यायचे झाले तर २६/११ चा आरोपी कसाब हा देखील अशाच काळ्या शिकवणीचा नमुना. भारतात हिंदूंचे व पाकिस्तान मुस्लिमांचे, असे धडे गिरवून भारतातील लोकं आपले शत्रू आहे असे सांगून त्यांना मारल्यावर तुम्हाला जन्नत मिळेल असे मानून या कोवळ्या मनावर चुकीच्या गोष्टी बिंबविल्या जातात.



कुठेतरी हे थांबणं खूप गरजेचे आहे. कठीण आहे पण अशक्य नाही. मोदींचे 'Look Towards The East' हे शांततेचे प्रतिक असलेले धोरण याचेच एक पाऊल आहे. ही दहशतवादी वृत्ती थांबवायलाच हवी.... त्यासाठी पाकिस्तानची सत्ता लष्करांच्या हातात न ठेवता ती सुजाण, सर्वधर्मसमभाव मानणाऱ्या नागरिकांच्या हाती देणे गरजेचे आहे. तेव्हा कुठे नावाला शोभेल असे पाकिस्तान तयार होईल. शांततामय अशा पाकिस्तानचे भारताकडून नेहमीच स्वागत आणि कौतुक होईल. 'Look Towards The East', म्हणजेच पूर्वीकडील सर्व देश बुद्धाच्या शिकवणी प्रमाणे चालतात. तसे भारताने ही हे धोरण हाती घेतले आहे. पाकिस्ताननेही असे धोरण हाती घेऊन शांततामय वातावरण निर्माण केले तर काश्मिरचे नक्कीच खरा स्वर्ग झाल्या शिवाय राहणार नाही. तेव्हाच हे 'न थांबणारे वाद' अंत पावतील.



स्त्री अबला नव्हे सबला

महेश किशोर कांबळे, एम. ए. प्रथम वर्ष



‘अशीच असती आई आमुची सुंदर रूपवती आम्हीही सुंदर झालो असतो वदले छत्रपती’. खरोखरच किती आशय आणि शिकवण दडलेली आहे या ओळीत. परस्त्रीला सुद्धा मातेची उपमा देऊन तिचा साडीचोळीने सन्मान करून समस्त हिंदू विश्वापुढे आदर्श ठेवणाऱ्या शिवाजी महाराजांच्या महाराष्ट्रात आपण राहतो. ज्या शिवाजी महाराजांची जयंती आपण वर्षातून दोन दोन वेळा साजरी करतो, ‘जय शिवाजी’ अशी आरोळी देताना आपली छाती अभिमानाने फुलून येते, मराठा म्हणवून घेताना जीभ तसूभर सुद्धा कचरत नाही अशा थोर शिवाजी महाराजांच्या कार्याचा मात्र आपल्याला पूर्णपणे विसर पडलेला दिसतो. कार्याचा विसर पडला म्हणण्यापेक्षा त्यांच्या शिकवणीकडे आपण कानाडोळा केला असे म्हणणे जास्त योग्य वाटते.

शिवाजी महाराजांची धडाडी वृत्ती, त्यांची चिकाटी यांचे आपण न सांगता अनुकरण केले हे चांगलेच आहे. पण ज्या गोष्टी जसे की स्त्रीच्या सन्मानाची गोष्ट जी आजपर्यंत अनेक संतांनी, थोर विचारवंतांनी, महापुरुषांनी आपल्या मनावर बिंबवण्याचा प्रयत्न केला तो मात्र अपयशी झाला. स्त्रियांवर होणारे अनन्वित अत्याचार ही काही आजची नव्याने घडणारी गोष्ट नाही. या गोष्टींना खुद्द इतिहाससुद्धा साक्ष आहे. पण जसे इतिहासाची पुनरावृत्ती होऊ नये, इंग्रजांसारखे पारतंत्र्यात आपणास ठेवू नये म्हणून आपण दक्षतेने पाऊले टाकतो. त्याच्याच दुसऱ्या ठिकाणी जेव्हा ‘स्त्री’ नावाच्या जातीचा उल्लेख होतो त्यावेळी मात्र आपले ‘पहिले पाडे पंचावन्नच’ का? पुढच्यास ठेच मागचा शहाणा असं म्हणतात. मग आपल्याला शहाणं व्हायचं नाही का डोळ्यावरची पट्टी सर्व काही दिसून सुद्धा दूर करायचीच नाही?

आजच्या आधुनिक काळात स्त्री ही पुरुषाच्या खांद्याला खांद्या लावून काम करते. कोणत्याही क्षेत्रात स्त्री पुरुषापेक्षा मागे नाही. किंबहुना पुरुषापेक्षा काही क्षेत्रात ती पुढेच आहे. ही गोष्ट समस्त स्त्री वर्गासाठी अभिमानास्पद आहे. पूर्वीच्या काळी लोक अशिक्षित होते, अडाणी होते, परंपरावादी होते, त्यांना चांगल्या वाईटाची जाण नव्हती, पुरुषप्रधान संस्कृतीचा पगडा होता. या गोष्टी गृहीत धरून स्त्रियांबद्दलची संकुचित वृत्ती ग्राह्य मानताही येईल कदाचित. पण जसजसा काळ बदलत गेला, शिक्षणाची दारे उघडी झाली, लोक शिक्षित झाले, तसतसा विचारप्रवृत्तीत जो बदल अपेक्षित होता तो मात्र झाला नाही. काळाच्या ओघात सर्वांनी स्वतःच्या वाह्य मुखवट्याला बदलले. पण विचाराचे मंथन मात्र लोण्याच्या स्वरूपात कधीच परिपक्व झाले नाही.

पूर्वीच्या काळापासून स्त्रीवर होणारा अत्याचार मग तो शारीरिक असो किंवा मानसिक नेहमीच चिंतेचा व रागाचा विषय बनला आहे. पण पूर्वी स्त्रीच्या मनाची घुसमट व तिचे मन हे होणारा अत्याचार सहन करणारे एक बंदिस्त कपाट होते. ज्या कपाटात आजपर्यंत कितीतरी जणांनी आपापले वाईट कामाचे कागद नेऊन ठेवले व स्त्री नावाच्या कपाटाने मात्र प्रत्येक कुलुपाची चावी अलगद लपवून ठेवली. स्त्रीचे मन अपराध माफ करण्यासाठी खूप मोठे असते. याचा प्रयत्न तिने हर घडीला दिलेला आहे. पण काही काळाने मात्र या चाव्या गंजल्या व नवीन चावी बनवण्याची वेळ आली. व बनलेल्या नवीन चावीने जेव्हा कपाट उघडले तेव्हा मात्र भल्याभल्यांची बोटे तोंडात गेली, आरोपींच्या माना शरमेने झुकल्या आणि स्त्री अत्याचाराचा प्रश्न ऐरणीवर आला.

आजही आपल्याला अनेक घरगुती अत्याचाराच्या घटना पाहायला व ऐकायला मिळतात. ‘हुंडा’ ही एक समाजाला लागलेली कीड आहे. ज्या किडीने अनेक जणींचे आयुष्य पोखरून टाकले आहे. स्वस्ताईची जागा महागाईने घेतली. या बदलत्या परिस्थितीचा विचार करून ‘चूल आणि मूल’ एवढेच विश्व असणारी स्त्री लक्ष्मणरेषा ओलांडून घराबाहेर पडली. घरादारासाठी नोकरी करून पैसा कमवू लागली. पण त्याच स्त्रीच्या अस्तित्वाचा, सुरक्षिततेचा प्रश्न आज सर्वांना भेडसावून टाकत आहे. नोकरीनिमित्त, कामानिमित्त रात्री बेरात्री बाहेर पडणारी, किंवा घरी परतणारी स्त्री अजिबात सुरक्षित नाही, हे निर्भया प्रकरण, कोपडी प्रकरण चांगल्या पद्धतीने पटवून देतात. एखाद्या स्त्रीवर अन्याय अत्याचार झाला की त्यात स्त्रीचा दोष समजला जातो. तिच्यावर टीकास्त्र सोडले जाते. हे म्हणजे चोर सोडून संन्याशाला फाशी यातला प्रकार. समस्त पुरुष जात स्त्रीवर टीका करण्यास सरसावून पुढे येते, अत्याचारित महिलेला दिलासा दिला जातो. पण तिची गेलेली अब्रू त्याने परत येत नाही. मोठ मोठे राजकारणी तर निवडणुका जवळ आल्यावर स्वतःच्या फायद्यासाठी महिलेचे काही बरे वाईट झाले असेल तर कुटुंबाला नुकसान भरपाई जाहीर करतात. पण पैशाने सगळ्याच गोष्टी विकत घेता येत नाहीत. याचा विचार करण्याची सुद्धा यांच्या बुद्धीची पोच नसते. अर्थात सत्तेपुढे शहाणपण चालत नाही हा दुय्यम भाग.

स्त्रीच्या नावावर असणाऱ्या सबलती चालतात, स्त्रीने कमावलेला पैसा चालतो, मग स्त्रीची होणारी प्रगती या समाजातील काही घटकांच्या डोळ्यात का खुपावी? मध्यंतरी तर निर्भया प्रकरणाच्यावेळी उघडउघड स्त्रियांच्या वेषावर, पोशाखावर भाष्ये करण्यात आली. पण दोष स्त्रीच्या पोशाखात

नसून बघणाऱ्याच्या दृष्टीत असतो.स्त्री हे मनाने कोमल असणारे शास्त्र आहे. प्रत्येकजण दुसऱ्याच्या घरी अशा घटना घडल्यावर त्या घटनेकडे कानाडोळा करतो. पण आज जर आपण अन्यायाविरुद्ध आवाज उठवला नाही तर हीच वेळ उद्या आपल्या घरातील मुलींवरदेखील येऊ शकते हा विचार का नाही यांच्या मनात येत?

स्त्रीला आदिशक्तीची नावे दिली जातात. अनेक विशेषणांनी तिला संबोधले जाते. जर तिच्यावर असा काही प्रसंग आला तर स्वतःच्या संरक्षणासाठी म्हणून आजकाल कराटे, सेल्फ प्रोटेक्शन यांसारखे निरनिराळे ॲप कार्यरत आहेत. CIDच्या माध्यमातून तर अशी सोय होणार आहे की एक ॲप डाऊनलोड केल्यावर फक्त एका मिसकॉल वरती पोलिसांना लोकेशन कळेल व पोलीस त्वरित तेथे हजर होतील. ही झाली सगळी खबरदारी. पण खबरदारी घेण्याची वेळ तेव्हाच येते जेव्हा गुन्हा घडण्याची शक्यता असते. गुन्हा संपवला तर हा प्रश्नच उद्भवत नाही. 'कल करे सो आज कर, आज करे सो अब' याप्रमाणे प्रत्येकाने आजपासून व स्वतःपासून स्त्री

सन्मानाची सुरुवात केली पाहिजे. ज्याप्रमाणे आपण आपल्या आईचं आदर करतो कारण ती आपली जन्मदात्री असते. त्याच प्रमाणे अत्याचार होणाऱ्या महिला सुद्धा कोणाची तरी आई, बहीण, बायको असतात, याचा विचार प्रत्येकाने करायला हवा. शिशुपालाला शंभर अपराध माफ होते. त्याप्रमाणे त्याने केलेही पण जेव्हा त्याच्या शंभर अपराधांचा घडा भरला तेव्हा खुद्द देवानेही त्याचा नाश केला. स्त्री ही सुद्धा एक शक्ती मानली जाते. आजपर्यंत अनेक पापांचे घडे भरले आहेत. पण जेव्हा सर्व स्त्री जात एकत्र येऊन या अन्यायाविरुद्ध आवाज उठवेल तो दिवस बघण्यासाठी मात्र सर्व आरोपींची तारांबळ उडेल, खोटी आश्वासने देणारी तोंडावर पडतील, दिलासा देणारे तर गायबच होतील आणि या स्त्रीशक्ती समोर सर्वांची मान आदराने झुकेल आणि कायम झुकलेली राहील यात शंकाच नाही.

डॉ. वि. भा. देशपांडे - मॉडर्नचे वैभव

सौ. शैलजा पानसे (माजी विद्यार्थिनी)

डॉ. वि. भा. देशपांडे सरांच्या निधनाची बातमी वाचून खूपच हळहळ वाटली. मॉडर्नमध्ये शिकवणारे सर संपूर्ण महाराष्ट्रभर प्रसिद्धी पावलेले, नाट्यसमीक्षक, लेखक, नाट्यक्षेत्रातील आदरणीय व मानाचे स्थान असणारा जाणकार जेव्हा आमच्या वर्गात शिकवायला यायचे तेव्हा सर्व विद्यार्थ्यांना खूप कौतुक वाटत असे. सर्व तास सरांचेच असावेत व तास कधी संपूच नये असे वाटे. सर आम्हाला बोलतं करत लिहिताे करायचे. सर थोडे गंभीर स्वकपाचे वाटायचे. कधी खळखळून हसायचे नाही कायमच ते स्मित हास्य करत असायचे.



सरांची नाट्य सिनेकलावंतांबरोबरची उठवस आम्हाला जाणवत असे. सर व्याख्याना निमित्ताने प्रवास करत, नाट्यावलोकनासाठी जागरण करत परंतु ही कारणे सांगून सर कधी तासाला उशिरा आले नाहीत किंवा जांभया देत शिकवताना दिसले नाहीत. सर सदैव उत्साही असत व त्यांची लेखणी सतत काम करत असे. आपल्या हसण्यावर कसे नियंत्रण असावे हे सरांकडून शिकावे.

त्यांच्या विनोदीशैलीने सर्व वर्गभर जरी हशा पिकला तरी सरांचे स्मितहास्य ठरलेले. वाचन लेखन का करावे? कसे करावे? यांचे उत्तम मार्गदर्शन विद्यार्थ्यांना सहज व सदैव सरांकडून मिळत असे. सरांच्या व्यासंगी व्यक्तिमत्त्वाचे दर्शन त्यांच्या अध्यापनातून होत असे. महाविद्यालयीन शिक्षण पूर्ण केल्यावर सरांशी संपर्क राहिला नाही परंतु त्यांनी सर केलेली यशाची शिखरे सदैव वृत्तपत्रातून झळकत व वाचनात येत असत. नाट्यप्रशिक्षण वर्ग, नाट्यकोशाची निर्मिती, चर्चासत्रे परिषदा या ठळक गोष्टींमुळे महाविद्यालयास नवीन परिमाण मिळाले.

वसतिगृहात चर्चा होत असे मराठी कोण शिकवते या विषयी आपण म्हटले वि. भा. सर की आश्चर्य व्यक्त होत असे. वि. भा. सर नाही 'मॅडम' असतील परंतु आम्हाला सांगावे लागे वि. भा. देशपांडे सर आहेत त्यांना सर्वजण 'विभा' या नावानेच संबोधतात.

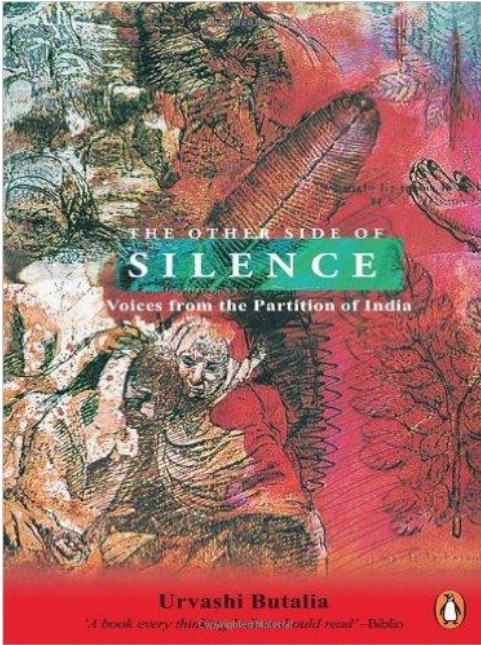
त्यांच्यातील साधेपणामुळे त्यांचे व्यक्तिमत्त्व सदैव लक्षात राहील. संपूर्ण नाट्यक्षेत्रावर अधिराज्य गाजवणारा माणूस आम्हाला मात्र सहज उपलब्ध असायचा याचे खूपच विशेष वाटायचे.

लक्ष्मीबाई टिळकांचे स्मृतीचित्रे, विश्राम बेडेकरांची रणांगण कादंबरी, पु. ल. एक साठवण अशी पुस्तके केवळ सरांच्या सांगण्यामुळे आमच्या वाचनात आली. माझ्या विद्यार्थी दशेत मॉडर्नचा मराठी विभाग हा तीन दिग्गजांनी समृद्ध होता ते म्हणजे डॉ. भीमराव कुलकर्णी, डॉ. वि. भा. देशपांडे आणि डॉ. द. दि. पुंडे सर. सतत कार्यरत असणाऱ्या वि. भा. देशपांडे सरांना विद्यार्थीवर्गा तर्फे आदरांजली व त्यांच्या कार्यास सलाम.

द अदर साइड ऑफ सायलेन्स

शेखर चोरघे, तृतीय वर्ष कला

१५ ऑगस्ट १९४७ साली भारताला स्वातंत्र्य मिळाले.सुमारे १५० वर्षांहून अधिक काळ इंग्रजांनी आपल्या या देशावर अंमल गाजवला व या दिवशी त्याच भारतातील सत्तेवरचा त्यांचा सूर्य कायमचा अस्त पावला.भारत स्वतंत्र झाला; एवढंच का? तर नाही, त्यासाठी भारताला फाळणीची फार मोठी किंमत मोजावी लागली आणि इथेच सुरुवात झाली त्या भयानक पर्वाला! फाळणी,एक रक्तलांछित इतिहासाच्या पर्वाला. या फाळणीत जो प्रक्षोभ झाला, हिंसाचार झाला हे जेव्हा कळते तेव्हा आपला आपल्या अहिंसेवरच्या तत्त्वावरचा विश्वास कसा काय डळमळीत होतो व माणूस क्रूरतेची कोणती परिसीमा गाठतो याचा सविस्तर वृत्तांत म्हणजे 'द अदर साइड ऑफ सायलेन्स' हे पुस्तक.



उर्वशी बुटालिया यांचे 'द अदर साइड ऑफ सायलेन्स' हे पुस्तक सामान्य वाचकापासून ते अभ्यासक विद्यार्थ्यांपर्यंत साऱ्यांना उपयोगी असे आहे. हे पुस्तक व त्यातील घटना, प्रसंग प्रत्येकालाच त्या फाळणीच्या भयंकर काळात घेऊन जाते आणि त्यावेळच्या परिस्थितीचे वर्णन करते, नजरेसमोर चित्र उभे करते. हे पुस्तक शेवटी माणसाला माणूस म्हणून पहायला लावून मानवतेच्या दृष्टीकोनातून विचार करायला भाग पाडते. असा हा फाळणीच्या काळ्या इतिहासावर डोळसपणे पण मानवतेच्या दृष्टीने पाहायला लावणारा महत्त्वाचा ग्रंथ. 'मेहता पब्लिशिंग हाऊस'ने इंग्रजीतून

भाषांतरीत करून बाजारात आणलेला हा ग्रंथ म्हणजे मराठी वाचकांची भारताची फाळणी व खरे वास्तव आणि तिची दाहकता याविषयीची समज विकसित करण्याच्या दिशेने केलेला एक गंभीर प्रयत्न आहे.

ऐतिहासिक काळापासून भारत हा देश शांततेसाठी प्रसिद्ध आहे. जगाच्या पाठीवर भारताची ओळख 'बुद्धाचा' व 'गांधीचा' देश म्हणून केली जाते. शांतता व अहिंसेच्या आयुधांनी सर्वांना मोहित करणारा हा देश. "अनेक संस्कृतींची विविधतेतील एकता" असे वर्णन पं.नेहरू भारताबद्दल करतात. पण त्याच भारतात फाळणीच्या काळात हिंसा शेवटचे टोक गाठते, लोक हिंसक होतात, धार्मिक कलह वाढतात,स्त्रियांवरील अत्याचारांचे प्रमाण वाढते तेव्हा स्वतःला अंतर्मुख होऊन बघण्याची गरज असते. या साऱ्या इतिहासाचे यथार्थ वर्णन उर्वशी बुटालिया यांनी त्यांच्या ३५३ पानी ग्रंथात अत्यंत विस्तृतपणे माणसांच्या भावनेला हात घालून मांडला आहे. या पुस्तकात एकूण ८ प्रकरणे आहेत. या आठ प्रकरणांत फाळणीची विस्तृत कहाणी मांडली आहे. उर्वशी बुटालिया यांनी या विषयावर दहा वर्षे संशोधन केलं. फाळणीची झळ पोहोचलेल्या लोकांच्या मुलाखती घेतल्या, सरकारी कागदपत्र तपासली, वृत्तपत्र, नियतकालिकांतील लेख, लोकसभेतील भाषणे यांचा अभ्यास केला आणि फाळणीचा एक चालताबोलता इतिहास पुस्तकरूपानं वाचकांपुढे ठेवला आहे.

लेखिकेने या पुस्तकात फाळणीग्रस्त सामान्य माणसांच्या व्यथा-वेदनांना केंद्रस्थान दिले आहे. त्यांनी फाळणीची धग सोसलेल्या असंख्य अज्ञात माणसांचा इतिहास जिवंत केला आहे. भारताची फाळणी झाली. दोन देश विभक्त झाले. पण त्या दोन देशांबरोबरच लोकांची मनेही विभक्त झाली. फाळणीतून सहीसलामत बाहेर आलेले लोक म्हणतात "फाळणी म्हणजे हृदयांची विभागणी होय". पुस्तक वाचताना लेखिका पुर्णपणे त्या दृश्यांत, प्रसंगात, घटनांत नेऊन सोडते व त्या भयानक अनुभवांची प्रचिती घ्यायला लावते. त्या फाळणी काळात जे सोसलं ते सामान्य

माणसाने. स्त्रीया-पुरुष, लहान मुलं सर्वांनी भोगलं. संपूर्ण फाळणीचा इतिहास म्हणजेच "सामान्यांनी भोगलेल्या यातनांचा, हिंसाचार, खून, जाळपोळ, विध्वंस, जुलूम, अत्याचार, क्रूरता या साऱ्याचा इतिहास. दुर्भंगलेल्या मनांचा इतिहास. बोथट झालेल्या जाणिवांचा इतिहास.

समाजात कोणतीही एखादी घटना घडली तरी त्याचे सर्वात वाईट पडसाद हे स्त्रियांवर पडतात. स्त्रियांना उपभोग्य वस्तु म्हणून पाहिले जाते. त्यांवर अत्याचार होतात, अन्याय होतो. शेवटी जेव्हा त्या स्त्रियांना स्विकारण्याची वेळ येते तेव्हा त्यांना नाकारले जाते. त्यावेळेस लेखिका एका ठिकाणी म्हणते की, 'त्या स्त्रियांना लोकांनी स्विकारावे यासाठी लोकांना आवाहन केले जाते परंतु त्यांचे धर्म बदलले, त्यांच्यावर बलात्कार झाले या कारणास्तव त्या स्त्रियांना स्विकारले जात नाही'. मग आम्ही फक्त त्या स्त्रियांच्या शरीरावरतीच प्रेम केले का? आम्ही कधी त्यांच्या मनाचा विचार करणार आहोत का? या ठिकाणी आम्ही माणसापेक्षा धर्माला किती जास्त आणि अवाजवी महत्त्व देतो? येथे धर्म महत्त्वाचा की माणूस? असे प्रश्न आपल्याला पडल्याशिवाय राहात नाही. हेच आपल्याला या फाळणीच्या हिंसाचारावरून दिसून येते. फाळणीच्या वेळी उफाळून आलेला हिंसाचार, झालेली लूटलूट आणि त्या दंगलीनंतरच्याही अनेक घटनांचा जो गुंता आहे तो सोडवायचा प्रयत्न लेखिकेने केलेला आढळतो. घटना घडून गेल्यानंतरसुद्धा जी एक मूक, निशब्द शांतता पसरलेली आहे, तिच्यावर लेखिकेने दृष्टिक्षेप टाकण्याचा व काही प्रमाणात बोलण्याचा प्रयत्न केला आहे.



