



संस्कृती

२०१५-२०१६

The Magazine of
K J Somaia College of Science & Commerce

Autonomous - Affiliated to University of Mumbai
Re-accredited by NAAC with 'A' Grade with CGPA 3.24

Campus



Prayer

ॐ

ॐ पूर्णमदः पूर्णमिदं पूर्णात् पूर्णमुदच्यते ।
पूर्णस्य पूर्णमादाय पूर्णमेवावशिष्यते ॥१॥

1. OM. Whole is that (Brahman), whole also is this (world). From whole comes the whole; take whole from whole; (yet) whole remains.

ॐ ईशावास्यमिदं सर्वं यत् किं च जगत्यां जगत् ।
तेन त्यक्तेन भुञ्जीथा मा गृधः कस्य स्विच्छन्म ॥२॥

2. OM. Whatever exists in this world is to be enveloped by God. (the Ruler). By renouncing it (the world) thou mayst enjoy. Do not covet the riches of any one.

मूकं करोति वाचालं पङ्गुं लघयते गिरिम् ।
यत्कृपा त्तमहं वन्दे परमानन्दमाधवम् ॥३॥

3. I bow down to Madhava, the Bliss Eternal; to Him whose grace enables the dumb to speak (and) the lame to go across a mountain.

ॐ प्रणो देवी सरस्वती वाजेभिर्वाजिनीवती धीनामवित्र्यवतु ।
ॐ चोदयित्री सूनृतानां चेतन्ती सुमतीनाम् । यज्ञं दधे सरस्वती ॥४॥

4. OM. May Sarasvati, the Divine, protect us by her strength-giving favours, she who is rich in strength-giving favours, the protector of our thoughts. Sarasvati, who inspires hymns and promotes pious thoughts, brings about our sacrifice.

ॐ असतो मा सद्गमय । तमसो मा ज्योतिर्गमय ।
मृत्योर्माऽमृतं गमय ॥५॥

5. OM. From the unreal lead me to the real. From darkness lead me to light. From death lead me to immortality.

ॐ सहनाववतु सहनौ भुनक्तु सहवीर्यं करवावहै ।
तेजस्विनावधीतमस्तु, मा विद्विषावहै ॥६॥

6. OM. May God protect us both at the same time; at the same time support us both; May both of us at the same time apply (our) strength. May our learning be illustrious. May there be no hatred (between us).

सर्वेऽत्र सुखिनः सन्तु सर्वे सन्तु निरामयाः ।
सर्वे भद्राणि पश्यन्तु मा कश्चिद् दुःखमाप्नुयात् ॥७॥

7. May all here be happy. May all be free from disease. May all see well-being. May nobody experience misery.

ॐ शांतिः । शांतिः । शांतिः ॥
OM. Peace, Peace, Peace.

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Padmabhushan
(Late) Puja Shri Karamshi J. Somaiya
(May 16, 1902 – May 9, 1999)

Message from the Founder

My Dear Young Students

Welcome to the Institutions of Vidyavihar!

Your finest hour is here. The future belongs to you.

Let us all zealously work together and dedicate ourselves to build India of our dreams.

Remember, nothing was ever achieved without hard work. Be bold but be not bowled over.

Let truth and duty be our watchwords. Never despair in the face of setbacks.

Keep courage and continue to work with fortitude.

Have faith in yourselves and in the Almighty.

Strive for your goals and the future is yours!

Mission

Equip the student with knowledge and skills of their chosen vocation, inculcate values, provide them opportunities for all-round growth and prepare them for life.

Vision

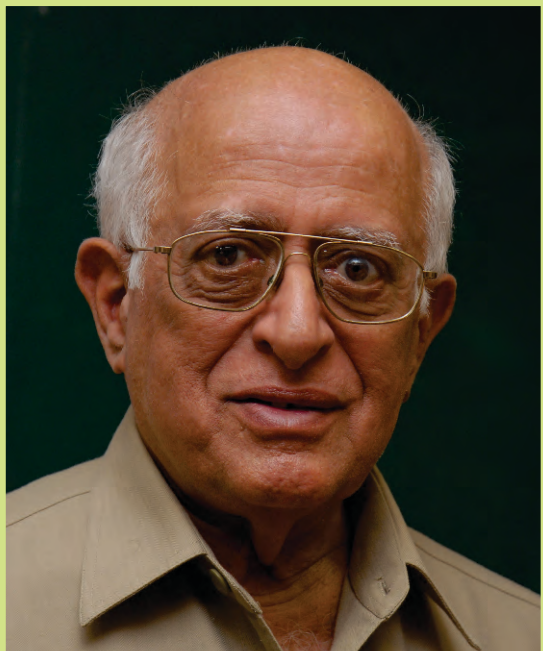
Service to mankind
Understand and respond to the needs of modern Science and Technology
Provide a sound spiritual foundation to match into the future.
Provide opportunities for all-round development of individuals

Vision Statement

- 1) To equip the students with advanced knowledge and skills in their chosen vocation
- 2) To provide value-based education and opportunities to students to help them to face challenges in life
- 3) To nurture a scientific attitude, temperament and culture among the students
- 4) To continually review, develop and renew the approach to build India of the Founder's dream

Goals And Objectives

- 1) To build a strong Academia-Industry bridge.
- 2) To provide flexibility in the courses offered and proactively adapt to the changing needs of students and the society
- 3) To establish a center for multidisciplinary activities
- 4) To mould individuals who would nurture the cultural heritage of our country and contribute to the betterment of the society



Our Inspiration.....