३ जून १९४७ रोजी भारताची फाळणी निश्चित झाली; पण त्यापूर्वीच माणसांनी मानवतेला काळीमा फासून दंगली सुरू केल्या. रावळपिंडी, पूर्व बंगाल या भागात मार्च महिन्यापासूनच दंगलीना सुरुवात झाली होती. १६ ऑगस्ट १९४६ रोजी मुस्लिम लीग द्वारा राबवल्या गेलेल्या 'प्रत्यक्ष कृती दिना'च्या दिवशी एकट्या बंगाल प्रांतात ७२ तासात जवळजवळ २६००० लोक मारले गेले. नंतर त्याचे लोन बिहार मध्ये पसरले व माणसे एकमेकांना मारू लागली. हे माणसे एकमेकांना मारण्याचे सत्र देश स्वतंत्र होईपर्यंत चालू होते व शेवटी त्याचे पर्यवसान भारताच्या फाळणीत आणि अनुक्रमे त्यानंतरच्या घटनांत झाले. हजारो वर्षांपासून एकत्रितपणे नांदणाऱ्या हिंदू-मुस्लिम लोकांनी धर्माच्या नावाखाली अघोरी कृत्ये करण्यास सुरुवात केली. या फाळणीत जो प्रक्षोभ झाला, हिंसाचार झाला त्याला इतिहासात तोड सापडणार नाही. १ कोटी २० लाख लोकांनी स्थलांतर केले. जवळजवळ १० लाख लोकांचा बळी गेला. हिंसाचाराची परिसिमा गाठली. हा जो फाळणीचा वणवा पेटला त्यात मानवाने धर्म, जातपात, स्त्रिया, स्त्री-भावना, याचा बळी दिला गेला. त्या वनव्यात सर्वधर्मसमभावाची होळी झाली आणि मानवतेची आहुती देण्यात आली. धर्माच्या नावाखाली लोकांच्या कत्तली होऊ लागल्या. ज्या गोष्टींना कोणताच धर्म कधीच मान्यता देत नाही त्या गोष्टी धर्माच्या नावाखाली सर्रासपणे केल्या जाऊ लागल्या. या साऱ्यांची शोकांतिका म्हणजे हे पुस्तक.



फाळणीवर जे लेखन झालं आहे, त्या बहुतेक लेखांमधून असं दिसून येतं, की तिथे लोकांचा उपयोग माहितीचे साधन म्हणूनच केला आहे. नुसतीच माणसांची आकडेवारी त्यात दिसते. परंतु या पुस्तकात लेखिकेने पुस्तक लेखन करताना त्या लोकांचे दुःख, यातना, मनाचा गोंधळ यांमुळे त्या लोकांची जी परिस्थिती झाली

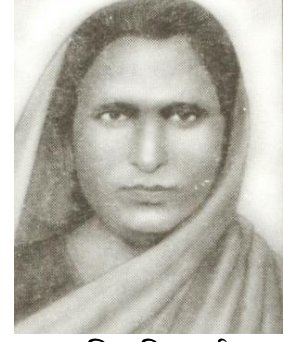
असेल तिचं चित्रण अत्यंत प्रभावीपणे केले आहे. शरीर आणि आयुष्यावर आधारलेला इतिहास लेखिकेने जिवंत केला आहे. पुस्तक वाचताना आपणांसही दुःख झाल्याशिवाय आणि रडू कोसळल्याशिवाय राहात नाही. शेवटी आपल्यालाही प्रश्न पडतो, खरंच माणसं इतकी भयंकर वागू शकतात!

यात कित्येक लोकांनी फाळणीचे दुष्परिणाम भोगले. या पुस्तकात फाळणीतल्या दाहक वास्तवाचं दर्शन जसं घडतं, तसंच फाळणीत उद्ध्वस्त झालेल्यांना सावरणाऱ्या सामाजिक कार्यकर्त्यांच्या माणुसकीचं, जिव्हाळ्याचं मनोरम दर्शनही घडतं. तसेच एकूण देशाची विभागणी, अनेक गोष्टींचा, कुटुंबांचा झालेला विनाश आणि हिंसाचार हे जसं दिसतं तसंच मैत्री, सहजीवन, सद्भाव या सद्गुणांच्या कितीतरी गोष्टींचे निकोप दर्शनही घडते.

भारतीय स्वातंत्र्यावर आजवर बरीच पुस्तके लिहिली गेली. अनेक पुस्तकांत फाळणीवर थोडेफार लिहिण्यातही आले; पण पूर्णपणे फाळणीवर लिहून आलेल्या काही दर्जेदार पुस्तकांत याचा समावेश होतो. भारताच्या फाळणीविषयी समजून घेण्याच्या दृष्टीने 'उर्वशी बुटालिया' यांच्या 'द अदर साइड ऑफ सायलेन्स' पुस्तकाचे महत्त्व अनन्यसाधारण आहे. उर्वशी बुटालिया यांनी फाळणीच्या ऐतिहासिक सत्याचा मागोवा घेत असताना फाळणीची पार्श्वभूमी, धर्माधर्मांत व जाती-जमातींत वाढत चाललेली उच्चनिचतेची प्रबळ भावना व यांतूनच दुखावलेली मने कशी त्या प्रक्षोभाला कारणीभूत ठरली याचे सविस्तर विवरण केले आहे. तसेच लेखिकेची विचारधारा मुळात स्त्रीवादी असल्याकारणाने स्त्री-भावना, स्त्रियांची परिस्थिती, त्यांवर झालेले अत्याचार व त्यांच्या पुनर्वसनासाठी कार्य करत असलेल्या दुसऱ्या स्त्रिया यांची सांगोपांग चर्चा केली आहे.

या पुस्तकात फाळणीकाळचे काही प्रसंग नोंदवले आहेत. काही लोकांच्या लेखिकेने स्वतः मुलाखती घेऊन त्यांचे अनुभव व त्यांवर येऊ घातलेला प्रसंग या पुस्तकात मांडले आहेत. "धर्म बदलू नये म्हणून व धर्माचे पावित्र्य टिकून रहावे" यासाठी घरातील १७ जणांना जिवंत मारणारा 'मंगलसिंग' व त्याचा भाऊ आपल्याला भेटतो. तर दुसरीकडे घरातील २६ लोकांना मारणारे व त्यांच्या भाषेत त्या सर्व लोकांना "वीरमरण" देणारे बहादुरसिंगचे वडिल भेटतात. त्याच कारणासाठी 'थोआ खालसा' या खेड्यात ९० स्त्रिया विहिरीत उडी मारून जीव देतात. सुडाच्या भावनेने प्रेरित होऊन दुसऱ्या लोकांची अमानुष हत्या करणारे लोकही येथेच भेटतात आणि त्याच फाळणीत आपल्या पतीची झालेली हत्या विसरून

फाळणीग्रस्त लोकांचे पुनर्वसन करणाऱ्या 'अनिस किडवाई' सुद्धा भेटतात.



अनिस किडवाई

फाळणीच्या अत्याचारातून 'झैनाब' नावाच्या एका मुस्लिम स्त्री ला वाचवून तिच्याशी विवाह करणारा 'बुटसिंग' सारखा माणूसही भेटतो. तसेच फाळणीत उद्ध्वस्त झालेल्या स्त्रिया, लहान मूलं यांना सावरणाऱ्या काही महिला कार्यकर्त्या व त्यांचे विविध अनुभवही भेटतात. या पुस्तकात आपल्याला एका बाजूला कुरतेने क्रोधित झालेली हिंसक माणसे दिसतात तर त्याच ठिकाणी प्रेमाने, आपुलकीने एकमेकांना आधार देणारी सहृदय माणसेही दिसतात.

फाळणीचा अभ्यास करत असताना, स्त्रियांचा इतिहास, स्त्रियांचे भोग, त्यांच्यावर झालेले अन्याय, त्यांची पिडा यांची सविस्तर माहिती मिळवण्यासाठी लेखिका फाळणी काळातल्या स्त्रियांचे पुनर्वसन करणाऱ्या कार्यकर्त्या 'कमलाबेन पटेल' यांची मुलाखत घेते. त्यात त्या म्हणतात 'त्या वेळी मी जे बघितलं होतं त्यावर विश्वासच बसत नव्हता. माणसं अशी वागू शकतात यावर विश्वास ठेवणं फार कठिण जात होतं. असं वाटत होतं की जणू राक्षसच या पृथ्वीतलावर जमा झालेत. असा भास होत राहिला की, राक्षसांनी शंकराचे रूप धारण केलंय आणि ते तांडव नृत्य करत आहेत. विध्वंस आणि मृत्यूचं तांडव नृत्य. जणू प्रत्येक स्त्री पुरुषामध्ये हे भूत संचारलं होतं. सगळीकडे मृत्यू आणि विध्वंस. मी अशा कित्येक विकृत गोष्टी पाहिल्या'. मुस्लिम स्त्रियांचे व लोकांचे पुनर्वसन कार्य करणाऱ्या 'अनिस किडवाई' ह्या आपला अनुभव सांगताना म्हणतात, 'या अनेक मुलींपैकी काही वेळा एखादी मुलगी मारली जायची अथवा जखमी तरी केली जायची. 'एखादी देखणी' मुलगी असेल तर आळीपाळीनं लोक तिचा उपभोग घ्यायचे'. अशा कित्येक हृदय हेलावून टाकणाऱ्या घटना या पुस्तकात दिल्या गेल्या आहेत.

सदर पुस्तकाच्या प्रारंभापासून शेवटापर्यंत आपल्याला मानवीय भावनांचे वेगवेगळे पदर पाहायला मिळतात. काही धर्माच्या नावाखाली माणसांचे बळी घेतात तर कोणी त्याच धर्मात

मानवता मिसळून लोकांच्या कल्याणासाठी झटताना दिसतात. या साऱ्या मानवीय भावनांचे चित्रण लेखिकेने केले आहे. फाळणीच्या निमित्ताने लिहिलेल्या या ग्रंथात फाळणीची पार्श्वभूमी, फाळणीच्या काळात धर्माला प्राप्त झालेले अतिरेकी महत्त्व, क्षुद्र पातळीवर पोहोचलेला माणूस, स्त्रियांवर झालेले अनन्वित अत्याचार, दलितांची खालावलेली स्थिती व फाळणीची झळ पोहोचलेल्या लोकांचे केलेले संघर्षमय पुनर्वसन या साऱ्यांचा इतिहास वाचकाला विस्तृतपणे स्पष्ट होत जातो.

फाळणी काळच्या इतिहासावर आधारित या पुस्तकात लेखिकेने सामान्य जन-माणसांना महत्त्व दिले आहे. त्या जनसामान्यांचा इतिहास जिवंत केला आहे. या पुस्तकात कोणत्याही राजकारण्यांना, मोठ्या नेत्याला अकारण महत्त्व दिलेले नाही. हा जनसामान्यांचा इतिहास आहे. ज्या माणसांनी फाळणीची दाहकता, क्रूरता खरोखरच जाणवली अनुभवली त्या सर्व लोकांना यात बोलते केले आहे.

ज्या स्त्रियांना पळवून नेण्यात आले, ज्यांवर अत्याचार झाले अशांचे पुनर्वसन सरकार तर्फे काही वर्षे करण्यात आले. या पुनर्वसन कार्यात भाग घेतलेल्या काही महिला कार्यकर्त्यांचा उल्लेख ही यामध्ये करण्यात आला आहे. पळवून नेण्यात आलेल्या महिलांची सुटका कशी करण्यात आली ? त्या स्त्रियांचे पुनर्वसन कसे केले गेले ? उपजिविकेसाठी त्यांना कोणती साधने उपलब्ध करून दिली ? या स्त्रियांना कोणी स्विकारले का ? त्या काळात सरकारची धोरणे काय होती ? अशा वेगवेगळ्या प्रश्नांची उत्तरे या पुस्तकाद्वारे लेखिकेने शोधली आहेत.

काही ठिकाणी 'हिंदू स्वतःला उच्च व मुस्लिम लोकांना नीच समजत असत आणि घरातल्या प्राण्यापेक्षाही तुच्छतेची वागणूक मुस्लिम लोकांना दिली जात असे'. असे 'बहादुरसिंग' त्याच्या मुलाखतीमध्ये सांगतो. या असल्या वागणुकीमुळे लोकांची मने ही आपापसात कटू झाली होती. हे वास्तव फार भयानक होते. तेव्हा पाकिस्तान निर्माण होण्यासाठी व फाळणी काळची प्रक्षोभकता, हिंसाचार, अत्याचार, लुटालुट निर्माण होण्यासाठी अनेक कारणांपैकी हे सुद्धा एक कारण आहे. मानव समाजाची आत्यंतिक गरजू म्हणून आपले अस्तित्व टिकवून असलेल्या 'धर्म' या संकल्पनेभोवती गुंफलेली समतेची, मानव कल्याणाची मूलतत्त्वे आणि त्यांचा संकोच होऊन धर्माच्याच नावाने केला जाणारा भेदभाव, होणारा मनुष्यसंहार यांचे धागेदोरे आणि त्यातली गुंतागुंत हे पुस्तक उलगडून दाखवते.

थोडक्यात काय तर फाळणी झाली आणि या फाळणीत जो प्रक्षोभ झाला, हिंसाचार झाला, पंढ्याहत्तर हजार स्त्रियांना पळवून नेण्यात आले, त्यांच्यावर बलात्कार करण्यात आले, असंख्य स्त्रिया अत्याचाराच्या बळी ठरल्या, घरंदारं उद्ध्वस्त झाली, माणसांची ताटातूट झाली, घरंदारं, संपत्तीची वाताहत झाली. काही काळात हा रक्तपात थांबला, लोकं स्थिरावली. पण त्यांच्या अंतराच्या गाभाऱ्यात खोल कुठेतरी त्या फाळणीच्या आठवणी अजूनही घरे करून आहेत. "आधुनिक काळात धर्माचे महत्त्व कमी होत जाईल" असा अनेक बुद्धीवाद्यांचा समज मागील काही घटनांनी चुकीचा ठरवला आहे. फाळणी नंतरच्या काळात धर्माच्या नावाखाली अनेक दंगली झालेल्या दिसतात. तसेच अतिरेकी धर्मप्रेमांमुळे दहशतवादाचे वाढते प्रमाण व लोकांमध्ये वाढती असुरक्षितता गंभीर रूप धारण करत आहे.

आज या भारतासारख्या देशात आधुनिक तंत्रज्ञानाच्या सहाय्याने होणारा धर्माचा प्रचार-प्रसार, मध्यमवर्गीय तसेच उच्चशिक्षित समूहांमध्ये वाढणारे धर्माचे व बाबाबुवांचे प्रस्थ आणि विवेकवादी विचारांना येणारे अपयश हे आपण रोज अनुभवत आहोत. धर्माच्या नावाखाली सहिष्णुता, असहिष्णुता, राष्ट्रवाद, राष्ट्रप्रेम ठरवले जात आहेत. 'धर्म टिकून रहावा' आणि 'धर्माचे पावित्र्य टिकावे' म्हणून 'मंगलसिंग' आणि त्याच्या भावांनी मिळून घरातील एकूण १७ स्त्री-पुरुषांना मारले. 'बहादुरसिंग'च्या वडिलांनीही घरातील २६ लोकांची हत्या केली. पण माणसाच्या जीवापेक्षा या लोकांना धर्म महत्त्वाचा वाटू लागतो. तेव्हा त्या धर्माने अथवा मानवी भावनेने गंभीर स्वरूप धारण केलेले असते. माणसापेक्षा 'धर्म' महत्त्वाचा कसा असू शकेल? हा प्रश्न लोकांना पडणे गरजेचे असते. जेव्हा लोकांना माणसापेक्षा धर्म महत्त्वाचा वाटू लागतो तेव्हा त्या धर्माचे अतिरेकी स्वरूपात रूपांतर होते. माणुसकी विसरली जाते. त्यामुळे या पुस्तकात मांडलेल्या घटनांपासून, इतिहासापासून शिकून "माणसाने माणूस म्हणून जगण्याचा प्रयत्न करून पहावा" हे महत्त्वाचे ठरेल.

अखेरीस फाळणीचा मुद्दा असा आहे की, जो संदर्भ म्हणून आपल्याला उपयोगी पडेल. पुन्हा अशी धार्मिक कलहाची, जातीय उद्रेकाची परिस्थिती निर्माण झाली, तर समजायचं, की इथं हिंसाचार, भीषण मृत्यू हे सर्व अपेक्षित आहे. तेव्हा आपण या गोष्टी लक्षात घेऊ व लगेच सावध होऊ. शेवटी कोणत्याही धर्माच्या, जातीच्या पलीकडे जाऊन जाती विरहित, धर्म-विरहित, विशुद्ध मैत्रीने जगणे मानवतेचे ठरेल व तेच मानवतेला साजेसे असेल !

स्त्रीजन्मा तुझी कहाणी

श्रुती विवेकानंद जोशी, एम. ए. प्रथम वर्ष

‘मुलगी म्हणजे परक्याचं धन’ अशी वाक्ये सर्रास आपल्या कानी पडतात. मुलगी जन्माला आली म्हणजे एक ना एक दिवस ती आपले घर सोडून परक्याच्या घरी जाणार हे जणू तिच्या नशिवातच लिहिलेलं असतं. आजपर्यंत कोणतीही मुलगी या नियमाला अपवाद ठरलेली नाही. मुलगी म्हणून जितक्या मुली या पृथ्वीतलावर जन्माला आल्या त्यांपैकी कोणीही ‘कन्यादानासारख्या’ श्रेष्ठ पुण्यापासून आपल्या आईवडिलांना वंचित ठेवले नसावे हे मात्र नक्की.

सोळा संस्कारांपैकी ‘लग्न’ हा एक महत्त्वाचा संस्कार मानला जातो. लग्न ही गोष्ट आयुष्याला कलाटणी देणारी एक महत्त्वाची गोष्ट समजली जाते. थोडक्यात काय तर तुमच्या आमच्या भाषेत सांगायचं झालं तर दहावी, बारावीनंतर आयुष्यात येणारा ‘टर्निंग पॉइंट’ म्हणजेच लग्न. बदल हा निसर्गाचा नियम आहे. प्रत्येक माणूस आपल्या सवयी, विचार काळानुसार बदलत असतो. लग्न, लग्नाच्या पद्धती, लग्नासाठी योग्य वय, जोडीदार या सर्वांच्या पद्धती नक्कीच काळानुसार बदलत गेल्या. परंतु लग्न या संस्काराला आजपर्यंत कोणीच शह देऊ शकले नाही.

अगदी सुरुवातीच्या काळात डोकावले तर लग्न म्हणजे एक सोहळा समजला जायचा. आज ज्या पद्धतीने मुलगी दहावी पास झाल्यानंतर तिच्या घरच्यांना तिच्या करिअरचे वेध लागतात अगदी तेवढीच नव्हे किंबहुना त्यापेक्षा जास्त ओढ, काळजी, चिंता मुलीच्या घरच्यांना असायची. मुलगी सासरी रुळेल की नाही, तिचा जोडीदार योग्य असेल की नाही यांसारख्या नानाविध शंकांनी माय बापांच्या डोळ्याला डोळा लागणे अगदी कठीण होऊन जायचे. त्याकाळी आजच्या सारखे जीवनसाथी डॉट कॉम, मॅरेज व्यूरो, वधू वर सूचक मंडळ यांसारखे पर्याय उपलब्ध नव्हते. उपलब्ध नव्हते म्हणण्यापेक्षा गरजेचे नव्हते असे म्हणणे जास्त रास्त ठरेल. आपल्या मुलीच्या काळजीने मुलीचे मामेभाऊ, आतेभाऊ थोडक्यात काय तर नात्यातल्या नात्यात लग्न करण्याची पद्धत होती.

त्याकाळचे लग्न म्हणजे दिवाळीचा दुसरा भागच असायचा. दारामध्ये ऊसाच्या खांबापासून मांडव घातला जायचा. सगळीकडे हळदीचा वास, हळदीच्या कुटण्याचा आवाज, चौक न्हाणं यांसारख्या सर्व पारंपारिक गोष्टींना ऊत असायचा. लग्नाच्या दिवशी तर जिलेबी, भजी यांसारख्या जेवणाची मेजवानीच असायची. तीन चार दिवस मस्त मजेत जायचे. पण जेव्हा मुलीची पाठवणी करायची वेळ यायची तेव्हा मात्र सर्वांच्या आनंदावर काहीशा प्रमाणात विरजण पडायचे. अगदी प्रत्येकाच्या मनाची द्विधा अवस्था व्हायची. थोडक्यात ‘एका डोळ्यात आसू आणि दुसऱ्या डोळ्यात हसू’ यासारखी. परक्याचे धन झालेली म्हणजे

अगदी १३ १४ वर्षांची कळी त्या नवख्या कुटुंबात हळूहळू उमलायला लागायची व ती पूर्णपणे संसारात रुळून त्या कळीचे फूल झाले की आई वडील कृतकृत्य व्हायचे.

जसजसा काळ उलटत गेला तसतसा लग्न या विषयाला हळूहळू फाटे फुटत गेले. त्याचे स्वरूप व पद्धत बदलत गेली. व त्यामुळे साध्यासुध्या व संस्कारमय विवाहाची जागा दिखाऊ लग्नपद्धतीने घेतली. याला पहिला पडलेला फाटा म्हणजे मुलीचे व मुलाचे लग्नाचे वय अनुक्रमे १८ व २१ वर्ष करण्यात आले. एवढेच काय लव मॅरेज, कोर्ट मॅरेज, शादी डॉट कॉम, जीवनसाथी डॉट कॉम, वधू वर सूचक मंडळ यासारख्या अनेक संस्था आपल्या आयुष्याची घडी बसवण्यात आपल्याला मदत करायला लागल्या. हवा तो, हवा तसा, हवा त्या जातीचा जोडीदार निवडण्याचे स्वातंत्र्य आपल्या घरातल्या मंडळींनी आपल्याला दिले. प्रेमविवाह, आंतरजातीय विवाह या गोष्टी आजही समाजाला मान्य नसतात. पण पहिल्या परिस्थितीपेक्षा आजची विवाह पद्धती नक्कीच श्रेष्ठ आहे. कमीत कमी मुलीच्या व मुलाच्या मनाचा विचार होतो हा बदल म्हणजे क्रांतीच म्हणावी लागेल. लग्नासाठी धर्म, जात, रंग, वंश या गोष्टी महत्त्वाच्या नसतात. तर जोडीदाराच्या स्वरूपात मिळणारा माणूस जास्त महत्त्वाचा असतो. हे समाजाला पटायला आणखी काही काळ नक्कीच जावा लागेल. ‘पी हळद नी हो गोरी’ असा परिणाम आपल्याला नक्कीच दिसणार नाही.