**The Great Visionary and
Transformational Leader,**

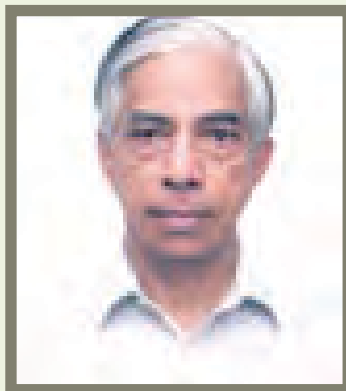
Dr Shantilal Somaiya
29- 12- 1927 to 01- 01- 2010



Shri Samir Somaiya
Vice President, Somaiya Vidyavihar
Chairman, Somaiya trust
Mumbai



Smt Leelaben Kotak
Trustee
Somaiya Vidyavihar



Shri V Ranganathan
Hon Secretary,
Somaiya Vidyavihar

15 Reasons to join K. J. Somaiya College of Science and Commerce

1. Brand Name : Somaiya is a brand name in the higher education.

2. Autonomous Status : The College was conferred Autonomous Status by UGC and University of Mumbai. College is known for its academic flexibilities. There are innumerable combinations which you can choose from. More than 10 elective courses on foreign languages, immersion experience, dual degree, Honours programmes, sports as a credit course.

3. Accreditation : K. J. Somaiya College of Science and Commerce has got accredited by National Assessment & Accreditation Council (NAAC) with “A” Grade in 2004 and re-accredited with “A” Grade (CGPA 3.21) in 2010.

4. Awards and Grants :

The College has been adjudged as the Best College of University of Mumbai in the Urban Category. Recipient of FIST grant from DST, STAR college Status from DBT this year.

5. Transparent Admission process : Admissions only on merit. We do not take any donation or capitation fee.

6. Most sought after college : 25 students compete for each seat at K. J. Somaiya College of Science and Commerce.

7. Strong Alumni : Over last 50 years Somaiya Vidyavihar produced thousands of successful graduates contributing to various development taking place all over the world.

8. Scholarships : Merit-cum-need-based scholarship the students.

9. Staff : Students friendly, experienced, dedicated staff.

10. Synergy : Synergy of 35 institutions from various discipline.

11. Innovation incubator : End to end guidance to foster innovative ideas in to company.

12. Vibrant campus life : Many festivals, workshop like Kabir Festival, Dnace Festival, Vigyan Yagna, Vibes, Tarang etc.

13. Conducive Environment : Conducive environment for teaching and learning.

14. Dual Assessment : Dual blind assessment for Accurate Results.

15. Secure Campus : Round the clock security and guarded environment.

Editorial

We are what our thoughts have made us; so take care about what you think. Words are secondary. Thoughts live; they travel far.

-Swami Vivekananda

These powerful words of Swami Vivekananda reverberate in the mind. They are a message to the entire humanity and more so to the future of the human race; our very own youth. Our youth hold the keys to the nation's development. Education becomes instrumental for this mammoth purpose.

Our nation is an exquisite mosaic of diverse cultures. The beauty of our country lies in the unity in such a diversity. It is the responsibility of the young men and women to work and preserve the unity notwithstanding the turbulence.

Progress begins with the right thought. The youth of today is sensitized about whatever happens around. They need the right guidance to serve as a guiding star. Once their thinking is channelized, they become unbeatable in the midst of all odds.

We are proud to belong to an institution founded by stalwarts who believed in inculcating moral values as well as imparting quality education. Our students get a chance to articulate their views and opinions about social and political issues as well as human values through our college magazine, Sanskriti. They talk about myriad subjects; be it friendship, nature, the current selfie fad, science, technology etc. Besides this, we have also incorporated the various activities of departments and committees.

Our staff(teaching and non teaching) along with our dear students worked with zeal and enthusiasm and have helped in achieving the "Centre For Potential For Excellence" for our institute under the skillful guidance of our Principal, Dr. Vijay Joshi. I wish to thank Principal Sir, our Vice Principal Dr. Pradnya Prabhu, our Deans, Dr. Samidha Pawaskar, Dr. Sugandha Shetye and Prof. Subhash Krishnan for their support.

On behalf of the magazine committee, I thank all the staff and students for their co operation in bringing out this magazine. We hope that this issue will be a pleasant read.

Mrs. Reema Khanna



SPECIAL EVENTS



ACHIEVERS

First Reaccreditation Under Autonomy – NAAC Peer Team Visit Report

One of the important mechanisms for achieving success is periodically – STEP BACK AND OBSERVE. A painter, after few strokes, takes a step back and observes his own painting. That's how he understands where the further strokes have to be and whether the earlier strokes need any correction. That's what Introspection is all about- stepping back and observing your own work with Self-Appreciation and Self-Criticism. This also holds true for an organisation and this opportunity is provided to Educational Institutions by National Assessment and Accreditation Council. It allows you to send the Self assessment report and then the peer team verifies your claims and helps you introspect.

Under the aegis of the University of Mumbai K.J.Somaiya College of Science and Commerce had been accredited with A grade in 2004 and reaccredited in 2010 again with an A grade. However after having acclaimed the Autonomous status in the academic year 2012-13, it was the first opportunity for Introspection and the Institute with all its members was geared up to welcome the NAAC Peer Team to the Institute on 21st, 22nd, and 23rd April 2016. The members of the Peer team were renowned and distinguished educationists –

- Prof. Dr. Arabinda Kumar Das -Chairperson
(Former Vice-Chancellor, Kalyani University, Kalyani, West Bengal.)
- Prof. B.D.Singh – Member
(Emeritus Professor, Department of Biotechnology, Banaras Hindu University, Varanasi.)
- Prof. M.Jezer Jebanesan –Member Co-ordinator
(Principal, Scott Christian College- Autonomous, Nagercoil, Tamil Nadu)

The Peer Team members were welcomed in the Institute on 21st April at 8.00 am. With the Guard of Honour by the 1 MAH BN NCC cadets followed by a traditional welcome. The Heads of All the Departments welcomed the Peer team Members and introduced themselves. This was followed by Principal, Dr. Vijay Joshi's presentation highlighting the Institute's policies, initiatives, accolades and achievements of staff and students. The Peer team then visited the Department of Chemistry. The interaction with IQAC team following it and presentation by Dr. Pradnya Prabhu, IQAC Co-

ordinator was well received and appreciated. This was then followed by visits to the Departments of Biochemistry and Physics, followed by demonstration of OFFEE in the Display Gallery. The Peer team then visited the Departments of Zoology and Botany.

The first phase of visits came to an end with the Luncheon meeting with Dr. Sanjay Deshmukh, Vice-Chancellor, University of Mumbai and Management Representatives Shri. V.Rangnathan, Hon. Secretary, Somaiya Vidyavihar, Smt. Leelaben Kotak, Trustee, Somaiya Vidyavihar, Dr. Rajan Wellukar, Provost, Somaiya Vidyavihar.

This was then followed with visit to the Examination cell and presentation by the Controller of Examination, Prof. Subhash Krishnan. The visits to the departments in the second session were then split between the three peer team members. Prof. Dr. Arabinda Kumar Das, Chairperson visited the Departments of Geology, Statistics and Mathematics. He was accompanied by Dr. Chandana Basu. Prof. B.D.Singh accompanied by Dr. Lolly Jain visited Departments of Microbiology, Biotechnology and Computer Science. Prof. M.Jezer Jebanesan, Member Co-ordinator attended to all the presentations of Commerce Departments- Commerce, Economics, Accountancy and Business Communication in the Seminar Hall. Dr. Vikrant Deshmukh was in charge of these presentations.

This was then followed by visit to the Library by all the three Peer team members. The Peer team then interacted with the students, parents and alumni in the Seminar Hall. After a short tea and refreshment break they proceeded to the Smt. Sakharben Karamshi Somaiya Sabhagriha where the Cultural Forum Committee of the college had organised a scintillating display of sports talents, traditional cultural diversity of our country and our state Maharashtra. It was very much applauded by the Peer Team Members and was well attended by all the teaching staff, non-teaching staff and students.

The first day of the visit then came to an end with the Peer Team members' dinner with Principals of the various colleges in Mumbai. The second day of the visit began with visit to Police colony where the NSS students have been engaged in maintaining the cleanliness, educating the residents and many more such reforming activities. The NAAC Peer team

interacted with the residents there and appreciated the efforts of NSS students and their Co-ordinator, Prof. D.G.Phondekar. The Peer team then reached college by 9.00 am and were directly led to the Exhibition-GLIMPSES where all the different committees had showcased the photographs and reports in brief of all the programs conducted during the period of last 5 years. The members were then shown the PHYTORID waste Treatment plant, Biogas generation facility and the Botanical Garden maintained by the Department of Botany. They also were shown the Vermicomposting plant on the campus.

The visits from here on were again split between the three members. Prof. Dr. Arabinda Kumar Das, Chairperson accompanied by Dr. Chandana Basu visited the Department of Environmental Science, the Incubation Centre, RiIDL, the Health Centre at Engineering College and the different Sports facilities such as Badminton Court, Squash Court, Athletics Track, Volleyball Court, Basketball Court, etc. Prof. B.D.Singh accompanied by Dr. Vikrant Deshmukh paid a visit to RST/GIS Centre, Department of IT, Nutraceuticals, and Suruchi Canteen. Prof. M.Jezer Jebanesan visited the Department of Unaided Commerce section and was then shown around the Polytechnic Hostel, polytechnic mess, Guest House, International Hostel, International Mess, Management Canteen and Athletics Track by Dr. Lolly Jain, Prof. Subhash Krishnan and Prof. Sunderrajan.

All the Peer Team members then gathered in the board room of the college for sumptuous Lunch arranged by the hospitality committee led by Dr. Veena Srivastava, and assisted by Prof. Chitra Trehan, Dr. Smita Paranjape, Mrs. Hemlatta Chakraborty and Dr. Ritwika Chakraborty.

Following Lunch they attended to the presentations made by Convenors/members of Cultural Forum, NSS, NCC, Data Centre, DLLE, Gymkhana and Administrative office in the Board room of the college. This was then followed by interaction with the non-teaching staff of the college and visit to the Administrative office. The Peer team members then spent about an hour for checking documentary evidence. They then proceeded to the Seminar Hall to interact with the Curriculum Development Cell members and Academic members and Research Cell members of the college.

Thus came to an end the Second day of the visit.

The accommodation facilities for the NAAC peer team members was well coordinated by Prof. Prashant Shah

and Dr. Ajit Katdare. The secretarial support was provided efficiently by Mr. Yashwant Athavale. The technical support for presentation arrangements was well handled by Mr. Prakash, Mr. Shantilal and Mr. Avinash.

The NAAC Peer team was received in the college on the third day for the Exit meeting at 9.00 am. Principal Dr. Vijay Joshi welcomed all the members of the Peer Team. The report was handed over to Principal Dr. Vijay Joshi by the NAAC Peer Team. Prof. Dr. Arabinda Kumar Das, Chairperson then addressed the teaching and non-teaching staff. He remarked that K.J.Somaiya College of Science and Commerce is an enlightened Institute with visionary management, dynamic Principal, motivated and passionate teachers, disciplined and vibrant students and dedicated support staff. Several suggestions were also made to take the Institute forward and establish itself as a global Institution. The visit ended with bidding *adieu* to all the members.

It is said very wisely that there is always a war between the contentment of 'FROM WHERE TO WHERE?' and the ambition of 'FROM HERE, WHERE?' While contentment does not challenge your potential, ambition does. The NAAC peer team members have in their own way with the immense rich experiences of theirs aptly motivated every one of us at the Institute to let our ambitions win over our contentment and make our potential count. Their Enthusiasm, Positivity and Humility were realized and felt by everybody during the visit and will always remain in our memories.

Academic Audit

Academic Audit was conducted on Wednesday 81th July 2015. The members of the audit team were Dr. Rajendar Shinde. (Vice Prinicipal St. Xaviers College Mumbai) and Prof Nitin Kane (HOD of Accountancy, Vaze College, Mumbai.

They visited al the science department and commerce along with the Unaided . An initial presentation was made in the board-room by the principal vice principal wilk special reference to autonomy along with various activities and amenities of the college.

They made observations and noted various aspects and made suggestions to the department. They appraised all the teachers and head of the institutions in the exit meeting on some of the following skengths and weaknesses.

STRENGTH

- Dedicated and passionate faculty
- Dual Degree programme and exchange between sister institutes.
- College offers many choice based courses in terms of languages as an option to foundation course.