आधुनिक काळात विवाहाचे स्वरूप पूर्णपणे पालटून गेलेले दिसते. प्रथमतः मुलगी व मुलगा एकमेकांना पसंत करतात. एकमेकांच्या स्वभाव वैशिष्ट्ये जाणून घेतात, शिक्षणाची दारे खुली व व्यापक झाल्याने अपेक्षा वाढल्या, चांगला पगार, नोकरी, घर, संपत्ती हे सर्व जोडीदार निवडण्याचे महत्त्वाचे निकष ठरायला लागलेले आहेत. माणूस, माणुसकी, चांगुलपणा, प्रेम यासारख्या भावनांचे गाठोडेच बांधले गेले. उच्चवर्णीयांनी विशेषतः हाय क्लास लोकांनी तर पत्रिका जुळवणे, अरेंज्ड मॅरेज, पारंपरिक पद्धती यांना वेडगळच ठरवले. आता लग्न म्हणजे एखादा हॉल बुक करणे, केटरर्सना जेवणाची ऑर्डर देणे, रुखवतासाठी रेडीमेड पदार्थ मागवणे, मेहंदीसाठी – बांगड्यांसाठी पैसा वारेमाप खर्च करणे, सजावटीसाठी व वेलकम ड्रिंकसाठी पैसा फुकट वाया घालवणे, वरातीत तर डॉलबी, म्युझिक सिस्टीम यासाठी पाण्यासारखा पैसा ओतणे, एवढे कमी होते म्हणून की काय आमच्या गुरुजींना मंगलाष्टकातील एक चरण म्हणण्या इतकेच अधिकार दिले. बाकीच्या सर्व मंगलाष्टके स्पेशल गायकांकडून म्हणून घेतल्या जातात. पत्रिका छापण्यात एवढा खर्च होतो की त्या मध्ये एका गरिबाचे पोट भरले जाईल. आपल्याकडून काही हा गरिबांना दानधर्म व्हायचं नाही. कमीत कमी येणाऱ्या पाहुणे मंडळींनी तरी

पैसे वाचवून दानधर्म करावा म्हणूनच की काय पत्रिकेच्या शेवटी 'कृपया आहेर आणू नये' ही गोष्ट नमूद करण्यास कोणीही विसरत नाही. काही जणांनी तर लग्नातील जेवणाला रिसेप्शनचा नवीन लूक दिला. लग्न या संस्काराचे अनेक पैलू आहेत, अनेक पद्धती आहेत, पण भावना मात्र त्या व तशाच आहेत. काळ कितीही पुढे गेला तरी कन्यादान, मुहूर्त, साखरपुडा यांसारख्या अनेक महत्वाच्या गोष्टी आजही लग्न समारंभात आठवणीने पार पाडल्या जातात. काही व्यक्तींच्या मनातली विवाह ही संकल्पना बदलली देखील असेल कदाचित पण अनेकजण मात्र आजही जुने ते सोने म्हणत पारंपरिक विवाह पद्धती, प्रथा, अरेंज्ड मॅरेज, जात, धर्म, पत्रिका या सर्व गोष्टींना महत्त्व देताना दिसतात. "जाऊ दे सोनारानेच कान टोचावे. त्यांनादेखील लवकर चांगला सोनार मिळो एवढीच आपण प्रार्थना करायची दुसरे काय !"

मध्यंतरी 'लिव्ह इन रिलेशनशिप' चा नवीनच ट्रेंड आला होता. याविषयी सर्वजणच जागरूक व जास्तच माहितीगार आहेत. हा ट्रेंड म्हणजे अगदी दोन रुपयांच्या बॉलपेनसारखा. आवडला तर पूर्ण वापर नाहीतर अर्ध्यात सोडून द्या. 'देर से ही सही' असं म्हणत का होईना सर्वांनी (काही जणांनी) या पद्धतीचे तोटे समजून घेऊन विरोध केला. पण 'व्यक्ती तितक्या प्रवृत्ती' म्हणून या संकल्पनेवर भाष्य करण्याचे अनेकांनी टाळले.

ते काहीही असो लग्नाच्या पद्धती बदलल्या, त्याचे स्वरूप बदलले, परंपरा बदलल्या एवढेच काय अगदी विवाह स्थळ बदलले. पण आई वडील मात्र तेच आहेत, त्यांचे हृदय, त्यांची काळजी, बदलता काळसुद्धा बदलू शकला नाही. मुलीची पाठवणी करताना रडणारा बाप, 'बाळा सगळ्यांची आणि स्वतःची पण काळजी घे' असं म्हणणारी आई मात्र या काळात पण तशीच राहिली.



॥ उमलणाऱ्या कळीचे केव्हा
फूल झाले कळलेच नाही
बोवड्या बोलात बोलणारी
मुलगी कधी मोठी झाली
कळलेच नाही
सारे काही क्षणार्धात
बदलले परंतु
सासरी जाणाऱ्या मुलीकडे
मात्र आजही आई वडील
काळजीनेच पाहत राहिले ।

शब्द ...

लिहू तर काय लिहू
आता संपले सगळेच शब्द
बोलायला काही नाही... आता उमगत
नाही शब्द...
खूप काही बोलायला तरी सुरुवात करायला
सापडत नाही शब्द...
खरंच, तुम्हा आम्हाला बोलायला
लागतात का शब्द...
चुकली मांडणी शब्दांची तर बदलला
लगेचच अर्थ...
लिहू तर काय लिहू
आता संपलेच सगळे शब्द
भावना व्यक्त करायला हवेच का शब्द...
प्रश्नाच्या उत्तराला हवेच का शब्द.....
खरंच आपली गरज आहे
का शब्द?
काही वाटले सांगावेसे तर, डोळ्यातच
ठेवावे शब्द...
वाटले कोणास वाचावेसे...वाचावे
डोळ्यातले शब्द...
लिहू तर काय लिहू
आता संपले सगळेच शब्द !

धनश्री पाटील, T.Y.BBA

आता तरी

आता तरी त्या अंधाऱ्या वाटेवरती
प्रकाशाची किरणे दिसू दे रे देवा.
आता तरी कोरड्या नदीत
खळखळ पाणी वाहू दे रे देवा.
आता तरी त्या वाळलेल्या वृक्षाला
पालवी फुटू दे रे देवा.
आता तरी काळ्याचे नव्हे तर
फुलांची वाट दिसू दे रे देवा.
आता तरी त्या ओसाड शेतात
पीक येवू दे रे देवा.
आता तरी त्या बाहूंना
आराम दे रे देवा.
आता तरी त्या थकलेल्या चेहऱ्यावर
हास्य उमटू दे रे देवा.
प्रतिमा विलास कदम, 11th G (Commerce)

रमाबाई रानडे

रोजा बाळासाहेब चावरे (एम. ए. प्रथम वर्ष)

रमाबाई रानडे म्हणजे पूर्वाश्रमीच्या यमुना कुर्लेकर. रमाबाईचा जन्म २५ जानेवारी इ. स. १८६२ रोजी सातारा जिल्ह्यातील एका लहानशा खेड्यात झाला. त्यांना माहेरी असताना अक्षर ओळख झाली नव्हती. वयाच्या ११व्या वर्षी त्यांचा महादेव गोविंद रानडे यांच्याशी विवाह झाला. स्त्री शिक्षण हे त्या काळात सामाजिकदृष्ट्या वर्ज्य होते. महादेव रानडे हे सामाजिक चळवळ व नवविचारी मतवादाचे खंदे पुरस्कर्ते होते. घरच्यांच्या व समाजाच्या विरोधाला झुगारून रानडे यांनी आपल्या पत्नीस शिक्षित केले. रमाबाईंनी उत्तम गृहिणी धर्मासोबतच आपल्या पतीच्या सामाजिक कार्यात मदत करून मोलाची भर घातली. तसेच पूर्वी पतीचा उल्लेख त्या 'स्वतः' असे करीत. स्त्रियांना समान अधिकारांसह शिक्षणाचा अधिकारही समाजाने नाकारला होता. लग्नानंतर रमाबाईंच्या शिक्षणाची सुरुवात झाली. त्यांनी हिंदी, मराठी, बंगाली या भाषांमध्ये विशेष प्राविण्य संपादन केले.



महादेवरावांचा रमाबाईंना केवळ पुस्तकी विद्या शिकविण्याचा हेतू तर होताच तसेच व्यवहारातील विविध अनुभवांचा लाभ ही करून द्यायचा होता. कामाच्या निमित्ताने जाणे होई तेव्हा तेथील स्त्रियांशी परिचय करवून देत. त्यांनी रमाबाईंना भाषणे देण्याचे शिक्षण दिले. त्या काळाचा विचार करता रानडेयांसारख्या पतीने रमाबाईंना ते बुद्धीला वाव द्यावा. पत्नीचा विकास साधावा ही बाब आवर्जून नोंद करण्याजोगीच! संसारात जमाखर्च ठेवणे, घरखर्च थोडक्यात व व्यवस्थितपणे कर्जाशिवाय चालवित असत.

स्त्रियांचे मत शिक्षणाकडे वळावे यासाठी न्यायमूर्तींच्या मदतीने रमाबाई प्रयत्न करताना दिसतात. कोणताही प्रसंग हुबेहूब आपल्या डोळ्यांसमोर उभा करण्याची ताकद रमाबाई यांच्या निवेदन शैलीत आहे. त्याचबरोबर वैयक्तिक, कौटुंबिक, सामाजिक, धार्मिक, राजकीय, आरोग्य, पारमार्थिक, सांस्कृतिक अशा विविध प्रकारच्या कितीतरी प्रसंगावर रमाबाई यांनी लिहिले आहे, याचे प्रत्यंतर येते. एकंदरीत रमाबाई जसे जीवन जगल्या तसेच त्यांनी तन्मयतेने कथन केलेले आहे.

न्यायमूर्ती रानडे यांच्या कार्यापासून प्रेरित होऊन रमाबाई स्त्री समाज सुधारणा चळवळीमध्ये सामील झाल्या. त्यांनी आपले आयुष्य समाज चळवळीसाठी वाहून घेतले. स्त्रियांच्या समस्येला वाचा फोडण्यासाठी व व्यासपीठ निर्माण करण्यासाठी 'हिंदू लेडीज

सोशल क्लब' ची मुंबईमध्ये स्थापना केली. पुण्यातील 'सेवा सदन' या संस्थेचे अध्यक्षपद त्यांनी भूषविले. पुण्यातील 'हुजूरपागा' ही शाळा मुलींसाठी त्यांनी स्थापन केली. त्यांनी आपला जीवनपट 'आमच्या आयुष्यातील काही आठवणी' या पुस्तकात शब्दबद्ध केलेला आहे. जशाप्रकारे न्यायमूर्ती रानडे यांच्या व्यक्तिमत्त्वाबरोबरच रमाबाई यांच्या देखील व्यक्तिमत्त्वाचे अनेक पैलू दिसून येतात. म्हणूनच या दाम्पत्याचे हे अशाप्रकारचे सहजीवन पहिले असता त्यांच्या दोघांच्याही असामान्य अशा व्यक्तिमत्त्वाची कल्पना येते.

बोलायचे राहून गेले...

"बोलायचे होते काही, बोलायचे राहून गेले.
बोलता नाही आले.. भावना शब्दात मांडता नाही आल्या...
विषय खूप होते समोर पण विषय जोडता नाही आले...
डोळ्यातल्या प्रश्नांना उत्तर नाही देता आले...
बोलायचे होते काही ते राहूनच गेले..."
सांगायचे होते... त्याला तिला किती माझे 'प्रेम' होते...
तिला हि सांगायचे होते... स्वप्न तिच्या मनातले...
पण ते राहूनच गेले...
अश्रू लपवून जरा हसायचे होते...
निघताना घरातून 'आईला' थॅक्यू म्हणायचे होते...
मिठी मारायची होती 'बाबांना' पण...
बाळ आता मोठे झाले होते...
बोलायचे होते काही ते राहूनच गेले...
रागात निघून जाताना कोणी, त्याला थांबवायचं होत...
नातं असताना सुद्धा पाठ फिरवणं सोपप झालं होत...
वेळ होती समोर ... पण मन हे पळत होतं...
अपेक्षा नव्हत्या कोणाकडून...
पण वेडं हृदय हे ऐकत नव्हतं...
बोलायचे होते काही पण राहूनच गेले...
सांगायचे होते बरेच काही पण...
आतल्या आतच ते गुरफटते...
प्रत्येकाला नाही समजत...
काहींसमोरच ते व्यक्त होते...
म्हणून वाटते...
श्वास आहे सुरु... तोवर सगळे बोलून घ्यावे...
माहित नाही.. पुन्हा कोण किती आपले असेल...
मनातले सगळे शब्द, कोणाच्या तरी पदरात द्यावे...
बोलून कोणाला हसवावे, कोणाला रडवावे..
पण खरे... व्यक्त होऊन मोकळे व्हावे...
बोलायचे काही राहून न जावे... कधी तरी सगळे बोलून
टाकावे... बोलायचे काही राहून न जावे...

धनश्री पाटील, T.Y.BBA.

मागील पिढी आणि आजची पिढी

श्रावणी भाऊसाहेब डोंगरे, F.Y.B.Sc. 'B'

सध्याची पिढी आणि मागील पिढी यामध्ये भरपूर तफावत जाणवत आहे. जणू काही मी माझ्या आयुष्यावर हा लेख लिहित आहे. पण ती तफावत जी आहे ती सर्वांच्याच बाबतीत दिसून येईल. तसेच, सर्वांच्या जुन्या अठवणी जाग्या होतील. मी लहानपणापासून सरुवात करत कसे बदल घडत गेले ते मांडण्याचा प्रयत्न करते.



मी लहान असताना सकाळ संध्याकाळ घरात माझ्याकडून श्लोक, स्तोत्रे म्हणून घेतली जात होती. उदा. सदा सर्वदा , शुभं करोती इ. पण आजकाल आईवडील दोघेही नोकरी करतात ते सकाळ घरातून निघाले कि पुन्हा रात्री घरी परततात. त्यामुळे मुलांकडून हे म्हणून घ्यायला वेळच मिळत नसे. तसेच, आजकालच्या मुलांना घरी त्यांचे आईवडील नको असतात. त्यामुळे आजी आजोबांचे सुख मिळत नाही. त्याचा त्या लहान कोवळ्या मनावर देखील परिणाम होतो. कोणी नातेवाईक घरी आले किंवा आपण एखाद्या नातेवाईकाकडे गेलो की मला ते कविता, गाणी, नाच वगैरे येतं का विचारायचे. त्यावेळी बडबडगीते म्हणत होतो, नाच रे मोरा सारख्या गाण्यावर नाच करून दाखवत होते, पण आताची परिस्थिती बदलली आहे. मुले गाणी म्हण किंवा नाच कर असे म्हणाल्यावर मुन्नी आणि शीला, “शांताबाई” यासारख्या गाण्याशिवाय त्यांना काही आठवतच नाही आणि आपण किती सुंदर नाच केला किंवा गाणे झाले म्हणून टाळ्या वाजवतो. थोडे मोठे झाल्यावर अंगणांत किंवा मैदानात जे खेळ खेळायचो त्यातील काही खेळ जे परदेशातून भारतात आले ते आताची मुले कॉम्प्युटर, लॅपटॉप, आयपॅड वर खेळतात. लपंडाव, सूरपारंब्या, तळ्यात मळ्यात, लगोरी, गोठ्या, विष अमृत हे खेळ तसेच मैदानी खेळाबरोबरचे बैठे खेळ उदा. सापशिडी, ल्युडो, कच कवड्या आणि बरेच बारीकसारीक खेळ हे आजच्या मुलांना माहीत देखील नाहीत. तसेच, या प्रकारच्या खेळांतून व्यायामही चांगला होत असे आणि बुद्धी ही तल्लख होत होती. त्याकाळी व्यायाम हा प्रकार वेगळाच होता जोर, उठावशा, दोरीउड्या, सूर्यनमस्कार, धावणे

असे व्यायाम आम्ही करत होतो आता व्यायाम म्हटले की डम्बेल्स घ्यायचे, मशिन वर धावायचे, वजन उचलायचे म्हाणजे झाले.

त्यावेळी आहारही खूप पौष्टिक असत होते. आजकालची मुले फक्त जाहिरात बघून नूडल्स खा कुठे पास्ता खा, अजून बाकीचे फास्टफूड खा असे करतात, त्यावेळी नाष्टा केला तो शरीराला चांगला असा असे. उदा. पोहे, शिरा, उपमा आणि शक्यतो रोज नसायचे रोज सकाळी सकाळी गरमागरम चपाती/पोळी त्यावर मस्त तूप लावून खायचो. तसेच रोजचा आहार पण सकस असाच होता. त्यामुळे शरीराला लागणारी जीवनसत्वे व्यवस्थितरित्या मिळत होती. याचा परिणाम म्हणजे शरीराचीही वाढ खूप चांगली होत असे. नाहीतर आजचे ते कॉम्प्लान असं काही नव्हतं आणि भूक लागण्यासाठी टॉनिक घ्यावं लागत नसे. त्यावेळचं टॉनिक म्हणजे खेळणे.



त्यावेळची शिक्षणपद्धती पण वेगळी होती. रोज सकाळी प्रार्थना, मग शाळेचे तास. शाळा सुटताना परत शेवटी प्रार्थना, वंदे मातरम असायचे यातून देशप्रेम, राष्ट्रभक्ती, मोठ्या लोकांचं आदर यासारख्या गोष्टी शिकायला मिळायच्या यातील बऱ्याच गोष्टी सध्या लुप्त झाल्या आहेत.

त्यावेळेचे शिक्षकही खूप काटेकोर होते, मला शिक्षकाने मारले ती तक्रार घेवून जर घरी गेलो तर घरात दोन रट्टे मिळायचे. मग का मारले विचारले जायचे. आजकाल मुलेच शिक्षकांना मारतात. वर त्यांचे पालक त्यांना काहीच बोलत नाहीत. मुलांवर अभ्यासाचा प्रचंड ताण टाकला जातो, त्यात पालकांचा दोष नाही आहे ही यंत्रणा चुकीच्या पद्धतीने काम करत आहे. जर या स्पर्धेच्या युगात मुलांना टिकायचे असेल तर हे सर्व करावे लागते, मुलांच्या दस्ताराचे ओझे हे त्यांच्या वाजनापेक्षा जास्त आहे. पण हे सर्व करताना त्यांचे बालपण कुठेतरी हरवले जात आहे हे कुणाच्या लक्षात येत नाही. पालकांना आपण घेतलेले कष्ट फक्त दिसतात पण जे बालपण आपण जगलो (कठीण प्रसंग नाही तर खेळणे, वागडणे इ.) ते आजकाल च्या मुलांना जगायला मिळत की नाही हे कोण पहात नाही. आज शाळा सुरु झाली की सकाळी क्लास नंतर शाळा, मग संध्याकाळी क्लास, ज्या दिवशी सुट्टी असेल तेंव्हा सुट्टीचे क्लास वेगळे, काय चाललाय हे ? बरं शाळेला सुट्टी पडेल तेंव्हा ते

क्लास वेगळे, वेगळी वेगळी शिबिरे यात मुलांना बालपण काय असते हेच कळत नाही. त्यांना बालपण म्हणजे एक शिक्षा वाटू लागली आहे. एवढे करून जेवढे व्यवहार ज्ञान त्यांना मिळाले पाहिजे ते मिळतच नाही आहे. उदा. माझ्या आजीची पिढी अजूनही आकडेमोड करताना तोंडी करते आणि मी कागद पेन किंवा कॅल्क्युलेटरचा वापर करते, पण ही आकडेमोडी आजकालची मुळे करू शकतील की नाही ती शंका आहे. आपण आज पाहतो लहान लहान मुलांकडे महागडे मोबाईल, गाड्या दिसून येतात.

मी असं नाही म्हणत आजची पिढी बिघडत चालली आहे, पण ती व्यवस्थित सुरळित राहण्यासाठी मुलांना चांगल्या संस्काराची गरज आहे. जर लहानपणीच चांगले संस्कार मुलांवर झाले तर ते त्यांना भविष्यात ही उपयोगी पडतात.



आजोबा

छकुली छकुली आवाजाने मी जागे झाले
रात्री स्वप्नात माझ्या आजोबा आले
आजोबा आजोबा म्हणत धावत गेले
उचलून घेऊन बोलले मला
आठवण आली तुझी म्हणून आलो भेटायला तुला
डोळे माझे पाण्याने डबडबले
मी प्रश्न केला त्यांना
का सोडून गेलात आम्हा
ये म्हणाला ब्रम्हा
म्हणून सोडून गेलो तुम्हा
खूप जीव लावणारे
मला कोणी रागवले तर त्यांना रागवणारे
खाऊसाठी गुपचूप पैसे देणारे
छान छान गोष्टी सांगणारे
आजोबा हवे आहेत मला
का रे देवा तू घेऊन गेला त्यांना
त्यांच्या शिवाय करमत नाही मला
आजोबा माझे गोड देवा
तुलाही त्यांचा सहवास हवा
म्हणून घेऊन गेला तू त्यांना
माझ्यासाठी त्यांना घेऊन ये पुन्हा
बोल ना रे देवा....
घेऊन येशील का रे त्यांना
घेऊन येशील का रे त्यांना....

रेशमा मांडगे, S.Y.B.Sc. Animation

वनराई

वसुंधरेशी नाते अपुले | घट्ट जपुनी ठेवू
वृक्षांशी या मैत्री करोनी | आनंदात राहू
त्रास नको हा प्रदूषणाचा | ध्यास घेवू मानवतेचा
प्रदूषणावर मात करोनी | देशसेवेला वाहू
झाडे, वेली, फुलपाखरे | बेहोशीने गातील गाणे
गाण्यामध्ये त्यांच्या आपण | तल्लीन होऊनी जावू
झाडे लावू, झाडे जगवू | सुटेल पर्जन्याचे कोडे
दुष्काळाच्या महाकोड्यातून | अलगद सुटूनी जावू
तुम होईल निसर्ग सारा | कड्याकड्यातून झुळझुळ धारा
थंडगार या वाऱ्यामध्ये | धुंद होऊनी जावू
धरित्री आहे आपुली आई | आशेने आपुल्याला पाही
नैराश्यातून तिजला आपण | बाहेर काढू पाहू
रक्षण करूया पर्यावरणाचे | पांग फेडूया भू मातेचे
सुजलाम् – सुफलाम् करूनी तिजला |
आशीर्वच हा घेवू |

रोजा बाळासाहेब चावरे, एम.ए. प्रथम वर्ग

माझी कविता

शब्द शब्द जुळुनी आले
लेखणीची साद आली
नकळत माझ्या भावनांची
क्षणात आता कविता झाली
कविता म्हणजे
नसते फक्त अक्षरांची गर्दी
तिचा शब्द शब्द सांगत असतो,
त्याच्या जन्माची कहाणी
सुप्त विचार सांभाळताना धीर देते.
शब्दांची ऐसी 'माया'
म्हणजे कविता.
मीही अशी अप्पलपोटी
हसताना क्वचितच
आठवते मी तिला
पण दुःखाची अखंड सोबती
असते माझी कविता,
शेवटच्या ओळीतून
गोंजारताना मला.
पुनरुत्थानाची लाखो वचने,
देत असते, माझी कविता.
शर्मिला, M.Sc. – II (Zoology)

आम्हाला बदललेला देश बघायचा आहे

सौरभ भरत खांडगे, एम.ए. मराठी, भाग - १

या देशात स्वातंत्र्य आहे. हे एक नेहमीचे नियमित वाक्य. शुभ्र कपड्यातील गुंडांनी ग्रासलेला हा देश खऱ्या स्वातंत्र्यासाठी अजूनही विव्हाळ आहे. लहानपणी वाटायचं जग बदलणं अगदी सोपं आहे. १५ ऑगस्ट आणि २६ जानेवारीला शाळेत मिरवणूक निघायची. आम्ही त्यात उत्साहाने सामील व्हायचो. उरामध्ये प्रचंड स्वाभिमान घेऊन आम्ही अगदी बेंबीच्या देठापासून 'भारत माता की जय' चे नारे द्यायचो. लहानपणी बऱ्याच खोड्याही करायचो पण मनामध्ये नेहमी एक भीती असायची की चूक केली तर शिक्षा होईल. शिक्षकांची, पालकांची, वडीलधाऱ्यांची एक भीती असायची. म्हणून वाटायचं खऱ्या देशात देखील असच सरकारला आणि न्यायला भीत असतील लोक पण जसा जसा मोठा होत गेलो तस तसा खरा भारत दिसायला लागला. इथे लोक घाबरतात पण न्यायला नाही तर जे लोक आपल्या खिशामध्ये न्याय घेवून फिरतात त्यांना. दिवसा ढवळ्या या देशात लुटणाऱ्या लुटारूंना आणि या भारत मातेच्या अवूचे धिंडवडे उडवणाऱ्या सैतानांना. एखाद प्रमाणपत्र काढायचं झालं तर तिथं दोन दिवस लागायचे तिथे सात दिवस लागतात कारण काय तर कामाचा बोझा आणि पन्नास रुपये पुढे केले की दोन दिवसाचे काम दोन तासात होते. कारण काय तर पैसा. पुढे कळायला लागलं की हा पैसा या लोकांच्या घरात जात नाही तर दारूच्या दुकानात जातो. यांच्या मुलांच्या डोनेशन मध्ये जातो. पन्नास पन्नास रुपयांचा भ्रष्टाचार वेगळंच, पण शंभर शंभर करोड रुपयांचा घोटाळाही होतो हे लक्षात यायला लागलं. आजवर विकासाच्या नावावर करोडो रुपयांची अक्षरशः राख रांगोळी झाली पण विकासाचा लवलेशही अजून पर्यंत आमच्या करोडो भारतीयांच्या नशिवाला आला नाही.



निवडणुका म्हणजे आमच्या देशात राष्ट्रीय सणासारख्या झाल्या आहेत. दर वर्षांनी, महिन्यांनी कसली ना कसली निवडणूक घ्यायची, लोकांच्या कल्याणाची भाषा करायची, आम्हीही ती ऐकायची आणि टाळ्या वाजवून पुन्हा ये रे माझ्या मागल्या ! तेच ते चालू आहे. एक नाही दोन नाही गेले साठ वर्षे आम्ही तेच ते बघतो आहोत. स्वतंत्र भारतात तीन पिढ्या बदलल्या पण आमच्या समस्या त्याच होत्या, आणि आजही त्याच आहेत. किंबहुना त्या समस्यांनी आज महाकाय स्वरूप घेतलं आहे. देश तर स्वतंत्र झाला पण आम्ही अजूनही गुलाम राहिलो. स्वतःच्या स्वातंत्र्यासाठी स्वतःलाच लढावे लागते पण लढणे म्हणजे काय हेच आम्ही आता विसरलो आहोत.

रोज अन्याय होतो म्हणून प्रत्येक जण रडत असतो. झोपडीत राहणाऱ्या सामान्य माणसापासून ते मोठ मोठ्या उद्योगपतीपर्यंत सर्वच्या सर्व फक्त रडत असतात, पण कधीही कुणी पेटून उठत नाही. कधी कुणाची हाक ऐकू आलीच तर आम्ही साधा प्रतिसाद सुद्धा देत नाही. स्वतंत्र भारतात आम्ही गुलाम आहोत. अज्ञानाचे, भ्रष्टाचाराचे, निरक्षरतेचे, धर्माधर्मतेचे आणि जाती पातीने ग्रासलेल्या घाणेरड्या मानसिकतेचे.

सुवर्ण अक्षरात लिहून ठेवावा इतका तेजस्वी आणि ओजस्वी इतिहास असणारे आम्ही निष्प्राण, निस्तेज कसे? कधी ऐकू येणार ती आरोळी भारत माता की म्हटलं की कधी संबंध देश एका आवाजात "जय" चा उद्घोष करणार? प्रत्येकाने आपल्या लहानपणी पाहिलेले भारत देशाचे स्वप्न कधी साकार होणार? ज्या महापुरुषांची भाषणे आम्ही द्यायचो, ऐकायचो कधी त्यांच्या विचारांना आम्ही आमच्या जीवनात खरं स्थान देणार आहोत? कित्येक स्वातंत्र्य दिन आले, येतील आणि जातील देखील, पण जो बदल सहज घडेल त्या बदलाची सुरुवात कधी होणार?

निराशेने ग्रासलेल्या या देशाला खऱ्या स्वातंत्र्याचा सूर्य दाखवायचा असेल तर एक सशक्त आणि ठणठणीत विचारांचं हे काम साध्य करू शकतो. नशीब येणारी नवी पिढी तरी विचार करणारी आहे. जी पिढी स्वतःच्या उत्कर्षासाठी दिवस रात्र मेहनत घेवून आपलं आयुष्य उभारतात त्या पिढीकडून हा देश घडण्याची देखील अपेक्षा आहे. आपल्या सारखे विचार करणारे खूप आहेत, बदलाची आणि खऱ्या स्वातंत्र्याची भूक लागलेले खूपजण आहेत, म्हणूनच एक नवीन आशा निर्माण झाली आहे. आम्हाला 'बदललेला देश बघायचा आहे'. जे स्वप्न आम्ही लहानपणी बघायचो त्या निर्मळ स्वप्नासाठी आपल्या प्रत्येकाला आपला सहभाग द्यावाच लागेल. कुठलाही देश एका रात्री मध्ये उभा राहत नाही. त्यासाठी वर्षानुवर्षे कठोर मेहनत घ्यावी लागते. आमच्या नशिबाने आमच्या महापुरुषांनी ही मेहनत घेतली आहे. गरज आहे फक्त त्यांच्या विचारांची कास धरून नवे पाऊल उचलण्याची. हे नवे पाऊल उचलण्याची प्रतिज्ञा आपण सर्वांनी हातामध्ये हात घेऊन देश पुढे घेऊन जाऊया. जमेल तेथे, जमेल त्या प्रकारे, जमेल ते प्रयत्न राष्ट्रनिर्मितीसाठी करूयात. प्रयत्न छोटा आहे किंवा मोठा आहे हे न बघता प्रयत्न करण्यावर भर देवूयात. रोजच तो प्रयत्न होत असेल तर ठीक आणि नसेल होत तर आठवण येईल तेव्हा तो करत राहू या. जमेल त्या प्रमाणात राष्ट्रकार्यात सहभाग घेऊ या. कमीत कमी अन्यायाची जाणीव अज्ञानात खितपत पडलेल्या समाजाला तर कुणीही करून देऊ शकतो.

महाराष्ट्रात छत्रपती शिवाजी महाराजांच्या विचारांनी पेरलेली आपली मस्तके नापीक होऊच शकत नाहीत. कारण त्याला वेळो वेळी फुले, टिळक, आंबेडकर यांनी विचारांचं खत पाणी घातलंय. तेव्हा स्वाभिमानाने निधड्या छातीने पसरलेल्या अंधकाराला दूर करण्यासाठी हवे ते प्रयत्न करू या.

तळमळ असणाऱ्या प्रत्येक भारतीय युवकाला आवाहन आहे. हे पाऊल तुम्हीच उचलण्याची गरज आहे. अथक प्रयत्नाने आणि हजारोंचे रक्त सांडून आपला देश स्वतंत्र झाला. त्या सर्वांच्या सांडलेल्या रक्ताची शपथ आहे. तुम्हाला जमेल तिथे, जमेल त्या प्रकारे एक खरा स्वतंत्र भारत निर्माण करण्यासाठी तुम्ही हे पाऊल उचला.

तुम्हाला साथ आहे आमची, आणि आमच्या सारख्या हजारोंची !

‘ती’ च्या नजरेतली समता

वास्तवाची झळ नाही
सहन होत आता....
खूप उंच – उडण्याची
स्वप्न पाहिली
पण त्यांची उंची
मात्र नजरेतच उरून राहिली
‘ती’ला उडण्यासाठी
पंख्यात बळ नाही देत जग
तीच्या ‘उडण्याची’
भीती मात्र सगळ्यांना....
सहज वाटणारी समता
आज हवेत विरली होती,
जाती भेदाची मुळं आज
खोलवर रुतली होती
गप्पांच्या मैफिलीत आपण
नेहमी भेदभाव विसरून जातो,
मात्र वेळ येताच निर्णयाची
तेव्हा चार पावलं मागे घेतो
चूक नसते काही त्या भावड्या जीवांची
जे प्रवाहात वाहून जाणं नाकारतात
मात्र भीती त्यांनाही
परंपरा अन् जातीच्या दोरखंडाची
अहम् पणाच्या नकोत चार भिंती
आणि प्रतिष्ठेचा तो उंबरठा
त्याऐवजी मोकळ्या माळरानीच
रुजेल ना.... समता
नेहा शंकर बवले, S.Y.B.A.

आयुष्य

कोणा एका वेलीवरती
आज मी फुलले आहे.
वाऱ्यावरती झुलत आहे, डोलत आहे, आनंदाने खेळत आहे.
मनात माझ्या प्रश्न पडला
सूर्य उगवताच माझा जन्म अन मावळताच मी संपणार...
किती बरे त्या मनुष्याचे
किती वर्ष जगतो

किती काही निसर्गातून घेतो.
आणि तरीही याचना करत असतो.
करत असतो, करतच असतो.

प्रतिमा कदम , 11th - G

मृगनक्षत्र

मृगनक्षत्र येताच ढग झाले सावळे
पावसाच्या सरी जणू वाटू
लागल्या मोत्यांच्या सरी
नभात सप्त रंग उमटले
न्याहाळून मन माझे मोरपिस झाले
आज मन न्हाऊन निघाले
ओलीचिंब मी झाले
सावळ्या नभात हा सूर्यदेव आज कुठे न दिसे
मृगनक्षत्र येताच ढग झाले सावळे
वर्षा बनुनी आज बरसले.
प्रतिमा कदम , 11th - G

ताई

कसं सांगु तुला
करमत नाही मला
नको काढू आठवण
सांगितलं होतं मनाला
मन माझं वेडं
ऐकणार नव्हतं कोणाला ||१||
आठवण येताच तुझी
मन वेडपिसं होई
तुला बघताच
तुझ्याकडे धाव घेई
कितीही समजावलं त्याला
पण ते ऐकतच नाही मला....
का गं दिलं
एवढं प्रेम मला
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देणार नाही आता त्रास काही
तुच आहे गं
माझ्यासाठी माझी ताई
रेश्मा मांडगे, S.Y.B.Sc. Animation

थोर समाजसेवक बाबा आमटे यांनी सुरु केलेल्या 'श्रमसंस्कार छावणी' – अभियानाचे सुवर्णमहोत्सवी वर्ष...

श्रमसंस्कार छावणी – सोमनाथ

महेश कोव्हाळे , S.Y. B.Sc. 'B'

हा माझा पहिलाच कॅम्प. यापुर्वी मी कधीही कॅम्पला इतक्या दिवस घराबाहेर राहीलो नाही आणि तेसुद्धा एका अनोळखी ठिकाणी. अनोळखी लोकांसोबत. मी माझ्या मित्र-मैत्रिणींमुळे व सरांमुळे या कॅम्पमध्ये सहभागी झालो. इथे येण्यापुर्वी कॅम्पबद्दल खूप ऐकले होते. आता फक्त अनुभवणे बाकी होते. रोजच्या दैनंदिनीची सवय असलेले आम्ही सर्व काही विसरून प्रवासाचा आनंद लुटत, गप्पा गोष्टी, गाणी, नवे मित्र असे करत एका नव्या दुनियेकडे वाटचाल करू लागलो आणि अखेर तो दिवस आला १५ मे २०१७. रोज गजर लावून वेळेत न उठणारे आम्ही पहाटे ४ वाजता शिट्याच्या आवाजाने उठू लागलो.



आपल्या महाविद्यालयातील महेश कोव्हाळे, इंदरीस सदिकोट व अपूर्वा लेले – हे द्वितीय वर्ष विज्ञान शाखेचे विद्यार्थी श्रमसंस्कार छावणीत सहभागी झाले होते.

उठी, उठी गोपाळा, त्याचबरोबर बाबांची माणूस माझे नाव, थांबला न सूर्य कधी थांबली न धारा अशी अर्थपूर्ण गीते आमच्या दिवसाचे स्वागत करत असत झेंडावंदन-प्रार्थना आणि रवी सरांच्या कणखर आवाजात 'जोडो भारत', नौजवान आओ रे' या गीतांनी आमच्या दिवसाची सुरुवात होत असे. पहिल्याच दिवशी 'ए' दु 'आय' गटात विभागणी करण्यात आली. यामुळे नव्या मैत्रीची सुरुवात झाली. श्रमदानाला मागे-पुढे होत सगळ्यांशीच घट्ट मैत्री झाली. रोजचा कार्यक्रम ठरलेला होता. पहाटे ४ वाजता उठून

५.३० ते ९ श्रमदान व नाश्ता होऊन जाई. नंतर विश्रांती, जेवण व ठरलेल्या दिवशी डॉ. विकास आमटे यांच्याशी मुक्तसंवाद, दुपारचे सत्र, जलपान, जेवण, रात्रीचे सत्र असा कार्यक्रम असे.



श्रमदानामध्ये तलाव, खोलीकर, वनीकरण, बंधारे, रस्ता, ग्रामस्वच्छता अशी कामे होती. तर विविध सत्रांमध्ये कौस्तुभ आमटे, 'सर्च' चे डॉ. योगेश कलकोंडे, मुक्तांगणाच्या पुणतांबेकर यांसारख्यांनी सामाजिक भान, संस्था, स्व ते सर्व याबद्दल मुद्देसुद मते मांडली, संवाद साधला. डॉ. योगेश यांनी आपल्या आयुष्याबद्दलची कल्पना, कसं जगायला आवडेल. त्यासाठी निश्चित गोल्स ठरवून गोल-सेंट्रिक बनण्यास मार्गदर्शन केले. स्व ते सर्व या त्यांच्या स्वतःच्या प्रवासातुन सुंदर सिस्टेमॅटिक विवेचन केले. आपल्या गोल पासून डिस्ट्रॅक्ट करणारे प्रसंग आलेच तर नीड-ग्रीड अॅनालिसीस करून निर्णय घेण्याचा मंत्रही दिला. निर्णय प्रक्रियेत प्रायोरायटायझेशन चे महत्व सांगितले. अमेरिकेतून गडचिरोलीत स्वेच्छेने आलेल्या या डॉक्टर जोडप्याला येथे जगण्याचे पुरेपुर समाधान मिळत आहे.

अनिल अवचट व त्यांच्या पत्निचा 'मुक्तांगण' प्रवास त्यांची मुलगी डॉ. मुक्ता यांनी सांगितला. शिवाय व्यसनमुक्तीवर माहिती व अनुभव सांगितले. बाबांबरोबर त्यांच्या प्रेरणेतुन आजही विलक्षण जोमाने कार्यरत असलेले डॉ. अरुण देशपांडे, यांचे बोलणेही ऐकता आलं. त्यांची वॉटर-बॅक, कृषितील अन्य प्रयोग, विविध साधनांची

निर्मिती ऐकायला मिळाली. त्यांच्या भारदस्त आवाजातील 'वतन के रखवाले..हम एक है' हे गाणं कायम स्मरणात राहिल.

सोमनाथ प्रकल्प सांभाळणारे श्री. अरूण कदम, त्यांच्या पत्नी व तेथील अन्य साथी, आनंदवन हॉस्पिटल सांभाळणारे डॉ. पोळ. या सर्वांची कामाबद्दलची निष्ठा, पेशंट म्हणून आलेले व आता एक विश्वस्त असलेले व बाबांच्या प्रवासाचे साक्षीदार श्री. कडु गुरूजींनीही आपले अनुभव सांगितले. श्री. ताजने गुरूजी यांनीही अपंगत्वाने खचून न जाता बाबांच्या प्रेमाने आपण आयुष्यात कसे आत्मसन्मानाने उभे राहिलो हे स्वाभिमानाने सांगितले. सुवर्णमहोत्सवी वर्षीच्या या छावणीचे वैशिष्ट्य म्हणजे बाबांबरोबर काम केलेले, कुष्ठरोगी, अपंग म्हणून आलेले पण नंतर बाबांच्या कार्यासाठी झटलेले अशा कार्यकर्त्यांनी व्यक्त केलेले मनोगत, ती जिद्द, तळमळ अनुभवायला, ऐकायला मिळाले. भारत जोडोमधील कार्यकर्ते बाबांवर पी.एच.डी. करणारे डॉ. रोडे सर यांना ऐकता आले. या संपूर्ण प्रवासात डॉ. विकास आमटे मोजकेच बोलणारे, प्रसिद्धीपासून दूर जलसंधारण, व्यवस्थापन, कृषि, उद्योग, कला अशा सर्वच क्षेत्रात संचार असलेले ऑल-राऊंडर व्यक्तीमत्त्व वाटले. पुढची म्हणजे आनंदवनाची तिसरी पिढीसुद्धा विविध कामांशी, मुलभूत प्रश्नांना हाताळणारी, बाबांचे काम पुढे नेणारी अशी आहे.



छावणीच्या शेवटी बालतरुची पालखी, मनोगते, डॉ. विकास भाऊंचा संदेश आणि परतीचा प्रवास. सर्वांना हा परतीचा प्रवास दुःखदायी झालेला. इथे मिळालेले ज्ञान, श्रमाचे महत्त्व, पाचशे पेक्षा अधिक मिळालेले मित्र, संवाद, चर्चा यामुळे समाधान लाभलेले. बाबांच्या कुठल्याही प्रकल्पाचे हे वैशिष्ट्य. जसे सोमनाथ तसेच आनंदवन. बाबांच्या शब्दात सांगायचं झाल तर... The joy here was more infectious. सुवर्णमहोत्सवी वर्षी बाबांचं स्लोगन ...Confidence must rest in your wrist तर मनावर बिंबविल गेल. इथे पत्रकार, डॉक्टर, शिक्षक, विद्यार्थी जे समविचाराने भारावलेले होते. त्यांना भेटता आलं. अशा समविचारी लोकांसाठी 'एकत्रित जीवन व जेवण' हि बाबांची संकल्पना जगता आली.

आपण स्वतःपलीकडे जाऊन, समाजाच्या हिताचे काहीतरी करावे या निश्चयानेच आम्ही परत आलो.

ध्येय कधी सोडू नको

काम असेल कठीण, नसतं कधी अशक्य
पूर्णविराम नंतर तर, संपतं रे पूर्ण वाक्य,
नशिबाला शिव्या देत, प्रयत्नांना डावलू नको
काटेरी मार्ग असेल, पण ध्येय कधी सोडू नको.
जागोजागी मिळतील वैरी, नको त्यांची भ्रांत
लक्ष्य ध्यानात ठेव, तू चाल रे निवांत.
शत्रूंना घाबरत, मान कुठेही झुकवू नको
काटेरी मार्ग असेल, पण ध्येय कधी सोडू नको.
मन आहे चंचल, नाही ते स्थिर
हरत आहेस तरी, तू नको रे सोडू धीर,
अपयशाला बघून, लक्ष कधी विसरू नको
काटेरी मार्ग असेल, पण ध्येय कधी सोडू नको.
जन्माला आहे तर जग, नको पाहू मागे
आयुष्याच्या शेवटी बाकी फक्त आठवणींचे धागे
माणूस म्हणून जगला, पण सामान्य माणूस म्हणून मरू नको,
काटेरी मार्ग असेल, पण ध्येय कधी सोडू नको !
सौरभ भरत खांडगे, एम. ए. मराठी, भाग - १

मन माझे

मन माझे वेडे आहे रे खूप
तू नसतो तेव्हा तुला भेटायचे म्हणते
आणि तू दिसताच घाबरते रे खूप
मन माझे वेडे आहे रे खूप
तू नसतो तेव्हा तुझ्या सहवासात राहवे वाटते
पण तुझ्या सहवासात आल्यावर बावरते
मन माझे वेडे आहे रे खूप
समोर बसून तुझ्या खूप बोलावे वाटते
पण तू समोर असल्यास अबोल राहते
मन माझे वेडे आहे रे खूप
तुझ्या सोबतच्या क्षणांच्या
आठवणीत नेहमी गुंतलेले असते
मन माझे वेडे आहे रे खूप
तुझी आठवण खूप सतावते
म्हणून भुरकून उडून तुझ्याकडे येते
सनजत नाही तुला की
मन माझे तुझ्याचसाठी झुरते
तुझ्याचसाठी झुरते....
रेश्मा मांडगे, S.Y. B.Sc. Animation

BEYOND CURRICULUM



Biotechnology - Lecture by Dr. Dipali Rakesh Mohan



Biotechnology - PTA Meet



Biotechnology - Visit of T.Y.B.Sc. Biotech to Four Seasons Winery



Botany - Briefing of DBT-Star Practical



Botany - Estimation of Chlorophyll using spectrophotometer



Botany - Quality Enhancement workshop - DBT Star College Scheme



Botany - T.Y.B.Sc performing practical - DBT-Star College Scheme



Botany - White Button Mushroom cultivation workshop

BEYOND CURRICULUM



Commerce - CA Gita Patwardhan delivering a lecture



Interdisciplinary National seminar on Tree plantation on wastelands for sustainable livelihood: Dr Ram Kharche , Vice-Chairman , MCAEAR, Pune, Dr Hema Yadav, Director, NIAM, Jaipur and Dr Mandar Akkalkotkar, Ex-Member, Planning Commission ,New Delhi.



Commerce Association - Principal attending Competitions



Commerce Association - Inaugural speech by Dr. A. P. Kulkarni



Commerce Association - Creative Ad Making Competition



Commerce Association - Prize Distribution



Vyapar Mela - Visit by Prof. J. G. Ekbote and Principal



Dr. Babasaheb Ambedkar Jayanti

BEYOND CURRICULUM



Computer Science - Felicitation of Dr. Girish Rindani



Electronic Science - NAAC Peer Team visit



Computer Science - Kartikeya Rindani Programming Contest



Electronic Science - Academic Audit Visit
Dr. Beena Inamdar and Prof. A.G. Gosavi



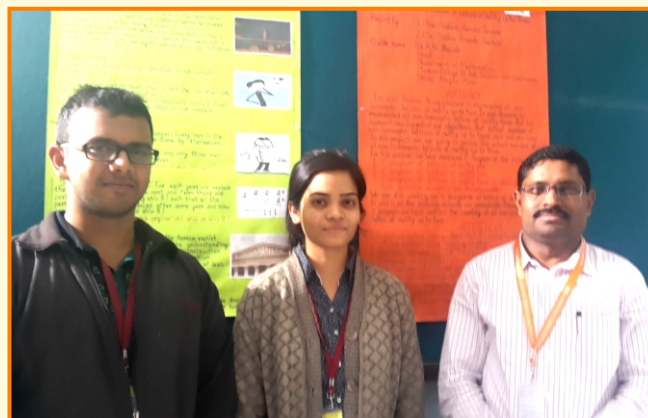
Computer Science - Poster Competition



Electronic Science - Alumni meet of B.Sc. 1990 Batch



Mathematics - Principal at National Mathematics Day



Mathematics - Poster Competitions

BEYOND CURRICULUM



German - Christmas Celebration



Hindi - Wall Magazine



German Day



Hindi - Aaj ke Shabda



Talk entitled 'Lets Bridge IT' with Ms. Iris Becker, Karlsruhe, Germany



Hindi Divas



Marathi Din - Guest Speaker: Dr. Gauriya Homarajan (Mauritius)



Principal Felicitates Shrimati Sushma Shinde (Dubai)

BEYOND CURRICULUM



Chemistry - M.Sc. Analytical visit at MAARC LABS, Pvt Ltd, Pune



Chemistry - Visit to B.Tatya Saheb Kore Warana Sahakari Sakhar Karkhana, Kolhapur



Physics - Dr. Ranjeev Mishra Senior Scientist IUCAA during Prize distribution Ceremony



Zoology - DBT Star - Microscopy Workshop - Dr.B.B.Nath, SPPU



Physics - Poster Competition



Zoology - Vermitechnology Course- Field Trip to INORA, Daravali



Physics - Project exhibition and Competition



Zoology - T.Y.B.Sc. Educational Tour- Anandwan

BEYOND CURRICULUM



NAAC Peer Team - Library Visit



Economics - National Conference



Library - Maulana Kalam Jayanti



**Principal Dr. R. S. Zunjarrao felicitating Dr. Jyoti Chandaramani
Director Symbiosis School of Economics, Pune**



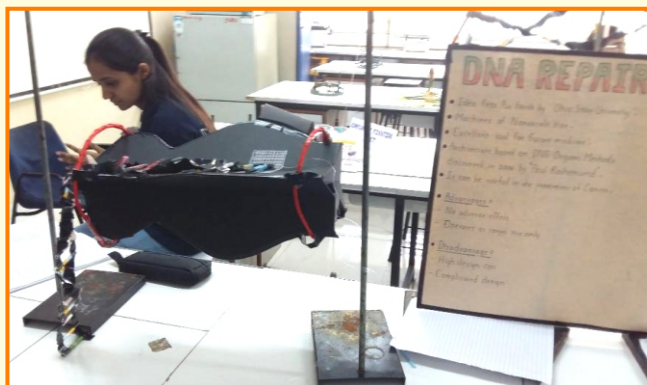
Library - Indian Constitution Day



**Principal Dr. R.S. Zunjarrao felicitating the Chief Guest
Mr. Jaisingh Chavhan, an Eminent Entrepreneur from Nagpur**



**Microbiology
Departmental Microcosm activity: Debate competition**



**Microbiology
Departmental Microcosm activity: Model competition**

BEYOND CURRICULUM



Psychology - Counseling Camp



Psychology – Deutsch students' seminar



Psychology - Mental Health day



Best Student (UG) - Sahu Rushav J., T. Y. B.A. (B)

Academic Annual Prize Distribution: Felicitation by Dr. Ashok Chavan, COE, SPPU



**ISR - Collection and Donation Campaign :
Principal Dr. Zunjarrao, Dr. Puranik, Mrs. Shikarpur,
Vice Principal Dr. Kulkarni and colleagues**



ISR - Mega Rally for Organ Donation: Active participants of M.Sc. Zoology



**ISR - Financial help :
Welcoming Mr. Sunil Mehta, Managing Director,
Emcure Pharmaceuticals Ltd.,Bhosari, Pune**



Best Student (PG) - Navale Sujeet C. - M.C.A Part II

BEYOND CURRICULUM



Fashion Technology - Fashion Show



WCBS - Banking Exhibition



Fashion Technology - National Level Seminar



WCBS - Social Day Celebration



Fashion Technology - Industrial visit to Textile Park



WCBS - Republic Day Celebration



**Centre for Innovations in Teaching , Learning and Evaluation -
Inauguration of Cooperative Learning Workshop by Dr.Lalita Agashe
Introduction by Dr. Sushama Joag**



**Centre for Innovations in Teaching , Learning and Evaluation -
Workshop by Ekta Joshi**

जबाबदार माणूस

कु. शुभांगी म. शिंदे, F.Y.B.Sc. 'B'

मी घरी पोहचलो. साडे चार वाजले होते. हातपाय धुवून मी एका हॉटेलमध्ये गेलो. उन्हाची तीव्रता अजून कमी झाली नव्हती. वडापाव संपवून मी चहा घेतला. तेवढ्यात तिथे एक ५५-६० वर्षांची वृद्ध बाई आली.