WEAKNESS

- Infrastructure needs more upgradation
- Research component should be on higher side
- Library book bank facility should be increased.

Scientific Writing

With an objective of training the young minds and the faculty in the art of scientific communication the IQAC of KJSSC organized a one day seminar on “Scientific Writing” at Conference room, K. J. Somaiya College of Arts and Commerce. In all 96 students, 37 faculties from about 30 colleges in Mumbai and six members from the industry participated in the seminar. Eminent speakers from academia and industry enlightened and enriched the participants in how to write research papers for publication, ethical considerations to be considered, how to write proposals, significance of referencing and the art of patenting. The seminar was well received by all the participants.

The seminar was inaugurated at the hands of Dr. Rajan Wellukar, Ex-Vice Chancellor, University of Mumbai and Provost, Somaiya Vidyavihar who in his inaugural address substantiated the need for the training in Scientific writing. Dr. Vijay Joshi, Principal, K.J.Somaiya College of Science and Commerce enthused motivation amongst the young participants to undertake Scientific Writing earnestly. Dr. Sudha Vyas, Principal, K.J.Somaiya College of Arts and Commerce also graced the inauguration programme and offered best wishes for the conduct of the seminar. Dr. Pradnya Prabhu, Vice-Principal and IQAC Co-Ordinator proposed the vote of thanks. Following the Inauguration the sessions began.

Dr. Ranjan Mogre, Director, AVTOS Life Sciences spoke on “Referencing – A significant tool in Research”. He started by saying that a good introduction is necessary as a strong foundation. Followed by brief history of CAS database, he also discussed the various services and also threw light on research and documentation. He suggested that care needs to be taken with respect to title, names, publication language, etc. .

Dr. Vandana Pradhan. Sr. Scientist, National Institute

of Immuno-Haematology was the speaker for the second session. She delivered a very informative lecture entitled “Pointers for Publication.” In a simple and lucid manner she discussed the various aspects of writing a research paper. She very well emphasized the importance of documentation of each and every step done during research. The importance of publishing paper with original research results was also highlighted by her. She stressed on writing acknowledgement at the end of the paper. A very important suggestion given by her was to write conclusion in brief which holds the reader's attention. The entire session was very informative for all the research students as well as faculties.

Dr. Amol Hosing, Senior Scientific Writer, Novartis Healthcare spoke on “Guidelines & Ethical considerations in Scientific Writing”. He spoke on objectives of scientific publications, guidelines to improve data reporting, uniformity, ensuring transparency, integrity of data and interests. He also mentioned about ethical concerns in publications, authorship, conduct of study, review process, role of funding source, guidelines for writers for reporting different study types, data reporting, etc. He also touched upon the sponsors and funding agencies role and role of medical writers. He explained the review process briefly.

Dr. V. Shubhalaxmi, Founder and CEO, Ladybird Environmental Consulting delivered a lecture on “Grant Writing – the art of story telling”. She elaborated the technicalities of proposal writing, submission process and success & failures of grant. She informed that grants are usually provided by funding agencies, limit is mentioned and uploaded on website of the agency. She also suggested about the evaluation strategies, budget preparation and summary. She made the session very interactive by including her own experiences.

Dr. Ravindra Shetty, Advocate and Patent Attorney spoke on 'Patent' – What ? To whom ? By whom ? Why ? How long ? He said Patent is an exclusionary right, testimonial right and right for a limited period. He discussed about the need and significance of Patent. He also explained how patent is an incentive for research, technological progress and industrial development. He debated on Patent : A Myth or Reality. He gave examples to explain this. He mentioned on what can be patented and three requirements that need to be fulfilled - Novelty, Non-obviousness and Utility. He made it interesting with examples related to real world scenario such as patent of microorganism, plants and animals.

The Seminar succeeded in imparting the basic know-how's of Scientific writing to the young would be communicators.

Scientific Writing (IQAC)



Open day



Staff Achievements



Dr. Unnati Padalia received 2nd prize for the research paper presented at the two day National Conference on 'Fungal Diversity and their Applications' on 12th December, 2015

Prof. Saurabh Shete filed two patents on Peptide Synthesis.



Dr. Unnati Padalia and Ms. Madhavi Londhe received the first prize for the oral presentation at the National Conference on Mycology.

Student Achievements



Ms. Mudita Sonawane won a Gold Medal at national Level Folk Orchestra and got selected for the South Asian Universities festival.

Bro. Yash Punjabi completed honors degree and cleared the NET exam and got 8th rank.



Bro. Rachit Trivedi won consolation prize at the 51st A. D. Shroff Memorial Elocution competition and 3rd prize in the zone 2 of youth festival in Elocution.



Sis. Sonali Borade receiving the District Sports Officer Award for Acrobatics from Education Minister Vinod Tawade.