डोक्यावरचं भलं मोठं जळणाचं ओझं तिने बाजुला टाकलं. कुठेतरी एखादा काळा केस, कपाळावरती मोठी कुंकवाची छटा, घामामुळे कुंकवाचा लाल रंग भुवईपर्यंत आलेला, धारदार नाक, तंबाखुच्या मशेरीनं काळवंडलेलं दात, सुरकुतलेले हात, तिन-चार जोड देऊन हातानेच शिवलेलं नववारी लुगडं आणि चोळी असा काहीसा तिचा वेश होता.

ती आत आली थरथरत्या हातांनी, उभ्याउभ्याच तिने दोन ग्लास रिचविले. आपली थैली खाली टेकवत तिने हॉटेलमधल्या पोरीला विचारले.



‘तुस्तंच कालवण मिळल का ग बाय ? माझ्याकडं भाकर हाय’.

त्या मुलीचा होकार मिळताच एका काळपट फडक्यातून त्या बाईनं शिळी भाकर काढली आणि दिलेल्या कालवणावर अधाशिपणानं खाऊ लागली.

मी विचार करायला लागलो. आपण पैसे द्यावे का ? तिला कुणीच नसेल का ? आणि असेल तर अशी वेळ का यावी तिच्यावर ?

माझं विचारमंथन सुरू होतं. इतक्यात तिची भाकरी संपण्याच्या आत ती हॉटेलवाली मुलगीच म्हणाली,

‘आजी मिसळपाव घ्या. पैसे नाही घेणार ! तुम्हाला मुलबाळ नाही का ?’

त्यावर आजी म्हणाल्या,

‘तसं नाय काय, पोरगा मोठा सायब हाय. परदेशाला इंजनेर हाय, पण त्याला येळच न्हाय !’

कानाखाली कोणीतरी जोराची चपराक मारावी आणि त्याचा आवाज मेंदूपर्यंत घुमावा तसे हे शब्द माझ्या कानावर पडले आणि विचारांच काहूर माजलं.

माणूस इतका बदलतो का ? ‘हे विश्वची माझे घर’ म्हणणारा माझ्या भारताचा माणूस स्वतःच्याच कुटुंबाला कसा बरे विसरू शकतो. आपलं संपुर्ण आयुष्य वाहून घेणाऱ्या या माउलीची त्याला क्षणभरही आठवण येत नसेल का ? आणि येत असेल तर ही जबाबदारी त्याने का झटकावी ? सगळंच अनुत्तरीत होतं. माझ्यातच मी डोकावून विचार करत होतो. इतक्यात माझ्या पाठीवर तोच थरथरता हात फिरला. मी वरती पाहीलं तर तिच बाई मला म्हणाली,

‘बाळा, इतका विचार नको करू, तुझ्या आईबापाला नीट जप म्हणजे झालं’.

मग तर मेल्याहुन मेल्यासारखं झालं. मी आता फक्त रडायचे बाकी होतो. कारण त्याक्षणी माझं संपूर्ण अंतरंग त्या माऊलीनं जणू वाचलं होतं. पण आम्हांला आमच्याच आईचं, वडिलांच थोडंसं दुःखसुद्धा कधीच जाणता येत नाही.

जीवनाच्या कसोटित एवढं शिक्षण घेऊनही आम्ही अगदीच अडाणी वाटतो यांच्यासमोर ! कुठं शिक्षण घेतलं असेल यांनी हे ?

सेटलमेंट, न्यू जॉब, इन्क्रिमेंट, प्रमोशनच्या घोळात आम्ही ही आमची माणसं कुठे हरवून बसतो, आम्हालाच कळत नाही.

डोकं जड झालं. मी उठलो आणि चालू लागलो याच विचारात. शेजारच्या शाळेत जिल्हा परिषद मास्तर मुलांना विचारत होते, ‘आपण काय शिकलो ?’

मी मनाशीच उत्तर दिलं ‘आयुष्यात इंजिनियर नाही होता आलं तरी चालेल पण चांगला, जबाबदार माणूस व्हायचं, हे शिकलो !’



एकविसाव्या शतकाचे शास्त्र : जैवमाहितीशास्त्र (Bioinformatics)

सायली घोडके, F.Y. B.Sc. (Blended)

कळीचं फूल होणं आणि अळीचं फुलपाखरू होणं निसर्ग चक्रातल्या दोन सौंदर्यपूर्ण घटना. वैज्ञानिक प्रगतीचे नवे मार्ग जसजसे अस्तित्वात आले तसतसे हा अभ्यास 'स्थूलाकडून' 'सूक्ष्माकडे' सुरू झाला त्यातूनच जैवमाहितीचे अतिप्रचंड भांडार खुले झाले. त्या 'महाभांडारचे' संकलन, व्यवस्थापन, विश्लेषण आणि प्रसारण करण्यासाठी निर्मिली गेली एक नवी विज्ञानशाखा--- जैवमाहितीशास्त्र (Bioinformatics).

आज एकविसाव्या शतकात जैवमाहितीचे स्वरूप नेमके आहे तरी कसे? जैववैविध्यप्रमाणेच वैविध्यपूर्ण ! कधी सजीवांच्या प्रकारांचे, नावांचे संकलन तर कधी त्यांच्या संपूर्ण जनुक आराखड्यांचे अनुक्रम सजीवांच्या जीवनप्रणालीचा अर्थ समजून घेणे. A, T, G, C या चार मुळाक्षरांतून निर्माण होतात असंख्य शब्द प्रथिन (Protein) आणि त्यांच्या क्रमवार रचनेतून निर्मिती होते ती जीवनाच्या अक्षर काव्याची जनुकांच्या या क्रमवार रचनेची भाषा समजून घेणे हे सर्वात मोठे काम आहे. सूक्ष्मातील सूक्ष्म जिवांपासून ते उत्क्रांतीच्या टोकावर असणाऱ्या मानवापर्यंत सुमारे ३५०० सजीवांच्या जनुक आराखड्यांची माहिती आज उपलब्ध आहे. या माहितीच्या प्रचंड साठ्यातून प्रश्नांची नेमकी उत्तरे शोधण्यासाठी जगभरातील शास्त्रज्ञांना मदत करते जैवमाहितीशास्त्र. माहितीचे संकलन केल्यावर ती संगणकाच्या सहाय्याने साठविण्यात येते त्या माहितीचे वर्गीकरण, विश्लेषण करून उपयुक्त ज्ञान मिळविले जाते. थोडक्यात काय, तर जैवमाहितीशास्त्र या शाखेत काम करण्यासाठी नुसते जीवशास्त्रीय ज्ञान पुरेसे नाही. तर व त्या अनुषंगाने येणाऱ्या संगणक जाळ्याचे ज्ञानही अत्यावश्यक आहे.



एकविसाव्या शतकातील महत्त्वपूर्ण शोधमोहीम मानवाच्या जनुक आराखड्यांची संपूर्ण सविस्तर नोंद ! हा आराखडा शोधताना, त्याचे माहितीसाठ्यात रूपांतर करताना शास्त्रज्ञांना वाटलं होत एकदा का हा शोध लागला तर प्रश्नांची उत्तरे सापडतील आणि त्यातून अनेक त्यांच्या पुढील संशोधनाचे मार्ग खुले झाले.

त्याचबरोबर या माहितीच्या महाजालात दडलेले सत्यही सामोरे आले.

जरी पेशीत संपूर्ण जनुक आराखडा अस्तित्वात असतो, तरीही त्यातील काहीच 'प्रथिनांची' निर्मिती होते. ही प्रथिने म्हणजेच अमायनो आम्लांच्या साखळ्या. प्रत्येकाचे रूप आगळे. अतिशय सुंदर लयबद्ध प्रत्येकाचे कार्य वेगळे.

या अभ्यासातून तयार होत आहेत चयापचय क्रियांचे जीवनरेणूंच्या प्रथिनांच्या परस्परसंबंधाचे नकाशे --- महाप्रचंड माहितीसाठी ! एक लाखभर प्रथिन आपल्या शरीरात अव्याहतपणे कार्य करतात जीवनाचे सुरेल गीत या असंख्य वादळांच्या सुरावटीतून त्यांच्या लयीतून एकत्र तरीही स्वतंत्र अस्तित्वातून आकार घेते. थोडक्यात काय तर जैव माहितीशास्त्राचा अभ्यास एका महापरिवर्तनाची नांदी आहे. पुढची काही दशके आहेत अतिशय मूलभूत, गुंतागुंतीच्या आणि उत्कंठावर्धक अभ्यासाची !

जीवनात खूप काही करण्याजोगं असतं

जीवनात खूप काही करण्याजोगं असतं

आपलं फक्त तिकडे लक्ष नसतं

संकटांना कधी कंटाळायचं नसतं

त्यांना सामोरे जायचं असतं

रागात कधी कोणाला बोलायचं नसतं

प्रेमाने जग जिंकायचं असतं

नाराज मुळीच व्हायचं नसतं

चैतन्य सदा फुलवायचं असतं

कुणी नावे ठेवली तरी थांबायचं नसतं

आपलं चांगलं काम करायचं असतं

अपयशाने कधी खचायचं नसतं

जिद्दीने बळ वाढवायचं असतं

लोकनिंदेला कधी घाबरायचं नसतं

आपलं सामर्थ्य दाखवायचं असतं

पाय ओढले म्हणून परतायचं नसतं

पुढे अन् पुढेच जायचं असतं

जीवनात खूप काही करण्याजोगं असतं

आपलं फक्त तिकडे लक्ष नसतं !

- शुभम रोकडे, F.Y.B.A.

डॉ. होमी जहांगीर भाभा - भारतीय आण्विक युगाचे जनक

जय गोरे, F.Y.B.Sc. 'B'

डॉ. होमी जहांगीर भाभा यांचा जन्म तसा मुंबईतलाच, ३० डिसेम्बर १९०९ चा. त्यांचे आजोबा हे म्हैसूरच्या राजघराण्याचे लेखपाल आणि वडील हे टाटांकडे कामाला होते . त्यांचे मूलभूत शिक्षण हे मुंबईतच झाले . जेथे कोठे जातील तेथे छाप पडतील असे त्यांचे व्यक्तिमत्व होते आणि बुद्धिमत्ताही असामान्य होती. ते फारच सखोल विचार करू शकत असत . त्यांच्या वडिलांनी हे जाणले असल्यामुळे त्यांना वेगवेगळ्या विषयांवरती बरीच पुस्तके वाचावयास आणून दिली. अशा सखोल आणि आवडतीच्या विषयातील वाचनामुळे त्यांची ग्रहणक्षमता प्रचंड होती . त्यांच्या वडिलांनी दिलेल्या आइनस्टाइन यांच्या थेअरी ऑफ रिलॅटिव्हिटी या पुस्तकाचा प्रभाव त्यांच्यावर पडला होता आणि म्हणूनच त्यांचा कल संशोधनाकडे होता .

वयाच्या १५ व्या वर्षी त्यांनी केंब्रिज विद्यापीठाची परीक्षा पास केली पण वयाने लहान असल्यामुळे वडिलांनी त्यांना तेथे जाऊ दिले नाही . पण वडिलांनी त्यांना एल्फिन्स्टन कॉलेज मुंबई येथे ऍडमिशन घेऊन दिली . होमी सरांचे पुढील शिक्षण रॉयल इन्स्टिट्यूट ऑफ सायन्स येथे झाले . तेथे एकदा होमी सरांनी क्रोम्पटॉन (अणुबॉम्ब चे जनक) यांचे भाषण ऐकले आणि त्यांचा निर्णय झाला की आपण सुद्धा आण्विक विज्ञान या शाखेतून पुढे जायचे .



वयाच्या १७ वर्षी त्यांना इंग्लंडला जायला परवानगी मिळाली . पण वडिलांच्या इच्छेनुसार त्यांनी इंजिनिरिंगचे शिक्षण घेतले आणि त्यांनी त्यांची ट्रायपास ५ विषयांमध्ये अतिशय उत्कृष्ट गुण मिळवून पास केली . अशा या घटनेमुळे जगातील विविध विद्यापीठांनी त्यांना आपली शिष्यवृत्ती देऊ केली . नंतर होमी भाभांनी आण्विक विज्ञान शिकण्यात रस घेतला आणि त्यांनी वयाच्या २५ व्या वर्षी म्हणजे १९३४ साली आपली डॉक्टरेट मिळवली .

१९३६ साली त्यांना थेअरी साठी सुप्रसिद्ध ऍडम्स अवॉर्ड मिळाले. इंग्लंड मध्ये त्यांना न भूतो न भविष्यती असा सन्मान मिळत होता. गणित, आण्विक विज्ञान यात सखोल संशोधन केल्यावर त्यांनी आपला मोर्चा वैश्विक प्रकाश किरणांवर वळवला . डॉ. हैटलेर आणि होमी भाभा असे दोघे मिळून त्याचा अभ्यास करू लागले . त्यांच्या थेअरी चे नाव होते भाभा हैटलेर थेअरी.

भारतात परतण्यापूर्वी ते सर्व जगात मान्यता पावलेले शास्त्रज्ञ होते. भारतात आल्यावर त्यांनी काही दिवस बंगलोर मध्ये पदार्थविज्ञान शिकवले. नंतर दुसऱ्या महायुद्धाच्या सुरवातीस त्यांच्या संशोधनास गती देण्यासाठी ब्रिटिश शासनाने त्यांना वैयक्तिक विमान आणि अत्याधुनिक अशी साधनसामग्री दिली की जेणेकरून सरांच्या संशोधनातून ब्रिटिशांना काहीतरी लाभ मिळेल. अशा वेळी त्यांनी वैश्विक प्रकाश किरणांवर अजून जोमाने पुणे आणि दिल्ली येथे काम चालू ठेवले . पण काही वर्षांनंतर जागतिक महायुद्ध संपले तेव्हा भाभांना दिलेल्या सर्व सुविधा त्यांनी काढून घेतल्या .

अशा कालावधीनंतर भाभांनी भारतीय शासन आणि टाटा यांना १९४५ साली एक संशोधन संस्था काढण्यास भाग पाडली आणि तिचे नाव होते "टाटा इन्स्टिट्यूट ऑफ फंडामेंटल रिसर्च". अशी ही आपल्या देशातील मुंबईत स्थापन झालेली सर्वात जुनी आणि पहिली संस्था होय . अशा या संस्थेचे पहिले डायरेक्टर होते स्वतः डॉ. होमी भाभा. तिची वाढ करण्याचे आणि तिला प्रगतीपथावर नेण्याचे सर्व काम सरांनी केले .

या काळात भाभांनी देशविदेशात अनेक भाषणं दिली. ते "युनेस्को" मध्ये सभासद म्हणून पण निवडून आले. १९४८ साली स्थापन" भारतीय आण्विक आयोगाचे "पहिले अध्यक्ष म्हणजे होमी भाभा होय. हे अध्यक्षपद म्हणजे सर्वात अवघड असे काम होते. उपकरणांची कमतरता, वेळ इत्यादी सर्व सांभाळून त्यांनी अवघड टप्पा पार केला. याच काळात त्यांनी मोठे असे ट्रॉम्बे हे आण्विक शहर वसवले. त्यांनी आपल्या काळात अप्सरा, झेलिना, सायरस असे तीन आण्विक रिऍक्टर्स कार्यरत केले . त्यांच्याच अध्यक्षतेखाली १८ मे १९७४ साली शांततापूर्ण कारणासाठी राजस्थान पोखरण येथे अणुबॉम्बची चाचणी घेण्यात आली . याच चाचणीचा पुढील टप्पा १९९८ मध्ये पार पडला की पोखरण येथे हैड्रोजन फ्युजन टेस्ट घेण्यात आली. १९५५ सालच्या जीनेवा कॉन्फरन्स मध्ये भाभा सर अध्यक्ष होते.

डॉ. भाभांनी नेहमीच इलेक्ट्रॉनिक्स, स्पेस सायन्स, खगोलशास्त्र, सूक्ष्मजीवशास्त्र या क्षेत्रातील संशोधनाला प्रोत्साहन दिले. उटी येथील रेडिओ टेलिस्कोप हा त्यांच्याच प्रोत्साहनाचा भाग आहे. डॉ. भाभा हे अतिशय उत्कृष्ट असे चित्रकार सुद्धा होते. त्यांची चित्रकारिता आपल्याला ब्रिटिश आर्ट गॅलरीत पाहायला

मिळते . असा हा सतत कार्यरत शास्त्रज्ञ की जो संपूर्ण जगात आपल्या कामासाठी जाणला जात होता तो २४ जानेवारी १९६६ साली युरोपमधील आल्प्स पर्वतरांगेत एका दुर्दैवी विमान अपघातात मृत्युमुखी पडला आणि संपूर्ण भारतातील जनता हळहळली . आपल्या ५७ वर्षांच्या आयुष्यात ते एकटे राहिले. शेवटपर्यंत त्यांनी लग्न केलेले नव्हते. ते नेहमी म्हणायचे की माझे लग्न हे 'नाविन्यपूर्णते'शी झालेले आहे आणि तेही त्यांनी आयुष्यभर आपल्या अलौकिक कार्याने दाखवून दिले.



मूल्य संस्कृती आणि आम्ही तरुण....

नेहा शंकर बवले, S.Y.B.A.

महात्मा फुलेंनी ईश्वराला फार सुंदर उपमा दिली आहे निर्मिक. त्या निर्मिकानेच हे सुंदर जग निर्माण केलं आहे आणि या जगात माणूस! पण माणसाला त्याने शरीर दिलं, बुद्धी दिली आणि इतर कोणाकडेही नसणारी, मौल्यवान गोष्ट म्हणजे मन! हे फक्त ईश्वराने माणसालाच दिलं.

माणूस हुशार, बुद्धिमान आणि संवेदनशील आहे परंतु तेवढाच व्यावहारिक आणि चतुर देखील. रोजच्या जगण्यात खूप साऱ्या प्रवृत्तीची माणसं भेटत असतात. मला खूप सारे प्रश्न पडतात. एखादा शिक्षक असं नेहमी मुलांना म्हणत असतो की, मला या पुस्तकांच्याही पलीकडे जाऊन काहीतरी तुम्हाला शिकवायचय, ते का?



‘प्रकाश आमटें सारखी उच्चशिक्षित व्यक्ती दूर कोसावर जंगलझाडीत राहणाऱ्या त्या आदिवासींसाठी आपलं उभं आयुष्य, तरुणपण खर्ची घालतो. का बरं ?

माझे आजोबा विनामूल्य कीर्तन करीत, आजारपण असतानाही लोकांकडे फिरायचे असं का करायचे ? सीमेवर शहीद झालेल्या जवानाची बायको मोठ्या धीराने असं म्हणते, “माझ्या मुलांना पण मी सैन्यात पाठवीन”, का ?

ह्या साऱ्या प्रश्नांची उत्तरं शोधल्यावर समजलं की, या साऱ्यांची उत्तरं तर फक्त एका शब्दात सामावली आहेत, तो शब्द म्हणजे – मूल्य! तेव्हा आठवलं की नीतिमूल्य वगैरे ही शाळेत कधीतरी पाठ केली

होती. पण त्याचं एवढं महत्त्व तेव्हा नव्हतं वाटलं ! गोष्टीतला राजू म्हणतो – “मोठ्यांचा आदर करा”. मिनू म्हणते, ‘चांगल्या सवयी असाव्यात, सर्वांशी मैत्री करावी. इतरांना मदत करावी”, हे सारेच आम्ही केले. पण जसे मोठे होत गेलो तसे गोष्टीतली ‘ती’ गोष्टच हरवून, निसटून जायला लागली. आमच्यातलेच काही तरुण असं म्हणतात की, “पुस्तकातल्या गोष्टी पुस्तकातच ठेवा”. मूल्य वगैरे बोलताना छान वाटतात फक्त.... काही लोक तर कलेचा आणि संवेदनशील प्रतिभेचा सुद्धा व्यापार करतात. कारण त्यांना हे मान्यच नसतं की, शिक्षणाची इमारत जरी उभी केली तरी त्याचा पाया हा मूल्य संस्कृतीवरच आहे”.



आजचे आम्ही खूप सारे असे ही तरुण आहेत की, जे सोशल मिडीयावर खूप ॲक्टिव्ह असतात. आम्ही तरुण जल्लोषात मोठ्या उत्साहाने मिरवणुकांमध्ये ढोल ताशा वाजवतो. आमची ती संस्कृती टिकावी म्हणून, रस्त्यावर पथनाट्य करतो – जनजागृतीसाठी कधी व्यसनमुक्ती तर कधी बेटी बचावो. चुकीच्या घटनेला निषेध करायला मोठ्या संख्येने मोर्चात सहभागी होतो. तर कधी विविध विषयांवर विचारमंथन व्हावं म्हणून राज्यस्तरीय वक्तृत्व, कवी संमेलन घेतो. तरुण हे सारं का करतात? कशासाठी? या प्रश्नांची उत्तरं जेव्हा मी शोधली तेव्हा माझ्या विचारांचं वर्तुळ पूर्ण झालं.

म्हणजे “सुरवातीला ज्या लोकांचे उल्लेख मी करते ती माणसं मूल्यांना जपण्यासाठी आयुष्यभर धडपडत राहिली आणि आम्ही तरुण मात्र त्याच मूल्यांना शोधण्यासाठी धडपडतोय हे मात्र खरं !

व्यवसायी से साक्षात्कार

राहुल गुप्ता , निखील तागडे प्रथम वर्ष, वाणिज्य

“सहयोगात्मक अध्ययन पद्धति”

(Cooperative Learning Method)

शैक्षिक वर्ष २०१६-२०१७ में मॉडर्न महाविद्यालय, शिवाजीनगर, पुणे के Centre for Innovations in Teaching and Learning के द्वारा श्रीमती डॉ. ललिता आगाशे जी के मार्गदर्शन में Cooperative Learning Method (सहयोगात्मक अध्ययन पद्धति) के संदर्भ में सालभर कार्यशाला हुई। कार्यशाला में सीखाई गई पद्धति ‘सहयोगात्मक’ के अनुसार मैंने अपने हिंदी पढ़नेवाले प्रथम वर्ष वाणिज्य के छात्रों को उनके पाठ्यक्रम के अनुसार सहयोगात्मक हिंदी परियोजना कार्य दिया, जिसमें कुछ विद्यार्थियों का एक समूह अथवा जोड़ी बनाते हुए किसी एक व्यवसायी का साक्षात्कार (Interview) लेने के लिए कहा था। बहुत से विद्यार्थियों ने अपने आस पास रहनेवाले छोटे व्यवसायी, दुकानदार आदि के साक्षात्कार लिए। प्रस्तुत साक्षात्कार प्रथम वर्ष, वाणिज्य में पढ़नेवाले राहुल गुप्ता और निखिल तागडे इस जोड़ी ने लिया है। उन्होंने एक दूसरे से चर्चा कर प्रश्नावली तयार की। साक्षात्कार कैसे लेना है, कितने और कैसे प्रश्न पूछने हैं, कौन प्रश्न करेगा, उनके द्वारा प्राप्त उत्तर कौन लिखेगा, आदि का नियोजन कर श्री आनंद तागडे जी का साक्षात्कार लिया, जो एक किराना की दुकान के मालिक और व्यवसायी है।

राहुल और निखिल ने साक्षात्कार लेने के बाद उसे सुंदर शब्दों में अंकित किया है। इस साक्षात्कार से यह प्रतीत होता है कि विद्यार्थी पुस्तक के साथ ही प्रत्यक्ष कार्य (Practical) में तथा एक दूसरे की सहायता से बहुत अच्छी तरह से सीखते हैं, नया अनुभव लेते हैं और उसे अभिव्यक्त करने के लिए अपनी भाषा को भी सक्षम बना पाते हैं। प्रस्तुत साक्षात्कार सहयोगात्मक अध्ययन का अच्छा उदाहरण सामने रखता है, साथ ही किसी सामान्य से विषय पर भी किसी का साक्षात्कार किस आदर्श रूप में लिया और लिखा जा सकता है इसकी साहित्य की दृष्टि से उत्तम प्रस्तुति भी करता है।

डॉ. प्रेरणा उबाळे, हिंदी विभागाध्यक्षा

१. आप अपने व्यवसाय के बारे में बताईएँ।

उत्तर: व्यवसाय एक ऐसी बात है जहाँ हम अपना व्यवहार, मन, तन, मेहनत से कर सकते हैं। अपना व्यापार खुद करने से हमें किसीकी गुलामी नहीं करनी पड़ती और हम अपना स्वतंत्र व्यापार कर सकते हैं।

मेरा व्यवसाय बनिया का है। जिसमें सारे घर में लगनेवाली वस्तुओं का समावेश है। इसमें घर में लगनेवाली विभिन्न चीजों का समावेश है।

२. आपको व्यापार करने की प्रेरणा कैसे मिली?

उत्तर: मुझे व्यवसाय करने की प्रेरणा अपने पिताजी से मिली है क्योंकि मैं बचपन में रोज अपने पिताजी के साथ उनकी दुकान में जाता था। पिताजी का ईमानदारी से कम करना और ग्राहकों के साथ अच्छा व्यवहार करना, लोगों के साथ अच्छा रिश्ता बनाना और अपने दुकान के प्रति पूरी लगन से मेहनत करना इन सब बातों के कारण मुझे भी व्यवसाय करने की इच्छा होने लगी थी। इस प्रकार मुझे व्यवसाय करने की अवधारणा मिली थी।

३. आपने अपना व्यवसाय किस तरह शुरू किया था?

उत्तर: यह व्यापार मेरे पिताजी ने शुरू किया था। इसलिए मेरी पढाई बाईस-तेईस की उम्र में खत्म हो गई और मैंने उसी उम्र में अपने पिताजी के व्यापार को आज के नए युग के साथ आगे बढ़ाना शुरू किया था।

४. आप अपनी दुकान में किन वस्तुओं की बिक्री करते हैं और आप उनका विज्ञापन कैसे करते हैं?

उत्तर: - मैं घर में लगनेवाली हर एक जरूरत की चीजों की बिक्री करता हूँ।

मैं अपनी वस्तुओं का विज्ञापन अखबार के द्वारा करता हूँ और नई वस्तुओं का दुकान के बाहर आकर्षक बोर्ड लगाकर विज्ञापन करता हूँ। मेरी दुकान के बाहर कई जगहों पर मैं अपने वस्तुओं के विज्ञापन का बोर्ड लगाता हूँ।

५. आपके व्यवसाय में सबसे विशेष वस्तु कौन सी है?

उत्तर: मेरी दुकान में सबसे विशेष वस्तु ड्राय फ्रूट है और मैं ड्राय फ्रूट की सबसे ज्यादा बिक्री करता हूँ।

६. आपके व्यवसाय की विशेषता कौन सी है?

उत्तर: मेरी दुकान की सबसे विशेष बात यह है कि मैं ग्राहकों को सबसे ज्यादा छूट देता हूँ। इस कारण मेरी दुकान में ग्राहक बढ़ते जाते हैं।

७. आप किस तरह खरीदारी करते हैं?

उत्तर: मैं अपनी दुकान के हर एक वस्तु का हिसाब रखता हूँ और इससे मुझे खरीदारी करने में कोई तकलीफ नहीं होती है। इस बात

का ध्यान रखता हूँ कि कौन सी वस्तुओं का बाजार में दाम कम हो गया है और उस समय मैं उस वस्तु की खरीदारी करता हूँ।

८. एक व्यापारी कुशल व्यापारी कैसे बन सकता है?

उत्तर: व्यापार में पहली बात तो हमें आनेवाले ग्राहकों के बारे में सोचना चाहिए क्योंकि ग्राहक हमारे लिए परमेश्वर से कम नहीं होते हैं। व्यापार में ग्राहक की इज्जत और उससे नम्र व्यवहार करना चाहिए। ग्राहक छोटा हो या बड़ा हो, हमें सबके साथ अच्छा व्यवहार करना चाहिए। जब मैंने इस व्यवसाय का प्रारंभ किया था, तब मुझे शुरुआत में थोड़ी तकलीफ हुई थी। भले ही व्यापार में उतार चढ़ाव आते हैं, परंतु हमें व्यवसाय में हमेशा मेहनत करना चाहिए। मुझे शुरुआत में कुछ तकलीफ हुई परन्तु कुछ समय बाद मुझे सफलता मिली। किसी भी व्यापार में सफलता पाने में कुछ समय लगता है। हमें अपने आप पर विश्वास रखना चाहिए और हिम्मत से आगे बढ़ना चाहिए। अगर किसी भी व्यवसाय में किसी भी व्यापारी का बुरा समय चल रहा हो तो उसे हिम्मत नहीं छोड़नी चाहिए कुछ समय बाद उसे जरूर व्यवसाय में सफलता मिलेगी। इस प्रकार एक व्यापारी कुशल व्यापारी बन सकता है।

९. आप अपनी दुकान में ग्राहकों के साथ किस तरह व्यवहार करते हैं?

उत्तर: - मैं अपने ग्राहकों के साथ संवेदनशीलता, ईमानदारी और नम्रता से व्यवहार करता हूँ। ग्राहकों से ऐसा व्यवहार रखना चाहिए जिससे ग्राहक के मन में अपने प्रति विश्वास प्रस्थापित हो और कोई भी वस्तु खरीदते समय ग्राहक के मन में संकोच की भावना न हो।

१०. दुकान में रोज आनेवाले ग्राहकों को क्या फायदा मिलता है?

उत्तर: मैं अपनी दुकान में रोज आनेवाले ग्राहकों को ज्यादा से ज्यादा छूट देता हूँ और उन लोगों को हर एक वस्तु पर कुछ न कुछ उपहार देता हूँ। पूरे साल के अलग अलग त्योहारों में सभी वस्तुओं पर कुछ न कुछ ऑफर देता हूँ।

११. आपके मुताबिक व्यापार में ज्ञान का क्या महत्व है? व्यापार में कंप्यूटर और इंटरनेट की क्या जरूरत है?

उत्तर: व्यापार में ज्ञान का बड़ा महत्व है। कंप्यूटर और इंटरनेट के कारण व्यापार करना आज के युग में बहुत सरल हो गया है।

जहाँ कुछ भी आदान प्रदान हो रहा है वह सब व्यापार के ही अधीन है। व्यक्ति का जितना बड़ा ज्ञान क्षेत्र होता है, ठीक उतना ही बड़ा उसका संसार होता है। फलस्वरूप उस ज्ञान क्षेत्र पर आधारित व्यापार का संचालन करता है, इसलिए ही ज्ञान क्षेत्र को विस्तार के लिए सदैव प्रयत्नशील रहना चाहिए। प्रत्येक व्यक्ति ही व्यापारी है और वही दूसरे के ग्राहक भी हैं। यदि व्यक्ति आपस में आदान प्रदान कर व्यापार कर रहे हैं तो इस संसार में ईश्वर का व्यापार चल रहा है। सभी वस्तुएँ उनके उत्पाद हैं। उन सब वस्तुओं का आदान प्रदान हो रहा है जिसके व्यापारी स्वयं ईश्वर हैं, ये सत्य सिद्धांत हैं।

शिक्षा क्षेत्र का यह दुर्भाग्य है कि जीवन से जुड़ा इतना महत्वपूर्ण विषय “व्यापार” को हम एक अनिवार्य विषय के रूप में पाठ्यक्रम में शामिल नहीं कर सके हैं।

इसकी कमी का अनुभव उस समय होता है जब कोई विद्यार्थी दसवीं या बारहवीं तक की शिक्षा के उपरान्त किसी कारणवश आगे की शिक्षा ग्रहण नहीं कर पाता। फिर उस विद्यार्थी द्वारा पढ़े गए विज्ञान और गणित के वे कठिन सूत्र उसके जीवन में अनुपयोगी लगने लगते हैं। यदि वहीं वह व्यापार के ज्ञान से युक्त होता तो शायद वह जीविकोपार्जन का मार्ग सुगमता से खोजने में सक्षम होता।

प्रत्येक व्यापार के जन्म होने का कारण एक विचार होता है। पहले विचार की उत्पत्ति होती है फिर उस पर आधारित होकर आदान प्रदान का नेतृत्वकर्ता व्यापारी और आदान प्रदान में शामिल होनेवाला ग्राहक होता है।

ज्ञान का वर्तमान और उसी ओर बढ़ते युग में व्यापार के तरीके भी बदल रहे हैं। ऐसी स्थिति में स्वयं को भी बदलते हुए अपने ज्ञान को बढ़ावा देना होगा और आगे बढ़ना होगा। अन्यथा प्रतियोगिता भरे जीवन के संघर्ष में पीछे रह जाने के सिवा कोई रास्ता नहीं होगा। वर्तमान समय में गाँवों तक भी कंप्यूटर और इंटरनेट की पहुँच तेज़ी से बढ़ रही है।

कंप्यूटर और इंटरनेट केवल चला लेना ही ज्ञान नहीं है। चलाना तो कला है। कला को व्यापार में बदल देना ही सत्य में ज्ञान वृद्धि है। हम कंप्यूटर और इंटरनेट से किस प्रकार व्यापार कर सकते हैं इस पर अध्ययन – चिंतन – मनन करना आवश्यक है।

१२. आप ग्राहकों को आकर्षित करने के लिए क्या करते हैं?

उत्तर: मैं अपनी दुकान को हमेशा साफ रखता हूँ। अपनी दुकान में आनेवाले ग्राहकों का स्वागत – सत्कार और उनकी प्रशंसा भी करता हूँ। ग्राहकों की संतुष्टि यही मेरा मूल उद्देश्य है। मेरी दुकान की कोई भी वस्तु पर ग्राहकों को कोई न कोई ऑफर देता हूँ। मैं ग्राहकों को अच्छे से अच्छी सेवा देने की कोशिश करता हूँ। मैं अपने ग्राहकों को अच्छे से समझने की कोशिश करता हूँ। यदि कोई वस्तु जो ग्राहक को चाहिए, और वह वस्तु मेरे पास उपलब्ध न हो तो मैं उस वस्तु को दूसरी जगह से मँगवा कर देता हूँ।

ग्राहक किसी भी व्यवसाय का सबसे महत्वपूर्ण भाग है। ग्राहक ही हमारे लाभ हानि, मान सन्मान और यश की सीमा निर्धारित करते हैं। बिना ग्राहक पाए कोई भी व्यवसाय आगे नहीं बढ़ सकता। इसलिए किसी भी व्यापार में ग्राहक को आकर्षित करना बहुत आवश्यक है।

१३. आप व्यवसाय में किससे सलाह लेते हैं?

उत्तर: मैं व्यवसाय के बारे में अपने पिताजी से सलाह लेता हूँ। व्यवसाय में कोई भी बदलाव उनसे पूछकर करता हूँ।

१४. आप अपनी दुकान में ग्राहकों के साथ अच्छा रिश्ता कैसे बनाते हैं?

उत्तर: मैं अपने ग्राहकों को संतुष्ट करता हूँ। ग्राहकों के साथ अपना अच्छा व्यवहार होना बहुत जरूरी है। यदि कोई भी ग्राहक मेरी दुकान से कोई वस्तु नहीं खरीदता है तब भी मेरा व्यवहार उस ग्राहक से अच्छा रहता है और मैं अंत में उस ग्राहक के विचार जानने

की कोशिश करता हूँ। हर एक ग्राहक से मैं अपनी दुकान के बारे में उनकी प्रतिक्रिया लेता हूँ। ग्राहक की पसंद, नापसंद के बारे में जानने की कोशिश करता हूँ। मैं अपने ग्राहकों को अपनी प्रतिक्रिया लिखने के लिए एक कार्ड देता हूँ। इन प्रतिक्रियाओं के आधार पर मैं अपने दुकान में बदलाव करता हूँ और इस कारण मेरी दुकान में ग्राहकों की संख्या बढ़ जाती है और मेरा फायदा भी होता है। इस प्रकार हम ग्राहकों से अच्छा रिश्ता बना सकते हैं।

ग्राहकों को खरीदारी करना और पहचाने जाना अच्छा लगता है। भले ही किसी और जगह पर कुछ और भी सस्ती वस्तुएँ मिलती हैं लेकिन ग्राहक वही जाना पसंद करते हैं जहाँ पर उनके साथ में अच्छा व्यवहार किया जाता हो। अपने ग्राहकों के नाम याद रखें, और उन्हें अभिवादन करें। ग्राहकों को अच्छा लगता है जब आप उनका नाम और उनके द्वारा लिए जा रहे वस्तुओं को याद रखते हैं तो यदि आप अपने ग्राहकों को वापस बुलाना चाहते हैं तो उनका नाम याद रखें और उनके द्वारा खरीदे जानेवाले सामानों को भी याद रखें उनके बोलने से पहले ही उनके द्वारा खरीदे जानेवाले सामान बाहर निकल दें। किसी को भी “छोटा या बड़ा” ग्राहक ना समझे, सारे ग्राहकों के साथ एक समान पेश आएँ।

१५. आपकी प्रबंधक शैली क्या है?

उत्तर: मेरी दुकान सुबह सात बजे खुल जाती है। दोपहर को एक से तीन बजे तक मैं अपनी दुकान बंद रखता हूँ। फिर शाम चार से नौ बजे तक मेरी दुकान खुली रहती है।

१६. आपको व्यवसाय करते कितने वर्ष हो गए?

उत्तर: मुझे व्यवसाय करते सोलह वर्ष हो गए। मेरे पिताजी को व्यवसाय करते तीस वर्ष हो गए।

१७. इतने वर्ष व्यवसाय का आपका अनुभव कैसा रहा?

उत्तर: व्यवसाय छोटा हो या बड़ा अनुभव होते ही हैं। अच्छे बुरे ग्राहकों का फायदा नुकसान का और बहुत से छोटे से लेकर बड़े लोग हैं जैसे छोटे से छोटा घरेलु ग्राहक और बड़े से बड़ा ग्राहक ऐसी बहुत सी बातें हैं। जो हम व्यापार करते समय सीखते हैं और हमें उन सब बातों का अनुभव होता है और मेरा अनुभव व्यापार मैं बहुत अच्छा रहा है। - - - - -

१८. आपको व्यवसाय करने के लिए किसने सबसे ज्यादा प्रोत्साहित किया है और आप किससे प्रेरित हुए हैं?

उत्तर: मुझे व्यापार मैं सबसे ज्यादा मेरे पिताजी ने प्रोत्साहित किया और वैसे हमारी पुरानी दुकान होने की वजह से दुकान पर पिताजी के साथ आना जाना और उनका लोगों से व्यवहार करते देखना। ऐसी बहुत सी बातें हैं जो मुझे इस व्यवसाय की ओर प्रेरित करती है।

१९. आपके व्यवसाय पर प्रतियोगी का क्या प्रभाव पड़ता है और आपके दुकान का दुसरे प्रतियोगी पर कैसा असर पड़ता है?

उत्तर: अगर मेरे क्षेत्र में कोई नई दुकान खुल जाती है तो उसका मेरी दुकान पर प्रभाव पड़ता है परंतु मैं ग्राहकों को अलग अलग ऑफर और उपहार देकर इस कठिनाई का सामना करता हूँ।

हमारे व्यवसाय पर प्रतियोगी का प्रभाव तो हम देखते हैं। लेकिन फिर भी हमें अपना व्यवसाय सकारात्मक सोच के साथ आगे बढ़ाते रहना चाहिए। हम अपने तरीके से अच्छे से अच्छा माल अपने ग्राहकों को देना चाहिए। उन वस्तुओं का सही दाम ग्राहकों से लेना और उनके मन में अपने प्रति कोई बात की आशंका संकोच न हो इसका ध्यान रखना चाहिए।

२०. आपके क्षेत्र के सभी व्यवसायों में आपके व्यवसाय का क्या स्थान है?

उत्तर: मैं अपने मोहल्ले में एक “नामांकित व्यापारी” के रूप में पहचाना जाता हूँ। ग्राहकों को घरेलु छोटी से छोटी हर चीज बेचता हूँ। ग्राहक मुझसे खुश रहते हैं। मैं उनसे खुश रहता हूँ। मैं ग्राहकों से अच्छा रिश्ता बनाने की कोशिश करता हूँ। मैं अपने आपको एक सफल व्यापारी मानता हूँ। सभी दुकानों में मेरे दुकान का स्थान श्रेष्ठ है। वक्त पड़ने पर अच्छे ग्राहकों को आधार देकर उनको मदद करता हूँ। ग्राहकों को उधारी पर माल देता हूँ। मेरे क्षेत्र में कोई भी व्यापारी उधारी पर ग्राहकों को माल नहीं देता है। मेरा मूल उद्देश्य ग्राहकों को संतुष्ट करना है।

२१. आपको व्यवसाय की किस वर्ष में सबसे ज्यादा उन्नति हुई थी?

उत्तर: मेरी दुकान की साल २०१३ में सबसे ज्यादा उन्नति हुई थी। इस साल मैंने ड्राय फ्रूट बेचने की शुरुआत की थी। मैंने ड्राय फ्रूट को बहुत अच्छे से सजाकर रखा था और इस कारण ज्यादा से ज्यादा ग्राहक आकर्षित हो रहे थे और मैंने उस पर ग्राहकों के लिए उपहार और अलग अलग ऑफर भी रखी थी। उस साल के बाद ड्राय फ्रूट मेरे दुकान की विशेष वस्तु बन गई है।

२२. आपके व्यवसाय के कारण आपकी आर्थिक स्थिति में क्या बदलाव आया है?

उत्तर: यह व्यापार मेरे पिताजी का है। जब पिताजी ने इस दुकान को शुरू किया था, तब हम लोग बहुत गरीब थे, परंतु पिताजी की मेहनत और लगन से पूरे परिवार में अच्छा बदलाव आया था। पहले हमने दुकान किराए पर लिया था, परंतु आज यह दुकान हमारी खुद की है। मैं इस व्यवसाय को बहुत आगे तक बढ़ाना चाहता हूँ।

२३. आप आज की नई पीढ़ी को क्या संदेश देना चाहते हैं?

उत्तर: मैं व्यापार के माध्यम से लोगों को यह संदेश देना चाहूँगा कि अगर आप व्यापार के क्षेत्र में आ चुके हो तो ज्यादा से ज्यादा मेहनत करो और ईमानदारी, नम्र व्यवहार रखें और व्यापार आगे न बढ़ने पर निराश न होकर आगे बढ़ने की कोशिश करें। कोशिश करने पर व्यापार बढ़ता है और हमें फायदा मिलता है। एक बात आपसे कहना चाहूँगा कि हमें ये नहीं सोचना चाहिए कि हमें ग्राहकों से ज्यादा फायदा मिल रहा है। हालाँकि किसी भी व्यापारी का उद्देश्य यह है कि उसे ज्यादा से ज्यादा फायदा होना चाहिए, परंतु हमें ये देखना है कि ग्राहकों को वस्तुएँ देने पर वह संतुष्ट है। फिर दोबारा

वस्तुएँ हमारे पास ही आकर लेंगे। कोई भी व्यवसाय अपनी मेहनत और लगन से आगे बढ़ता है। इन्सान को आगे बढ़ने की उम्मीद और बुरे समय में हिम्मत रखनी चाहिए। किसी भी व्यापार में सफलता मिलने में समय लगता है। तो हमें हमेशा मेहनत करते रहना चाहिए और सही समय का इंतजार करना चाहिए।

राष्ट्रभाषा

हिंदी यह भाषा हमारी।
लगती है हम सबको प्यारी।
इस भाषा में हम सब मिलकर
इस भाषा का ज्ञान बढ़ाएँगे
हम हर व्यक्ती से कहकर
इस भाषा का व्यवहार बढ़ाएँगे
इस भाषा को राष्ट्रभाषा का
स्थान दिलाएँगे।
हम सबसे कहकर
इस भाषा की उत्सुकता
सबके मन में जगाएँगे
इस भाषा में व्यवहार करके
देश को प्रगती के मार्ग पर लाएँगे
हिंदी को राष्ट्रभाषा बनाकर दिखलाएँगे।
हिंदी भाषा में हम आगे बढ़कर दिखलाएँगे
इस भाषा में ज्ञान बढ़ाकर
देश की उन्नति करके दिखलाएँगे
हर व्यवहार हिंदी
भाषा में ही हो पाए
ऐसा कुछ हम सब करके दिखलाएँगे।
हम आपस में भेदभाव न
रखकर इस भाषा का स्थान बढ़ाएँगे,
राष्ट्रभाषा का स्थान दिलानेपर
हम एक दुसरे का साथ निभाएँगे
आपस में हम इस भाषा की मुश्किलें सुलझाएँगे।
पीछे कदम ना लेंगे
आगे बढ़ते जाएँगे
कभी न हारेंगे, जीतकर दिखलाएँगे।
- अंजुम मौलाली पटेल, प्रथम वर्ष कला

जब दिमाग कमजोर होता है,
परिस्थितियाँ समस्या बन जाती है...

जब दिमाग स्थिर होता है,
परिस्थितियाँ चुनौती बन जाती है...

जब दिमाग मजबूत होता है,
परिस्थितियाँ अवसर बन जाती है ॥

खुबसुरती !!

हर किसी को अपने खुबसुरती पर घमंड होता है...

अपने अपने तरीकोंसे हम खुबसुरती की परिभाषा बनाते हैं। हम जो सोचे... वही हम सच मान लेते हैं। ...खुबसुरत सिर्फ शरीर से नहीं होते... मन कि खुबसुरती ही सबसे बड़ी है...पर मन तक पोहोचने के लिये न हमारे पास वक्त है ना हम मन तक जाने की चाह रखते हैं। हम तो ऐसे जहाँ मे रहते हैं। यहा तो इन्सान के रंग से हम उसकी पहचान करते हैं... उसके करमोंसे हम वाकीफ नहीं होते... खुबसुरती की परिभाषा देखें तो वो है.. खुबसुरत है वो दिल जो किसी की भावनाओंको समझे... खुबसुरत है वो एहसास जो किसी के प्यार प्यार से भरा हो... खुबसुरत है वो हात जो किसी की मुश्कील मे काम आए...प्यारी है वो आंखें जो किसी के दूःख मे आसू बहाये... खुबसुरत है वो हसी जो किसी मुस्कारहाट बन जाये...जिंदगी बहुत छोटी है...हम अक्सर बाहरी खुबसुरती पर मन मोहित कर लेते हैं... किसी की सही पहचान नही करते हैं...कहते हैं, वक्त गुजरने को वक्त नही लगता... इसी वक्त के साथ हम अपनी बाहरी खुबसुरती खो देते हैं..इसलिए खुबसुरत है वो मां का दामन जिस मे दुनिया की हर गलती माफ हो जाये... खुबसुरत है वो पापा के खंभे जिस पर बैठ के पुरी दुनिया पर हम राज करे छोटी छोटी चीजों को हम नजर अंदाज कर देते हैं.. पर ...