Nareshwadi Visit



Shaguna Bagh Visit



Bidding fond farevell



Dr. Mrinalini Sathe



Prof. Ashok Bhoge

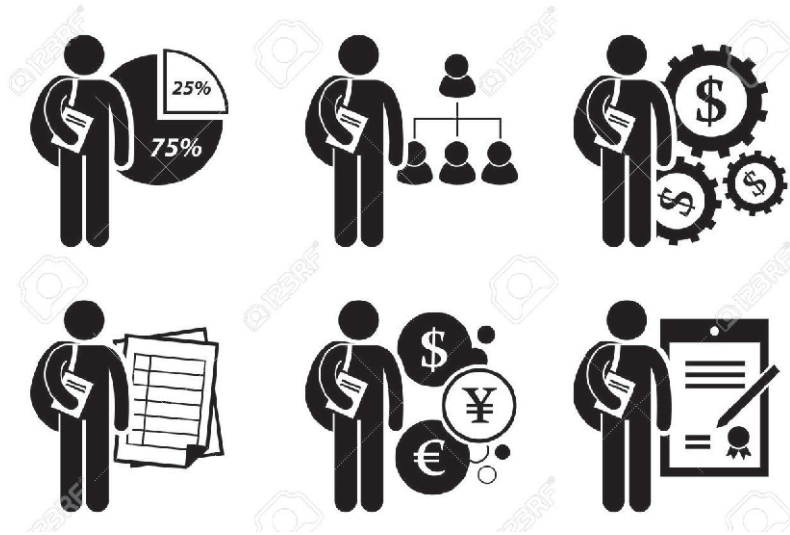
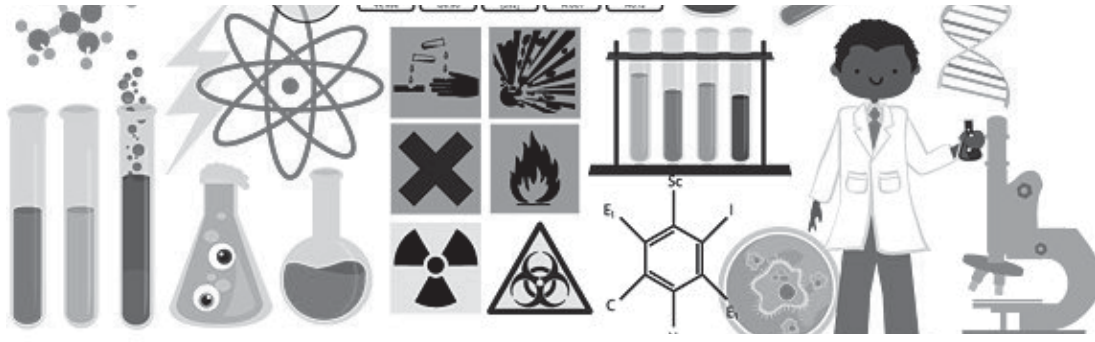


Prof. Nutan Navelkar

श्रद्धांजली



Late. Prof. S. S. Saxena



Department Reports

Accountancy

The following are the activities of the department.

- 1) Mrs. Manisha Damle attended a seminar on 06TH February 2016 on Statutory Audit of Bank Branches at WIRC of Institute of Chartered Accountant of India Bandra Kurla Complex.
- 2) Prof. Atul Thatte participated and presented a Research paper in the following seminars. on 06/01/2016 2nd International Interdisciplinary Conference on World: A Global Village (Issues & Challenges) Organised by: Chandrabhan Sharma Coll of Arts, Sc,Comm In collaboration with University of Mumbai.

Title of Research Paper :M-COMMERCE IN INDIA :EMERGING ISSUES & CHALLENGES On 27/02/2016

2nd Multi disciplinary International conf on Commerce Management Information Technolgy & Social science

Theme: Make In India Strategies Challenges & Opportunities Organised by MVM Degree College of sc & comm Andheri (w)

Title of Research Paper :
"MAKE IN INDIA" DRIVE :BOON OR BANE

Biochemistry

1. The department received a good result at the April 2014 – 15 examination with 91% at the MSc level and 100% at the T.Y.BSc level.
2. Six T.Y.BSc students participated in the competition at ' Bioluminescence' an intercollegiate event organized by Biochemistry Department, Mithibai College on 31th July'2015.
3. The department organized the annual intercollegiate

event 'Health Fair—2010' on 8th August'2015. The event included a number of competitions like poster presentation, ad-mad show, biojingle, biorangoli, healthy drink preparation, Health Court & Treasure hunt. The T.Y.BSc students of the department actively participated in the events and won many prizes. The event saw an participation of 201 students from 20 reputed colleges of Mumbai university

4. Department of Biochemistry had organized a DBT sponsored (Under Star college scheme) "Swasthya Mahotsav 2016", the series of talks in Clinical/Medical Biochemistry by 14 leading & eminent medical practitioners in Mumbai over the three days 12th, 13th & 14th January'2016.
5. T.Y.BSc Students from Biochemistry Department participated in the "Nutritional Awareness Programme" held during 10th – 15th October 2015.
6. Biochemistry department had organised a '**Routine Biochemical tests package**' for the entire staff, students of **Somaiya Vidyavihar** and **staff of Somaiya Head office** and also for the **Ghatkopar residence** on 12th, 13th & 14th January'2016.
7. Dr.S.M.Pawaskar published a paper entitles '*In vitro* - Antimicrobial activity of *Cynodon dactylon* (L.) Pers. leaf extracts', in the journal *Indian Drugs*, February'2015.
8. Nusrat Ansari, M.Sc by Research student, did an oral presentation on her research work, titled "biochemical standardization and evaluation of some important medicinal plants" in the Research Scholars Meet organized by research monitoring committee of K.J.Somaiya College of Sci.&Comm.
9. Nusrat Ansari, M.Sc by Research student, did an oral presentation on her research work, titled "biochemical & invitro antioxidant studies of some important medicinal plants" in the Recent advances in chemical & Biological sciences in organized by K.M.agarwal college,Kalyan.
10. One day workshop / hands on training program on "Analytical techniques used in Biochemical & Nutritional Research" was organised by the Biochemistry department on 16th February'2016 for the M.Sc. in Nutrition & Dietetics students of Nirmala Niketan college of Home Science, Mumbai.
11. Department of Biochemistry provided consultancies to Godavari Biorefineries, Raji Co-op housing society & Nirmala Niketan college.

12. On 5th January 2016, an interactive session was conducted between Mr. Ratish Raman and the M.Sc students of the Department of Biochemistry
13. a talk was conducted in the Department of Biochemistry where an alumni Ms. Shruti Jagtap interacted with the M.Sc students.
14. The MSc students along with Ms. S. M. Pawaskar and Mr. Rjaendre ranaware had been on an industrial visit from 15th February to 20th February 2016 during which they visited industries like

National institute of Oceanography at Goa & Delta Labs, Wine industry, Vijaya Bakery, Cashew Processing Industry at Malwan

Biotechnology

The department of Biotechnology has during the year 2015-16, conducted a number of programs for students and staff.

The department organized a parent teachers meeting on 26th June 2015 around 16 parents with wards participated in the program.

The students and staff undertook an educational tour to Gujarat from the between 27th of July to 1st of August 2015. A total of 24 students (9 girls and 2 boys from T.Y.B.Sc and 8 girls and 5 boys from S.Y.B.Sc) accompanied by 2 faculty members, Prof. K.Z. Marolia and Prof. Jayesh Bhagat went for the trip. Industrial visit included Anil Bioplus, Institute of Human Genetics, Agriland Biotech, Gujarat Eco Microbial Tech., CETP, Concord Biotech and MSU. Sightseeing included Sabarmati Ashram, Kankaria Lake, Akshardham Temple and Sur Sagar Lake. Students enjoyed themselves at the tourist spots and also benefited from the experiential learning during our visit to Gujarat. The students asked a number of questions and felt their concepts and ideas of the actual implementation of these techniques were clearer. The students had helped in the organization of the trip and therefore had chosen industries and places that interested them.

The departmental annual program BIOZONE was held from 7th and 8th July 2015. Students research and prepare PowerPoint presentation during the summer

break, and present the same. Students are encouraged to participate by asking questions and judging the event. This event "BIOZONE" is organized by teachers and judged by M.Sc. and T.Y. B. Sc. students. This year S.Y. B. Sc. students presented on different enzymes while T.Y. B. Sc. students presented on the biomolecules. The power point presentations of all students have been captured in a CD which each student has for his reference.

Prize winners

2015 -16

SYBSc

- 1st - Shruti Poojary
- 2nd - Anjali Soni
- 3rd - Anita Yadav

TYBSc

- 1st - Khushali Patel
- 2nd - Jigyasa Misra
- 3rd - Monica Mohite

An annual event of experiential learning has become a tradition in our department and this year too, the "Abhyas Mahotsav" was enjoyed by all students. Our honourable Principal Dr. Joshi was a source of encouragement. The event was scheduled in a two-day programme held on 5th and 6th of August, 2015. The event was inaugurated by a welcome speech by Dr. K.Z. Marolia, Co-ordinator (BT). The event included lectures by eminent scientists and researchers from various organizations with great scientific backgrounds. Each session started with brief introduction about the speaker and their research interest and concluded by interactive session and felicitation of the guest speakers. On the first day of the event, **Dr. Prashant Phale (IIT Bombay)** delivered a lecture on "Glucose First or Aromatics First?" and enlightened the young minds about the complex mechanism behind utilization of glucose as a source of energy which he studied by genetic engineering in model *Pseudomonas sp.* His lecture was followed by lecture by **Dr. Susan Eapen (BARC)**, who delivered a lecture on the importance of agricultural biotechnology for environment. In the afternoon session **Ms. Smera Satish (Satgen)**, talked on high-throughput cancer screening assays which they have utilized for screening anti-cancer activity from plants extracts. Day 1 was concluded with a talk by **Dr. Arvind Lali (Director, ICT)** on urgent need of Bioenergy and its implication on environment. Day 2 morning session began with a lecture by **Dr. Anil B. Jalan (Nirman Labs)** on several techniques to screen inborn metabolic disorders. Following lecture was delivered by **Dr. Sangeeta Shrivastav (Genesis Labs)** who spoke on generation of compounds from sugarcane waste and introduced the new idea of bio-refineries. The final session of the event included a live

demonstration by **Mr. Soumen Roy (Haffkine Research Institute)** who showed the handling of live avian embryos, their maintenance and finally culturing of avian viruses for pharmaceutical application. The closing lecture was delivered by **Ms. Shraddha Mehta(Haffkine Research Institute)** who delivered a talk on immuno-virology and the underlying basis of immunological response in host after viral attack. The event was closed with a vote of thanks delivered by **Dr.K.Z.Marolia, Co-ordinator (BT)** who acknowledged the efforts, support and active participation by the Principal, Management, students, faculties and non-teaching staff to make this event a success.

The short three day course on “**Sustainable Agriculturally-Based Bio-industries**” was conducted by Dr. Larry Walker, Retired Professor, Cornell University, Ithaca, New York on **13th, 14th and 15th Jan, 2016**. In this short course, the following topics were explored: The Evolving Paradigm of Agriculture as a provider of Energy and Chemicals, Enzyme kinetics and Enzyme Process, Microbial Process, System Engineering Principles which provide the foundation for Sustainable Bio-based industry, The Social Dimension of Sustainable Agriculturally-Based Bio-industries.

In 2015-16 the department has initiated following projects with FYBsc, SYBsc and MSc part2 students.

Undergraduate level:

Sr No.	Title of Project	Student Name	Class	Guide Name
1	Nutritional survey	TiloniDoshi, RamakantDubey, VarshitaMetha, ShreemayModi, SonaliPawar	FYBSc	K.. Z. Marolia&AbhishekChhayaM
3	Screening of Cellulolytic organisms	Monika Fafot	SYBSc	AmitJethwa

Postgraduate level:

Sr No.	Title of Project	Student Name	Class	Guide Name
1	Optimization studies for commercial benefit of agricultural bio control agents	Ms. Krishna Buddhadeo	Msc Part 2	Dr. K Z Marolia
2	Characterization of cellulase and its applicability in lignocellulosic biomass degradation.	Ms.RakshaChandak	Msc Part2	JayeshBhagat and AmitJethwa
3	Isolation and study of growth kinetics of fresh water algae.	Ms.PoonamTupe	Msc Part 2	Amit. K. Jethwa, Jayesh. M. Bhagat
4	Extraction and characterization of Chitosan from Crustaceans and its applications.	Ms.NishigandhaMasurkar	Msc Part2	Ms. HemangiKotibhaskar

The teachers attended the following programs to enhance their skills.