छोटी चीजें हमें एक दिन बड़ी लगती है... खुबसुरत है वो ख्वाब जिसमे हौसालो की कमी न हो... किताबें हमे जो न सिखा पाये वो एक खुबसुरत अनुभव हमे सिखा जाये...यह सब तो कहने की बातें है...

आस पास देखो तो हर किसी को कुछ ना कुछ तकलीफ है... सब मे कुछ ना कुछ कमी है... अगर हमारे पास कुछ ज्यादा है और किसी के पास कुछ कम तो गर्व न करे क्योंकि हमेशा अपनी किमत उतनी हि रखें जितनी अदा हो सकें...

अनमोल हो गये तो ... हम अकेले हो जायेंगे... इसलिये बहार से खुबसुरत हो तो ... बहुत अच्छा है...पर मनसे और सोच से खुबसुरत हो जाये तो सोने पर सुहागा है...खुबसुरती तो हर किसी को अपना बनाने में है...रिश्तों को संभालने मे है...लेकिन रिश्ते ऐसे बनाये जिसमे खुबसुरती देखी जाये... इन्सान कि नही...रिश्तों की

इस जिंदगी के सफर मे हमसे कुछ लोग खफा होंगे...कुच्छ हमसे खुश होंगे...कोई छोड के जायेंगे, किसी को हम छोड देंगे...किसी का हम इंतजार करेंगे...कोई हमारा इंतजार करेगा...कुच्छ सपने पुरे होंगे...कुच्छ बिखर जायेंगे..जिंदगी मे काही बाते बिन मांगे मिलेगी... कुच्छ मांगने पर भी नजर नही आयेंगी...इसलिये गलत और सही बातें तो होती रहेगी...किसी को याद करना...भुला देना चलता रहेगा..इस सफर को बस हम सब मिलकर खुबसुरत बना देंगे। आखिर हम भी यहा एक खुबसुरत याद बनकर ही रह जायेंगे ...!

धनश्री पाटील, T.Y.BBA.

जल है तो कल है

दिवंकल पुरोहित, द्वितीय वर्ष, कला

यह तो सब जानते हैं कि जल ही जीवन है लेकिन भौतिक सम्पदा की अंधी दौड़ में मुफ्त में मिले इस बहुमूल्य संसाधन का इतना नुकसान किया जा रहा है कि आज भारत में बहनेवाली अधिकतर नदियों के प्रवाह क्षेत्र और उनकी जल की गुणवत्ता पर गंभीर प्रभाव पड़ा है। भारत में प्राकृतिक जल संसाधन के अंधाधुंध दोहन और मानव निर्मित कारखानों और उद्योगों से निकले प्रदूषण की शिकार होकर अधिकतर नदियाँ अब बीमार हो चली हैं।

जीवनदायिनी और धरती को उर्वर बनाने की वजह से ही प्राचीन हिन्दू धर्म ग्रन्थ में नदियों को माँ स्वरूप माना गया है, सिर्फ हिन्दू नहीं बल्कि मेसोपोटामिया से लेकर चीन के प्राचीन राजवंशों ने भी कुदरत के इस अनमोल खजाने को सहेजने के सन्देश दिए हैं। ध्यान रहे कि पृथ्वी पर कुल ७१ प्रतिशत जल उपलब्ध है, जबकि इसमें ९७.३ प्रतिशत पानी खारा होने के कारण पीने के योग्य नहीं है। बचा २.७ प्रतिशत मीठा जल हमें नदियों, झीलों, तालाबों जैसे संसाधनों से प्राप्त होता है।

भारत में तो नदियों तथा अन्य जल क्षेत्रों की स्थिति बेहद खराब है। नदियों से लेकर जल के दूसरे प्रमुख स्रोतों जैसे झील, तलब और मौसमी नदियों पर भी अतिक्रमण कर उन्हें बाँटा जा रहा है। फ़िलहाल जल संकट की दिनोदिन गंभीर होती स्थिति को लेकर उच्च न्यायालय ने भी राज्य सरकारों को उनके क्षेत्रों के कुंड एवं तालाबों के बाँटे जाने पर नाराजगी जताई है। लेकिन जिम्मेदारों के कानों पर जूँ भी नहीं रेंगी।



देश में १४ बड़ी, ५५ लघु व १०० छोटी नदियों में मानव मल, मूत्र, दूषित जल व औद्योगिक कचरा उंडेला जा रहा है। इन्सान सहित धरती के प्राणी दूषित पानी पीने को मजबूर हैं। विश्व बैंक की रिपोर्ट के अनुसार भारत में तक़रीबन ६० प्रतिशत बीमारियों का कारण अशुद्ध पानी है। केन्द्रीय जल आयोग द्वारा की गई जाँचों में पता चला है की फैक्टरियों से निकलनेवाले अपशिष्ट जल प्रदूषण का प्रमुख कारण है।

रासायनिक तत्व पानी में मिलकर जलजनित बीमारियों को जन्म देते हैं। कैल्शियम, मैग्नीशियम, सोडियम, पोटेशियम, आयरन आदि जल के वास्तविक गुण को प्रभावित करती हैं।

यहीं बातें ख़त्म नहीं होती। शहरों को रोशन करने के लिए भी नदियों का दहन किया जाता है। नदियों के प्राकृतिक रस्ते पर बांध बनाकर ऊर्जा उत्पादन किया जाता है। भारत की सबसे पवित्र और पूजनीय नदी गंगा भी ऊर्जा उत्पादन के इन महत्वाकांक्षी मनसूबों का शिकार बन गई है। कुछ विशेषज्ञों का तो मानना है कि डूब क्षेत्र में आए या जल ग्रहण क्षेत्र से बहकर आए जैविक पदार्थ के जलाशय में सड़ने से उसमें ग्रीन हाउस गैसों का निर्माण काफी अधिक होता है जो ग्लोबल वॉर्मिंग का एक प्रमुख कारण बनता है।

दुनिया की ८० प्रतिशत आबादी (लगभग ५ अरब लोग) आज भी ताजे पानी के लिए गंगा, ब्रम्हपुत्र, यलो, मिकांग, नील, टाइबर, राइन, डेन्यूब और अमेजन तरल जैसी प्रमुख नदियों पर निर्भर है। लेकिन पिछले कुछ वर्षों से इन नदियों पर निर्भर है और लगातार पड़ रहे दबाव व नदीतंत्र के अत्यधिक दोहन के परिणामस्वरूप इन नदियों पर गंभीर खतरा मंडराने लगा है। नदी के पर्यावरण के साथ हो रही छेड़छाड़, खेती और मानव उपयोग के लिए खींचे जा रहे पानी और प्रदूषण के कारण ये नदियाँ अब धीरे धीरे दम तोड़ने ली हैं।

असंख्य छोटी नदियाँ तो प्रकृति और मानव की इस मार के आगे कब से अपना अस्तित्व खो चुकी हैं। फ़िलहाल तो यही कह सकती हूँ कि, “दम तोड़ती नदियाँ, जिम्मेदार आप और हम....”।

विडंबना है कि अपने घरों में तो हम पीने के पानी के लिए जल शुद्धिकरण यंत्रों का उपयोग करते हैं लेकिन गिरते जलस्तर और प्रदूषण की चिंता किसीको नहीं है। जब बात नदियों जैसी बहुमूल्य सम्पदा की होती है तो क्यों लोग इनसे किनारा कर लेते हैं? ‘जल है तो कल है’ जैसी बातें सिर्फ जल संवर्धन के नारे नहीं हैं। इनमें बहुत बड़ी बात छुपी है जो आपके और मेरे, सबके मन की है.....



भारतीय त्योहार

अश्विनी कैलास ननावरे, द्वितीय वर्ष, कला

भारत को त्योहारों का देश कहा जाता है। जितने त्योहार इस भारत देश में मनाये जाते हैं, शायद किसी और देश में नहीं मनाये जाते। भारत देश में लोगों में एकता की झलक खासतौर पर त्योहारों के मौकों पर ही देखने को मिलती है। त्योहारों का सिलसिला भारत देश में वर्षभर जारी रहता है। भारत के त्योहार देश की संस्कृति को उजागर करते हैं। विभिन्न जातियों के, विभिन्न भाषाओं के, विभिन्न प्रांतों के, विभिन्न रंगों के लोगों को एकाकार करने में हमारे भारतीय त्योहार प्रमुख माने जाते हैं। भारतीय त्योहार ऋतु चक्र के अनुसार आते हैं। सभी त्योहार देश में रहनेवाले सभी देशवासियों के लिए खुशियाँ लेकर आते हैं। भारत में होनेवाला हर एक त्योहार सभी देशवासियों को कुछ ना कुछ संदेश देता है। जैसे स्वतंत्रता दिवस, गणतंत्र दिवस, बाल दिवस, गांधी जयंती, शिक्षक दिवस आदि राष्ट्रीय त्योहार देश और समाज के प्रति हमारे कर्तव्यों का स्मरण कराते हैं। इन त्योहारों के आगमन पर हमें अपने इतिहास, उसकी परंपराओं तथा वर्तमान में हम किस ओर जा रहे हैं इसका ज्ञान होता है। विभिन्न अवसरों पर हम अपने महापुरुषों का स्मरण करते हैं। इतिहास में जो भी महापुरुष हो गए, उन्होंने जो भी सन्देश दिए, उनका पालन करने का हम प्रयास करते हैं। उनके पालन का हम आदर सम्मान करते हैं। इन धार्मिक, सामाजिक त्योहारों के अतिरिक्त स्वतंत्रता दिवस, गणतंत्र दिवस और गांधी जयंती हमारे राष्ट्रीय पर्व हैं, जिन्हें हम हर वर्ष पूरे धूम धाम से मनाते हैं। यह राष्ट्रीय पर्व हमें उन अमर शहीदों की याद दिलाते हैं, जिन्होंने देश की आजादी के लिए हँसते हँसते अपने प्राण न्योछावर कर दिए। इन त्योहारों पर हर भारतवासी वचन लेता है कि वह देश की एकता, गौरव और अखंडता हमेशा ऐसे ही बनाये रखता है।



“उपहारों की खुशबू लेकर,
जब जब आ जाते हैं त्योहार,

त्योहारों का आना जैसे,
टप टप माँ का प्यार।”

भारत में होली, दिवाली, दशहरा, रक्षाबंधन, बंगाल की दुर्गापूजा, गुजरात की नवरात्री, राजस्थान का गणगौर, आसाम का बिहू, महाराष्ट्र का गणेशोत्सव, मद्रास का पोंगल और ओणम यह सभी त्योहार विशेष प्रसिद्ध हैं। जैसे, रक्षाबंधन का त्योहार भाई बहन का प्यार दर्शाता है। यह त्योहार श्रावण माह की पूर्णिमा को मनाया जाता है। रक्षाबंधन केवल एक त्योहार नहीं बल्कि हमारी परंपराओं का प्रतीक है। हमारे देश में इसका बड़ा महत्व है। रक्षाबंधन के दिन बहन भाई की कलाई पर राखी बाँधती है। भाई इस अवसर पर बहन को तोहफा देता है। आनेवाले हर मुश्किल समय में बहन की रक्षा करने का भाई वचन देता है। भारत देश में विभिन्न धर्मों के लोग रहते हैं। जैसे कि हिन्दू, मुसलमान, सीख, फारसी, तेलगू, ख्रिश्चन, पंडित आदि धर्मों के लोग भारत देश में रहते हैं। इन सब धर्मों में त्योहार मनाए जाते हैं। हर धर्म में विभिन्न त्योहार मनाए जाते हैं। जैसे कि मुसलमानों में ईद का त्योहार सबसे बड़ा माना जाता है। यह त्योहार सभी मुसलमान देशवासियों का महत्वपूर्ण धार्मिक त्योहार है। यह त्योहार भारत में बहुत ही धूम-धाम से मनाया जाता है। इस त्योहार पर सभी मुसलमान देशवासी सभी भेद-भ्रम को भूलकर गले मिलते हैं। एक दूसरे को ईद की बधाई देते हैं। ईद का त्योहार सभी के लिए खुशियाँ लेकर आता है।

क्रिसमस ईसाईयों का त्योहार माना जाता है। क्रिसमस का त्योहार ईसा मसीह के जन्मदिन पर मनाया जाता है। ईसाई लोग अपने घर को सजाते हैं। क्रिसमस ट्री लाते हैं। क्रिसमस के दिन ईसाईयों के घरों में विशेष प्रार्थना की जाती है। इसी प्रकार भारत में होनेवाले सभी त्योहार खुशियाँ लाते हैं। मुसलमान भाइयों की ईद, मोहरम; सिखों की बैसाखी, यह सभी त्योहार समाज में देशवासियों में एकता रखते हैं। यह त्योहार हमारे भारतीय संस्कृति के गौरव है। हमारे यह त्योहार हमारी पहचान है। हमें इन त्योहारों को मिल जुलकर पवित्रता से मनाना चाहिए। भारतीय त्योहार हमारे जीवन को प्रेरणा देते हैं जिसमें हमें धार्मिक, सांस्कृतिक, सामाजिक और आदर्शों के नागरिक बन सके। सभी त्योहार हमें एकता का संदेश देते हैं। हम हिन्दू, मुसलमानों, ईसाईयों, सीखों आदि के त्योहारों को अपना त्योहार मानकर उसमें हम सहभाग लेते हैं और खुशियाँ मनाते हैं। इसी तरह मुसलमान, सीख, ईसाई भी हमारे हिन्दू त्योहारों को अपनाकर अपनी भावना प्रकट करते हैं।

कॉलेज के यादगार दिन

नए --नए से आये थे,
एक दूजे से अनजाने,
खुलकर मिलने में भी,
हम सब थे थोड़ा सकुचाते।

--- -- नम पूछते बतलाते थे,
फिर थोड़ासा मुस्काते थे,
निर्मल, कोमल मन से,
अपने भाव जगाते थे।

सुबह सुबह उठकर मेस में,
लाइन जो लगते थे,
तभी एक दूसरे का हाल चाल पूछ लेते थे,
बस से कॉलेज तक,
सब संग में जाते थे।

रस्ते में पडनेवाले संगम के पुल पर,
गोरी विदेशी मेमों को देख कर,
जोर जोर से चिल्लाते थे।

हर असाइनमेंट छाप छाप कर,
अपना ज्ञान बढ़ाया है,
और कुछ आया न आया,
नकल करना बखूबी आया है।

कुछ का नाम बिगाड़ा,
कुछ की मौज उड़ाई,
दोस्त के जन्म दिन पर,
उसे लातों से मरने पर भी,
दावत उड़ाई।

परीक्षा समय आने पर,
खुद को रात – रात जगाया था।
समझ नहीं आने पर,
'मुझे पढ़ा दे' का नारा भी
खूब लगाया था।

ये मौज मस्ती की जिंदगी,
फिर ना कभी आएँगी,
तीन बरस जीवन के ये,
सबसे सुखमय कहलाएँगे।

राहुल गुप्ता, प्रथम वर्ष वाणिज्य



बेटी

(यह आवाज उस बेटी की है जो अपनी माँ की कोख में है और 'मुझे मत मारो' कह रही है।)

माँ मैं कभी नहीं रोऊँगी,
तेरे साथ खिलौना बनकर खेलूँगी,
पर मारना मत मुझे माँ।
जब थोड़ीसी बड़ी हो जाऊँगी,
तो स्कूल जाने की भी न ज़िद करूँगी,
तेरे हर काम में हाथ बटाऊँगी,
पर मारना मत मुझे माँ।
जब और थोड़ीसी बड़ी हो जाऊँगी,
तो अलग – अलग पकवान बनाकर तुझे खिलाऊँगी।
जब तू खाना खाकर सो जाएगी,
तो पैर तेरे दबाने आ जाऊँगी,
पर मारना मत मुझे माँ।
अगर हो कोई छोटा भाई,
तो उसे भी ना तंग करूँगी।
जब तुम बाहर जाओगी,
तो ध्यान उसका रखूँगी।
पर मारना मत मुझे माँ।
शादी के लिए भी कभी नहीं ज़िद करूँगी,
उम्रभर साथ तेरे रहूँगी।
बुढ़ापे का तेरा सहारा बनना चाहूँगी।
पर मारना मत मुझे माँ।

करिश्मा एन. आगरवाल, द्वितीय वर्ष, वाणिज्य

माँ

वो मेरी आशा, वो मेरी अभिलाषा,
ममता से भरी अपनेपन की परिभाषा।
वो मेरे साथ हरदम बनकर एक साया,
उसने ही मेरा जीवन है महकाया।
तकलीफ में भी मुस्काती है,
हर गम खुशी से सहजाती है।
मेरी राहोंपर फूल बिछाती है,
खुद कांटों पर भी सो जाती है।
ममता की मूरत होती है माँ,
भगवान की छवि कहलाती है माँ।

प्रतिक्षा तुळशीराम साबळे, प्रथम वर्ष, कला

लोकोक्तियाँ (कहावतें)

अंजुम मौलाली पटेल, प्रथम वर्ष कला

लोकोक्ति में लोक की उक्ति का भाव रहता है। मुहावरे की भाँति किसी एक का सामान्य अनुभव लोक का समर्थन प्राप्त कर लोकोक्ति का रूप धारण कर लेता है। वास्तव में लोकोक्ति संपूर्ण वाक्य होती है। उसे अर्थ की पूर्णता के लिए किन्हीं और शब्दों की सहायता की आवश्यकता नहीं होती। लोकोक्ति में शब्द विन्यास इस प्रकार का होता है कि उसमें परिवर्तन की ज़रा भी गुंजाइश नहीं होती। इसके अतिरिक्त इसमें सामान्य अनुभव के अनुसार जीवन की आलोचना होती है। ये लक्षणा, व्यंजना अथवा ध्वनि चमत्कार से संबंधित होती हैं। लोकोक्तियाँ तुकांतमय होती हैं। जैसे, “सौ सुनार की, एक लुहार की” इसमें संक्षिप्तता, भाव सबलता, संगीतमयता किसी-न-किसी अंश में देखी जा सकती है। इस प्रकार लोकोक्ति ज्ञान की एक परंपरा है जो लोक में सदा चलती आई है और इसी कारण इसको संप्रेषण की अद्भुत शक्ति प्राप्त हुई है।

लोकोक्तियों का विषय असीम है। जीवन का शायद ही कोई ऐसा पक्ष अछूता रह गया हो जिस पर लोक मानस ने अपना मंतव्य सूत्र न दिया हो। लोकोक्तियाँ मुख्यतः नीतिपरक हैं जिसमें जन जीवन के मार्गदर्शन के लिए बात कही गई है। उदाहरण के लिए - ‘अंधा बँटि रेवड़ी, फिर-फिर अपने को दे’, ‘अंधे आगे रोए, अपने नैन खोए’, ‘आगे नाथ न पीछे पगहा’, ‘ओखली में सिर दिया तो मूसलों से क्या डरना’, ‘कहाँ राजा भोज, कहाँ गंगू तेली’, ‘अधजल गगरी छलकत जाए’ आदि नीतिपरक लोकोक्तियाँ हैं। इसी प्रकार लोक व्यवहार, जातिगत विशेषताएँ, ऋतु, कृषि आदि विषयों पर लोकोक्तियों की रचना हुई है। ‘नाच न जाने आँगन टेढ़ा’, ‘न नौ मन तेल होगा, न राधा नाचेगी’, ‘नाइयों की बारात में सब ठाकुर ही ठाकुर’, ‘नौ कनौजिया तेरह चूल्हे’, ‘सावन के अंधे को हरा ही हरा सूझता है’, ‘घर की मुर्गी दाल बराबर’ आदि अनेक लोकोक्तियाँ हैं जिनका वर्गीकरण करना सरल नहीं है।

मुहावरे और लोकोक्तियाँ भाषा को प्रभावशाली और समृद्ध बनाने में बहुत सहायक होती हैं। मुहावरे अभिव्यक्ति को बल प्रदान करते हैं जबकि लोकोक्तियाँ उस अभिव्यक्ति को समर्थन देते हुए निष्कर्षात्मक विचार रखती हैं। मुहावरे खंड वाक्य या अपूर्ण विचार के वाहक होते हैं तो लोकोक्तियाँ पूर्ण होती हैं किन्तु संक्षिप्त वाक्य होती हैं तथा सम्पूर्ण विचार की वाहिका होती हैं।

हिंदी से मराठी कुछ रोचक लोकोक्तियाँ:

१. अधजल गगरी छलकत जात – उथळ पाण्याला खळखळाट फार.
२. अंधा पिसे कुत्ता खाएँ – आंधळं दळतं, कुत्रं पीठ खातं.
३. ऊँची दुकान फीके पकवान – बड़ा घर पोकळ वासा.
४. एक मछली सरे तलब को गंदा कर देती है – एक नासलेला आंबा साऱ्या आंब्यांना नासवतो.
५. चोर की दाडी में तिनका – चोराच्या मनात चांदणे.
६. नाच न जाने आँगन टेढ़ा – नाचता येईना अंगण वाकडे.
७. हाथ कंगन को आरसी क्या – हातच्या काकणाला आरसा कशाला?
८. आसमान से गिरा खजूर में अटका – आगीतून फुफाट्यात पडणे.
९. बूँद – बूँद से तालाब भारता है – थेंबे थेंबे तळे साचे.
१०. जैसे को तैसा – जशास तसे.
११. डूबते को तिनके का सहारा – बुडणाऱ्याला काडीचा आधार.
१२. जैसा बोओगे, वैसा पाओगे – जसे कराल, तसे भराल.
१३. जहाँ चाह, वहाँ राह – इच्छा तेथे मार्ग.
१४. जाँ गरजते हैं, वो बरसते नहीं – गर्जेल तो पडेल काय.
१५. घर का भेदिया लंका ढाए – कुंपणच शेत खाते.
१६. बंदर क्या जाने अदक का स्वाद – गाढवाला गुळाची चव काय.
१७. समय और मौका किसी के लिए नहीं रुकता – वेळ आणि संधी कोणासाठी थांबत नाही.
१८. चिराग तले अंधेरा – दिव्याखाली अंधार.
१९. मेहनत के बिना फल नहीं – कष्टाविना फळ नाही.
२०. चोर – चोर मौसेरे भाई – चोर – चोर साडू – साडू, उंदराला मांजर साक्ष.

मीडिया का समाज पर प्रभाव

समरीन युनूस शेख, प्रथम वर्ष वाणिज्य

समाज में मीडिया की भूमिका पर बात करने से पहले हमें यह जानना चाहिए कि मीडिया क्या है? मीडिया हमारे चारों ओर मौजूद है, टी. व्ही. सीरियल व शो जो हम देखते हैं, संगीत जो हम रेडियो पर सुनते हैं, पत्र एवं पत्रिकाएँ, जो हम रोज पढ़ते हैं। क्योंकि मीडिया हमारे काफी करीब रहता है। हमारे चारों ओर यह मौजूद है। तो निश्चित सी बात है, इसका प्रभाव भी हमारे समाज के ऊपर पड़ेगा ही।

हमें यह पता ही है कि देश गुलामी की जंजीरों में जकड़ा हुआ था, तब अंग्रेजी हुकूमत के पाँव उखाड़ने देश के अलग अलग क्षेत्रों में जनता को जागरूक करने के लिए एवं ब्रिटिश हुकूमत की असलियत जनता तक पहुँचाने के लिए पत्र – पत्रिकाओं व अखबारों ने आज़ादी की लड़ाई में कूद पड़ने एवं भारत माता को आज़ाद कराने के लिए कई तरह से जोश भरे व समाज के प्रति अपने उत्तरदायित्वों का बखूबी से निर्वहन भी किया। तब देश के अलग अलग क्षेत्रों से स्वराज्य, केसरी, कल, युगांतर, वन्दे मातरम, संध्या, भारतमाता ऐसी पत्र पत्रिकाओं ने लोगों के बीच देशभक्ति का पाठ लोगों को पढ़ाया और आज़ादी की लड़ाई में योगदान देने हेतु हमें जागरूक किया।

जब भी मीडिया और समाज की बात की जाती है तो मीडिया को समाज में जागरूकता पैदा करनेवाले एक साधन के रूप में देखा जाता है, जो कि लोगों को सही व गलत करने की दिशा में एक प्रेरक का कार्य करता नज़र आता है। जहाँ कहीं भी अन्याय है, शोषण है, अत्याचार, भ्रष्टाचार और छलना है उसे जनहित में उजागर करना पत्रकारिता का मर्म और धर्म है।

मीडिया समाज की आवाज़ सरकार तक पहुँचाने में उसका प्रतिनिधि बनता है। अब सवाल यह उठता है की वाकई मीडिया अथवा प्रेस जनता की आवाज़ है? आखिर वे जनता किसे मानते हैं उनके लिए शोषितों की आवाज़ उठाना ज्यादा महत्वपूर्ण है अथवा क्रिकेट की रिपोर्टिंग करना, आम आदमी के मुद्दे बड़े हैं या किसी सेलिब्रिटी की निजी ज़िंदगी?