Name of the teacher	Title of the workshop/seminar/conference	L/S/N/IN W/SEM/CONF	Date	Venue
	Teachers training workshop	workshop	17/04/15	K.J.Somaiya college of Science and Commerce
	Intellectual Property Management in Biological Sciences	workshop	7-8/07/15	Mumbai
	Faculty workshop on Application of Bioinformatics	workshop	10-11/07/15	St. Xavier's College Mumbai
	Professional Content writing Skills Training program	course	8-16/08/15	St. Xavier's College Mumbai
	Cake Making Workshop	workshop	10/08/15	K.J.Somaiya college of Science and Commerce
Amit K J	Workshop on Molecular diagnostic techniques	Workshop	12-14/07/15	SIES College
	Training program for DLLE teachers	Workshop	25/08/2015	L G College, Ghatkopar-E
	Seminar on Scientific Writing	Seminar	16/01/2016	K.J.Somaiya college of Science and Commerce
Hemangi K	Observership at ACTREC	Training	26/5/15 - 6/6/15	ACTREC, Kharghar
	Molecular diagnostics Workshop	Workshop	12-14/8/2015	SIES College
	Workshop on Research Based Pedagogical Tools for undergraduate science teachers	National Workshop	10 – 13 /3/16	IISER, Pune
JayeshBhagat	Algal Biotechnology	Training/workshop	5 – 14/05/15	Kelkar College
	Warli Painting	Workshop	4/07/15	KJSSC
	Photography	workshop	22,26/07/15	KJSSC
	Cake making and baking	Local Workshop	10/08/15	KJSSC
	Epigenetic Control of Gene Expression	International/Online Course	8 weeks from July-15 to september-15	The University of Melbourne

Teachers have contributed at the Mumbai University in the following ways.

Name of the Teacher	Position held
Dr. Kamalrookh Z. Marolia	Msc part 2 paper 7 setting, moderation and correction
	Msc part 2, practical examiner and Paper setter
Mr. AmitJethwa	Msc part 1 paper 1 examiner
	Msc part 1 practical examiner
MSHemangi K	TYBSc Paper 2 Examiner

23. Student's achievement

Names and of the Students participated	Class	Organizing institution	Date	Activity	Details of prizes won
KhyatiGudur, Ankita Pal, ShrutiPoojary, Anjali Soni, UrviRawal, Shraddha Patel,Kajal Singh, Vijaylaxmi Ramesh, RonitRokade, SagarBhanushali, BhumikParmar, PriyankaDevlekar, KarishmaDaiya,KirtiParjia.	SYBSC :	Sir J. J Hospital	May - June	Summer training in Microbiology techniques	Certificate of completion
ShrutiPoojary, Vijaylaxmi Ramesh, RonitRokade, KirtiParjia,	SYBSC :	SomaiyaVidyavihar	9,10,11 October 2015	Maker mela	participant
KirtiParjia	SYBSC	KJSSC	21st December	Annual day	Participant
Anjali Soni, Ankita Pal, Vijaylaxmi Ramesh	SYBSC	KJSSC	21st December	Contact Chemistry	Participant
KhyatiGudur	SYBSC	Dept of Botany, KJSSC	9th January	Fulora: biojewellery	2nd Prize
Vijaylaxmi Ramesh	SYBSC	Dept of Botany, KJSSC	9th January	Fulora: memory game	3rd Prize
Ankita Pal, ShrutiPoojary, Kajal Singh, BhagyashreeSawant, Monika Fafot	SYBSC	Dept of Botany, KJSSC	9th January	Fulora:	Participant

Botany

Academic year 2015-2016 started from 9th June 2015 with following staff members:

1. Dr. Mrs. Supreeyaa Suryakant Yeragi, Associate Professor, Head of Department and Research Guide, Member of Research and Recognition Committee, University of Mumbai
2. Mrs. Supriya Naik, Associate Professor
3. Dr. Ajit S. Katdare, Assistant Professor and Research Guide
4. Dr. Mrs. Anjali A. Ratnakar, Assistant Professor
5. Dr. Meena Patanekar, Assistant Professor
6. Dr. Veena Salvi, Assistant Professor
7. Dr. Mrs. Vinaya Rane, Assistant Professor

There were ten students enrolled in T. Y. B. Sc., 72 in S. Y. B. Sc. and 226 in F. Y. B. Sc., 3 in M. Sc. part I and 9 in M. Sc. part II for the academic year 2015-2016.

The year began with a series of various academic activities organized by the department as follows:

1. "Techniques in molecular Biology" a two days workshop was organized on 24th and 25th June 2015 in collaboration with National Facility for Biopharmaceuticals, Matunga. Fifty students and eight staff members participated in this workshop. This opportunity of hands on training in Molecular Biology has definitely increased enthusiasm in undergraduate students.
2. A parent teacher meet was organized on 27th June 2015 for T. Y. B.Sc. students and 26th June 2015 for S. Y. B. Sc. students at 11:00 am.
3. The monsoon was well celebrated by organizing a workshop in Bonsai making. It was organized on 4th August 2015. Experts from Indian Bonsai Society in association with National Society for Equal Opportunities for The Handicapped, India under the able guidance of Mrs. SnehPrasar were invited for the workshop. A group of thirty three students and eight faculty members from various disciplines were trained individually in the art of making bonsai and at the end every participant took home a miniature of nature in the form of a tiny bonsai.

4. One day excursion to Kankeshwar, Alibaug was conducted on 4th July, 2015. Forty seven students from S. Y. B. Sc. and T. Y. B. Sc. class enjoyed the beauty of nature along with the staff members of Botany department Dr. Ajit S. Katdare, Dr. Mrs. Anjali A. Ratnakar, Dr. Veena Salvi and Non-teaching staff Mr. A. Monde, Mr. K. R. Yadav and Mr. Shrikant Rane.

5. Under the STAR College Scheme, five days long excursion to KonkanKrishiVidyapeeth, Dapoli was organized by the Department of Botany from 26th October 2015 to 30th October 2015. T. Y. B. Sc. and M. Sc. part I students were enriched with the visit. They were accompanied by the staff members of Botany department Dr. Mrs. Supreeyaa Suryakant Yeragi, Dr. Ajit S. Katdare and Dr. Mrs. Anjali A. Ratnakar and non-teaching staff members Mr. A. Monde and Mr. Shrikant Rane. Agricultural Technology Information Centre was the centre of various activities of KKV. Various aspects of Agriculture like soil analysis, vermicompost etc. were explained to students. They visited Agricultural Implement Museum, Fruit and Vegetable Processing Centre, Seed Technology Laboratory, Charak Garden, Energy Park and Watershed Park also. Lastly they were taken to PangarVibhag, the largest mango plantation in Asian continent. We also arranged a nature trail to Keshavraaj and a sacred groove at Kudavale. We visited Chandika Devi temple at Dabhol, Anjarle temple, Murud beach and Parshuram statue at Burondi.