मीडिया और सरकार के बीच के रिश्ते हमेशा अच्छे नहीं हो सकते क्योंकि मीडिया का काम ही है सरकारी कामकाज पर नज़र रखना। लेकिन वह सरकार को लोगों की समस्याओं, उनकी भावनाओं और उनकी माँगों से भी अवगत कराने का काम करता है

और यह मौका उपलब्ध करता है कि सरकार जन भावनाओं के अनुसार काम करें।

खबरों में नमक मिर्च लगाकर पेश करना और उसे चटखारेदार बनाने के प्रयासों में पत्रकारिता भटक जाती है। पुलिस जहाँ तथ्यों को दबाने के प्रयासों में होती है वहीं पत्रकार की कोशिश चीजों को अतिरंजित देखने की होती है, जबकि दोनों गलत हैं। आज भी पुलिस को देखकर समाज में भय व्याप्त होता है। इस छवि को बदलने में मीडिया बड़ी भूमिका निभा सकता है।

राजनैतिक स्वतंत्रता, शिक्षा का अधिकार, महिलाओं के अधिकार, दलितों के अधिकार जैसी अनेक श्रेणियाँ मानवाधिकारों में समाहित हैं। जिनके बारे में जागरूक करने का काम मीडिया करती है। मीडिया के द्वारा आम लोगों को अपने देश में क्या क्या समस्या है, किस क्षेत्र में अपना देश आगे है, हमें किस तरह से जागरूक रहना है इन सभी बातों का ज्ञान मिलता है।

मीडिया ने हमारे समाज को हर क्षेत्र में प्रभावित किया है, यदि मीडिया समाज के प्रति अपनी जिम्मेदारी को समझते हुए सत्य की रह पर चले तो उस समाज और राष्ट्र का कोई बाल भी बाँका नहीं कर सकता है, लेकिन अगर मीडिया ने असत्य की रह पकड़ ली तो समाज व राष्ट्र का विनाश तय है।

रोमांचक जानकारी

विनीता कुमारी, प्रथम वर्ष, वाणिज्य

1. लंडन में अरबपती रहते हैं, जो किसी भी एक शहर में रहनेवाले अरबपती से ज्यादा है।
2. पहले साल में कोका कोला की सिर्फ कुल २५ बोतल ही बिकी थी। यह एक अच्छा उदहारण है कि असफलता मिलने पर काम बंद नहीं करना चाहिए।
3. भारत में हर साल अमेरिका से दो गुने इंजीनियर बनते हैं।
4. आपके पेट में एक दूसरा दिमाग होता है जिसे एनट्रिक नर्वस सिस्टम कहते हैं। इसी से अंग्रेजी में कही जाने वाली 'गट फीलिंग' आती है।
5. बिल्लियाँ अपने चेहरे को अगर किसी चीज़ से घिसती हैं तो उसका मतलब है की वो उसे अपनी चीज़ समझती है।
6. Guinness Book of World Records में दर्ज नामों में भारतीयों की संख्या तीसरे नम्बर पर है।
7. हर दिन 30 मिनट व्यायाम आपको 10 प्रतिशत अधिक स्मार्ट बनाता है।
8. दुनिया में सबसे ज्यादा रोल्स रॉयस कारें हाँगकॉंग शहर में हैं, इसे सिटी ऑफ रोल्स – रॉयस भी कहा जाता है।
9. बुद्धिमान लोग सामान्य लोगों की तुलना में बहुत जल्दी गुस्सा हो जाते हैं।

| मॉडर्न एव जयते |

जयते, जयते, विजयते

मॉडर्न एव जयते

मॉडर्न एव जयते |

मुक्त हस्त लुटता लुटाता, विद्याधन संस्कृतिसे जोड़ता,

ज्ञानकी होड़ में दौड़ता,

युवकोंको सम्मान दिलाता,

होनहार छात्रोंकी प्रगती का यश गीत गाता;

त्वमेव मॉडर्न भाग्य विधाता,

तव घोषो गीयते

जयते, जयते, विजयते |

मॉडर्न एव जयते

मॉडर्न एव जयते ||

तमहर सपनोंका तू ही विधाता, उजले पथ का तुम उद्गाता,

आशा की पुलीन का धाता, तुम संस्कृती संस्करण कर्ता,

कार्य, गतिविधियोंका स्रष्टा, नित्य नवता का निर्माता;

त्वमेव निधानं वर्तसे,

जयते, जयते, विजयते |

मॉडर्न एव जयते

मॉडर्न एव जयते ||

अनेक शाखा, अनेक पथ है, व्यक्तिमत्त्व विकास का रथ है,

राष्ट्रपति सम्मान¹ यहाँ है, अँटीव्हायरस² की खोज यहाँ है,

संगीत, कला का मान यहाँ है, नित्य उन्नत माथा;

त्वमेव शरणं विद्यसे,

जयते, जयते, विजयते |

मॉडर्न एव जयते

मॉडर्न एव जयते ||

उज्ज्वला दीक्षित, मराठी संशोधन केंद्र

जानकारी के लिये महत्वपूर्ण: १. श्रीमान सदानंद दातेजी को (मॉडर्न महाविद्यालय के माजी विद्यार्थी) राष्ट्रपति सम्मान मिला था। २. श्रीमान संजय काटकरजी ने Quick Heal अँटीव्हायरस संगणक प्रणाली निर्माण की है।

मॉडर्न गीत

विद्या विभव से विराजित है, प्रोग्रेसिव्ह मॉडर्न |

उत्तमता की लगन हो जहाँ, वो समजो मॉडर्न ||

‘ज्ञानमयो भव’ लक्ष्य बक्ष के नीव राखी जबसे |

ताटके जी से मिली प्रेरणा प्रकाशपथ तबसे ||

मुश्किलोंको लांघनेवाली वो छल्लाँग हम है |

छात्र देश विदेश में चमके वो उडान हम है ||

पेटेंट्स है बहते झरने यहाँ के अन्वेषण है जान |

मैदानोंपर संगणकपर दीपशिखा महान ||

प्रतियोगिता, गतिविधियोंका नित्य यहाँ सम्मान |

विद्यापीठ के बक्षिसों से विलसे इसकी शान ||

नैक अचंबित, छात्र हो पुलकित जोश, जोश में प्राण |

गौरव जिसका सरताज हो मॉडर्न संस्था की जान ||

सरस्वती माँ का दिव्य आशीष डॉक्टर जी ने पाया |

चैतन्यमयी अमृतकलश करकमलों में सौंपाया ||

सुवर्ण महोत्सवी दिन है आये, हेमकांती माहौल |

पुण्यनगरीपर सुविद्यजनोंपर मॉडर्न मुहर अनमोल ||

जाने हम कब बदल गये

खामोशी के पन्नों पर बचपन की

याद लिख दे,

इन अनसुनी राहों पर आज कोई

फरियाद लिख दे।

वो कोमल सी निष्पाप हँसी,

वो खिलखिलाता – सा मन,

ना जाने इन यादों में, कैसे खो गया

बचपन।

पलट कर देख वहीं महका

समा है,

यादों की करवटों में झूमता

जहाँ है।

बचपन की डोर ने जाने कितने

रिश्ते हैं बांधे,

प्यार से, मासूम गाँठ है

बाँधी,

आजाद था मन, आजाद थे

हम,

दुःख, पीड़ा, ईर्ष्या, द्वेष, कहाँ जाने थे

हम।

दोस्तों की बातों की नजदीकियाँ

बन जाती थी,

आपसी तकरार जीवन की नवनिधि

बन जाती थी।

क्या थे वो दिन बस यूँ ही

गुजर गए,

गुमनाम इन राहों में,

जाने हम कब बदल गए।

यादों का संचार है,

जिन पर हमें अभिमान है,

इन यादों को आज मेरा सलाम है,

जिन यादों में डूबता ये

जहाँ है।

राहुल गुप्ता, प्रथम वर्ष वाणिज्य

स्नेहल सूर्यकांत तिवडे, प्रथम वर्ष कला

प्रस्तावना:

किसी भी लिपि का 'वर्तनी' एक महत्वपूर्ण पक्ष होता है। 'लिपि' भाषा को दृश्य रूप देती है। भाषा में कुछ भाषाएँ देवनागरी लिपि में लिखी जाती हैं। स्वतन्त्र भारत के संविधान द्वारा तो हिंदी और देवनागरी की अभिन्नता पर मोहर ही लगा दी गई है – भारतीय संविधान के अनुच्छेद ३६३, भाग – एक, खंड – क में कहा गया है – “भारत संघ की राजभाषा ‘हिंदी’ और लिपि ‘देवनागरी’ होगी”।

भारतवर्ष में अनेक लिपियाँ प्रचलित हैं। रोमन और अरबी लिपियों को छोड़कर शेष का उद्गम भारत में ही हुआ है। संस्कृत, हिंदी, नेपाली और मराठी के लिए सदैव ही देवनागरी का प्रयोग होता रहा है। आज जिस प्रकार हिंदी व्यापक भाषा है, उसी प्रकार देवनागरी लिपि भी अन्य भारतीय लिपियों के समान देवनागरी लिपि का विकास 'ब्राम्ही लिपि' में हुआ है। आगे चलकर उत्तरी ब्राम्ही लिपि को 'गुप्त लिपि' कहा गया। 'गुप्त लिपि' के विकसित रूप को ही आगे चलकर 'कुटिल' नाम दिया गया। इसी लिपि से देवनागरी लिपि का विकास हुआ है। अतः १०वीं शताब्दी देवनागरी लिपि का जन्म काल कहा जा सकता है।

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१) देवनागरी का नामकरण:

इस लिपि को 'देवनागरी' नाम क्यों पड़ा, इस बारे में विद्वानों ने कई मत अभिव्यक्त किए हैं। जैसे –

अ) गुजरात के नागर ब्राह्मणी द्वारा प्रयुक्त होने के कारण 'नागरी' नाम पड़ा।

ब) देवनगर अर्थात् काशी में प्रचारित होने के कारण 'देवनागरी' कहलाई और बाद में नागरी हो गई।

क) तांत्रिक चिन्ह 'देवनागर' से समानता होने के कारण इसे 'देवनागरी' और फिर 'नागरी' कहा गया।

ड) देवभाषा संस्कृत की लिपि होने के कारण इसे 'देवनागरी' कहा गया।

२) देवनागरी लिपि का विकास:

इस लिपि का सर्वप्रथम प्रयोग गुजरात के 'नरेश जय भट्ट' (७०० - ८०० ई) के एक शिलालेख में मिलता है। आठवी और नौवीं शताब्दी में क्रमशः राष्ट्रकूट नरेशी और बड़ोदा के धुवराज ने अपने देश में इस लिपि का प्रयोग किया था। इसी को आठवी शताब्दि से अठारवी शताब्दि तक देवनागरी लिपि मवाद के गुहेलवंशी राजा, मारवाड के परिहार राजा, मध्यप्रदेश के हैद्यवंशी राजा, कन्नौज के गहरवाड तथा गुजरात के सोलंकी राजाओं में प्रचलित रहीं। ११ वीं से १३ वीं शताब्दी तक समूचे देश में संस्कृत लिखने के लिए देवनागरी लिपि का प्रयोग होता था। १४ वीं से १७ वीं शताब्दी तक राजकीय कार्य शिलालेख, दानपत्रों आदि में नागरी का प्रयोग कम होने लगा क्योंकि मुसलमानों के शासन में फारसी को राजकीय भाषा बनाने पर अधिकाधिक प्रयोग किया।

छापेखाने में देवनागरी का प्रथम प्रयोग १६७८ ई. में माना जाता है। १८ वीं शताब्दी में नागरी आज की नागरी से भिन्न नहीं है। आधुनिक काल में देवनागरी लिपि का प्रयोग मुख्यतः साहित्य और शिक्षा में होने लगा। सन् १९१२ और सन् १९१३ में क्रमशः कोलकाता और भागलपुर में हिंदी साहित्य सम्मेलन के अधिवेशनों में लिपि – सुधार पर चर्चा हुई। इनमें ‘ख’ में ‘र’ और ‘व’ के भ्रम तथा ‘श’ और ‘प’ के भ्रम को दूर करने के लिए विचार विमर्श हुआ। ‘रा’ के स्थान पर ‘न’ और ‘ण’ लिखने जि, जी, जु, जू, अ, ऐ, औ आदि लिखने के लिए सुझाव दिए गए। देवनागरी लिपि में सुधार की यह प्रक्रिया सन् १९३८ तक निरंतर चलती रही। १९५३ ई. में उत्तर प्रदेश सरकार ने देवनागरी लिपि के सुधार के लिए लखनऊ में ‘डॉ. राधाकृष्णन’ की अध्यक्षता में एक समिति का गठन किया। १९६७ में ‘देवनागरी लिपि’ तथा हिंदी वर्तनी का मानकीकरण नामक पुस्तिका के रूप में उदाहरण सहित प्रकाशित किया।

४) देवनागरी लिपि की विशेषताएँ और महत्त्व:

अन्य लिपियों की तुलना में देवनागरी लिपि श्रेष्ठतर है उसकी विशेषताओं के कारण देवनागरी में अगर 'स' ध्वनि है तो उसके उच्चारण के अनुसार ही लेखन में 'स' ही प्रयोग होता है। परन्तु अंग्रेजी भाषा के लिए प्रयुक्त रोमन लिपि में 'श' को व्यक्त करने के लिए चौदह चिह्न मिलते हैं। देवनागरी लिपि में सभी स्वरों के ऋस्व और दीर्घ रूप के लिए अलग अलग संकेत चिह्न हैं।

देवनागरी लिपि में एक सांकेतिक चिह्न से एकही ध्वनी का बोध होता है। यह स्थिरता रोमन लिपि में नहीं है। ध्वनियों के लिए देवनागरी में ध्वनी चिह्न नहीं है। जैसे अरबी – फारसी के ध्वनियों के लिए क, ख, ग, अंग्रेजी के लिए अ आदि। देवनागरी लिपि में एक वैज्ञानिक क्रमबद्धता दिखाई देती है। देवनागरी लिपि में ५२ वर्ण हैं। रोमन लिपि में २६ वर्ण है, जिनमें १२ मूल स्वर तथा १४ व्यंजन हैं। अंग्रेजी में कुल स्वर ध्वनियाँ २१ हैं और उसको व्यक्त करने के

लिए मात्र १२ ध्वनि चिह्न। ठीक यही स्थिति व्यंजनों की भी है। हिंदी के श, च, ड, द, थ के लिए रोमन लिपि में कोई ध्वनि चिह्न नहीं है। देवनागरी लिपि में उच्चारण और लेखन में एकरूपता है जो अन्य लिपियों में नहीं मिलती। इस लिपि में स्पष्टता इतनी है कि उच्चारित ध्वनियाँ ही लिखी जाती हैं। अंग्रेजी के अनेक शब्दों में आदि तथा मध्यवर्ती ध्वनियाँ उच्चारित नहीं होती हैं। रोमन लिपि की भाँति इस लिपि की वर्णमाला तीन तरह की नहीं है। इससे सीखने में सरलता होती है। अंग्रेजी में वाक्य का पहला अक्षर 'कैपिटल' में लिखना होता है। उदाहरण – डॉक्टरों द्वारा लिखकर दी जानेवाली दवाओं की चिट्ठियाँ होती हैं, जो या तो वह पढ़ सकता है दूसरा खुदा और तीसरा दवाई का दुकानदार।

व्यावहारिक उपयोगिता की दृष्टि से विचार करें तो रोमन लिपि में टंकण, मुद्रण, दूरमुद्रण आदि की बहुविध यांत्रिक सुविधाएँ उपलब्ध होने के कारण बहुत से विद्वान् इसका जोरदार समर्थन करते हैं। परन्तु आज यही सभी सुविधाएँ देवनागरी में उपलब्ध हो रही हैं। टंकलेखन में आज बड़ी सहजता तथा सफलता के साथ देवनागरी लिपि का प्रयोग किया जा रहा है। रोमन लिपि में लेखन और मुद्रण (लिखाई और छपाई) में अंतर आ जाता है। देवनागरी में इस प्रकार की कोई भिन्नता नहीं। डॉ. रामेश्वरदयाल अग्रवाल ने इसकी और संकेत करते हुए लिखा है – “अंग्रेज बच्चों की प्राथमिक शिक्षा जहाँ दो – ढाई वर्ष में पूरी होती है, वहाँ उसी स्तर का

भारतीय विद्यार्थी देवनागरी के माध्यम से हिंदी आदि भाषाएँ दो – ढाई मास में लिख पढ़ लेता है। यह लिपि की विशेषता ही कही जाएगी”।

इस समय प्रचलित भारत की लिपियों में यह सर्वाधिक प्राचीन है। हजारों वर्ष प्राचीन वैदिक वाङ्मय, उपनिषद्, दर्शन, पुराण, संस्कृत का विपुल साहित्य, साहित्यशास्त्र, प्राकृत तथा अपभ्रंश की असंख्य रचनाएँ देवनागरी लिपि में प्राप्त हैं। कहा जाता है कि एक पाश्चात्य भाषाशास्त्री ने देवनागरी लिपि की वैज्ञानिकता का पता लगाने के लिए देवनागरी लिपि को डॉ. सुनीतिकुमार चटर्जी, श्रीनिवास जी, डॉ. गोरख प्रसाद आदि विद्वान् भाषा विज्ञान नेताओं ने वैज्ञानिक और सर्वव्यापक बनाने के लिए प्रयास लिया। साथ ही भारत की कुछ संस्थाओं ने तथा महात्मा गांधी और काका कालेलकर ने बहुत प्रयत्नों से देवनागरी का महत्त्व लोगों तक पहुँचाया। अक्षरों के मिट्टी के प्रतिरूप तैयार किए। जब उसने उसमें हवा फूँकी तो वह यह जानकर आश्चर्यचकित रह गया कि ‘अ’ ध्वनि ‘अ’ प्रतिरूप में से आई और ‘आ’ की ध्वनि ‘आ’ प्रतिरूप से निर्गत हुई।

देवनागरी लिपि लिखावट में सुन्दरता, सुडौलता तथा कलात्मक लिए हुए है। वर्ण की बुनावट में ‘पाई’ की पद्धति इसे सरलता से सीखने में सहायता देती है।

Photographs
by
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प्राणी बचाओ

स्नेहल सूर्यकांत तिवड़े, प्रथम वर्ष कला

इस दुनिया में दो प्रकार के प्राणी हैं। एक तो 'मानव प्राणी' जो कि हम और दूसरे प्रकार के प्राणी मतलब 'जानवर'। मेरी यह बात थोड़ी अलग विषय से सम्बंधित है। मेरी बात 'जानवर' यानि कुत्ता, बिल्ली, पक्षी और सब प्राणी उनसे सम्बंधित है। प्राणी और इन्सान दोनों में भी जान होती है। दोनों में बहुत सी समानताएँ हैं। मुझे प्राणियों से बहुत लगाव है। मेरे मन में बहुत बार प्राणियों के विषय में विचार आते हैं।



प्राणी ऐसे होते हैं जो कि इन्सान से बहुत अच्छे होते हैं। आपसे प्यार करते हैं और मुख्य बात इन्सानों की तरह धोका तो बिलकुल नहीं देते। इन्सानों के लिए दुनिया में बहुत सी सुविधाएँ हैं और होनी भी चाहिए पर प्राणियों का भी उतना ही हक बनता है। रात के समय में जब इन्सान नशे की हालत में गाड़ी चलते हैं, किसी इन्सान को गाड़ी से उडा देते हैं, तब उसपर कारवाई होती है। पर यही एक कुत्ते को गाड़ी से उडाकर चला जाता है तो कारवाई तो दूर की बात वो कुत्ते को अस्पताल तो क्या उसे चार चार दिन सड़क पर ही पड़ा छोड़ते हैं। फिर चार दिन बाद उसे उठाकर कचरे में फेंकते हैं। ऐसा क्यों? क्योंकि वो एक कुत्ता तो है। पर हम भूल जाते हैं कि उसमें भी जान है। जानवर की यही गलती होती है क्या, कि वो दो निवाले के लिए सब जगह घूमता है? या एक बूंद पानी के लिए सब जगह घूमता है? टी. व्ही. में न्यूज देखी थी कि कुत्तों की संख्या बहुत बढ़ गई है, उनके उपर कारवाई चल रही है कि उन कुत्तों का क्या करें। पर सरकार ने कभी जानवरों के फायदे के लिए

कदम उठाया हो, ऐसा तो मैंने नहीं सुना। सरकार इन्सानों का दर्द नहीं समझती, तो जानवरों का थोड़ी समझनेवाली है? लोग अक्सर जानवरों को मारते हैं। ऐसे ही मझे के लिए मरते हैं, पीटते हैं, नशे की हालत में मार भी डालते हैं। पर इस बात पर कोई नहीं सोचता। पर प्राणी विभाग के अलावा जानवरों के लिए कोई नहीं सोचता।

इसपर सरकार ने जानवरों के खाने के लिए पहला प्रबंध करना चाहिए, फिर उन पर हो रही दुर्घटनाओं पर विचार करना चाहिए। हमारा भी फर्ज है कि कहीं कोई जानवर मर रहा है या किसी दुर्घटना का शिकार हुआ है तो या प्राणी विभाग को सूचित करें अथवा उसे जानवरों के अस्पताल में ले जाएँ। घर के पास यदि कोई जानवर हो तो उसे खाना खिलाना चाहिए। बचा हुआ खाना फेंक देने से अच्छा होता है यदि हम किसी जानवर को खिला दें। हमें अपने मौज मस्ती के लिए जानवरों को मारना या सताना नहीं चाहिए, वो बोल नहीं सकते जिस वजह से वे अपनी तकलीफ को बयाँ नहीं कर सकते। हालाँकि हम देखते हैं पंछियों की तादाद बहुत कम होती जा रही है, जिसके जिम्मेदार हम ही हैं। सरकार ने दुर्घटना में मर रहे पशु पक्षियों को बचाने के लिए 'पशु पक्षी सेवा केंद्र' स्थापित करने चाहिए। हमें भी जानवरों को बचाने के सार्थक प्रयास करने चाहिए। कोई मदद करे या ना करे हमें अपने फर्ज निभाने चाहिए। जानवर हमसे कुछ नहीं माँगते वे हमसे सिर्फ स्नेह रखते हैं। मैं एक विद्यार्थिनी हूँ, अपनी पढाई पूरी कर रही हूँ। नौकरी नहीं इसलिए जानवरों के प्रति मेरा योगदान या मदद कम पड़ रही है। आगे जाकर ज़रूर मैं जानवरों के लिए मदद प्रदान करूँगी। आप भी मदद करें। इस लेख के माध्यम से मैं आप सब से यही निवेदन करना चाहती हूँ कि पशु – पक्षी भी इस सृष्टि का एक महत्वपूर्ण अंग हैं जिनकी रक्षा करना हमारा फर्ज है। कौन क्या कर रहा है, किसकी क्या प्रतिक्रिया है इन सब बातों में समय व्यर्थ करने से अच्छा है कि हम अपना योगदान प्राणी बचाने के प्रयास में दें।

Sketches by Vishwajeet Jaybhaye, T.Y.B.Sc. Zoology





NAAC PEER TEAM VISIT 19th -21st DEC 2016 : CAPTURED MOMENTS



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