6. In the second term, one day excursion to BPT Garden also known as SagarUpvan was organized for T. Y. B. Sc. students on 9th December 2015. Dr. Mrs. Supreeyaa Suryakant Yeragi, Dr. Ajit S. Katdare and Dr. Mrs. Anjali A. Ratnakar accompanied the students.

7. A visit to MotibaiThakersy Institute for research in mentally retarded, Sewri for M. Sc. students was organized on 5th February 2016. They were accompanied by Dr. Veena Salvi.

8. A visit to National Facility for Biopharmaceuticals, Khalsa College, Matunga was conducted for M. Sc. part II students on 11th March 2016. They were accompanied by Dr. Veena Salvi.

9. Dr. Mrs. Anjali A. Ratnakar and Dr. Meena Patankar participated in training 6th and 9th standard students for practical sessions conducted for HomiBhabhaBalvaigyanik Activity.

Dr. Mrs. Supreeyaa Suryakant Yeragi has attended two international and one national conference and worked as member of advisory board in one national and one international conference. She has published twelve research papers, eight in international and four in national journals and written eight scientific articles. Dr. Ravindra Yashwant Thakur, HOD, Kudal College, Sindhudurg district has been awarded Ph. D. degree in the subject of Botany under the guidance of Dr. Mrs. Supreeyaa Suryakant Yeragi. She has also worked as a resource person and delivered lectures in Mahatma Phule College, Panvel and Vikas College, Vikhroli.

Mrs. SupriyaNaik has attended two international and two national conferences.

Dr. Ajit S. Katdare has attended two international and two national conferences. He has also presented and published one research paper in national conference.

Dr. Mrs. Anjali A. Ratnakar has attended one international conference. She has also worked as a resource person for ParyavaranDakshataManch and for a nature trail at Padlegaon near Dombivli.

Dr. Veena Salvi has attended two international conferences and a workshop in Statistics. She has also worked as a co-ordinator of Nutraceuticals department.

Dr. Mrs. Vinaya Rane has attended one international conference and one workshop. There are two international and one national publication on her name.

Department is very much thankful to our non-teaching staff Mr. BhagwanYadav, Lab Assistant, Mr. Shrikant Rane, Mr. KacharuYadav and Mr. RamakantBarde, Lab Attendants for their co-operation for smooth running of the department.

Department of Botany for the first time organized inter-collegiate fest 'FULORA-Enjoy The Blossom' on 9th December 2015 under Star College Scheme. Total three hundred and eight students from various colleges registered for the grand event. Various activities were planned for the entire day. Nine events were conducted for the participants.

The fest began with the inaugural speech given by Dr. Mrs. S. S. Yeragi, Head, Department of Botany. It was followed by lightening of the lamp by Vice-Principal Dr. Pradnya Prabhu, Dean Prof. Subhash Krishnan and the staff members of Botany Department. All the non-teaching staff members were present for the inaugural function.

The first event was '3rd Eye-Photography'. In an hour students were supposed to take a photograph from our campus emphasizing any part of the plant. The honorable judges for the event were Dr. Amol Patwardhan and Mr. Jayesh Bhagat. The winners were Rishiraj Duggal, Shyama Karbelkar, Pratik Shyama and Siddhart Mishra. The event co-ordinators were Dr. Meena Patankar and Dr. Veena Salvi. Jinal Shah and Reshma Kaninde were the student volunteers.

Later on, two events were started simultaneously in S. Y. and T. Y. laboratories. They were 'Shape Me If You Can-Fruit and Vegetable Carving' and 'Shringar-Biojewellery'. Dr. Yogesh Ghalsasi and Ms. Smita Survase as well as Dr. Hemangi Bhagwat and Ms. Reema Khanna were the honorable judges respectively. Student's creativity was seen in these events. They were highly appreciated by judges. Ms. Grishma Garach and Ms. Velencia Colaca were declared as the winners for 'Shape Me If You Can-Fruit and Vegetable Carving' event. The winner of 'Shringar-Biojewellery' were Ms. Aarti Dhanawade and Ms. Khayti Gudar. Dr. Anjali Ratnakar and Dr. Vinaya Rane were the event co-ordinators for these two events. The student volunteers were Kajal Maske, Tejaswini Sawant, Rahina Halwai and Aarti Kolpate.

The event 'Create your Greet' was organized to highlight the hidden talent of students. They were expected to make beautiful greetings from fresh or dry plant material. The judges for this event were Dr. Geeta Nair and Mr. Shabib Khan. The winners of the event were Pratibha Tube, Suchita Jabre and Riddhi Bengal. The event was co-ordinated by Dr. Anjali Ratnakar and Dr. Veena Salvi. Pooja Rajam and Nupoor Joshi volunteered this event.

The hallway of second floor was decorated with wonderful creations of 'Floral Art-Floral Rangoli'.

They were conveying social messages such as 'Save The Girl Child'. Mr. Prashant Shah and Mr. Atul Thatte performed the difficult task of judging. The winners were- Dhruvi Patel and Manasi Patil, Bhakti Howale and Mahek Jain and Shabnam Shaikh and Renuka Kokane. Dr. Ajit Katdare and Dr. Veena Salvi were the co-ordinators. Bushra Khan and Reshma Kaninde were the volunteers.

Maximum participation was for the event "Eat It Out - Whose First". The participants were given sweet lime. Farhad Khan, Rukhsar Shaikh and Pranay Juwatkar managed to peel and eat the fruit in minimum time. Dr. Ajit Katdare, Dr. Anjali Ratnakar, Dr. Meena Patankar, Dr. Veena Salvi and Dr. Vinaya Rane along with Dr. Mrs. S. S. Yeragi very well co-ordinated this mega event. All the students volunteered this event. All the participants enjoyed this event.

In the afternoon, student's general knowledge about plants was judged during the event 'Pehchan Kaun?' Twenty five different plant parts were displayed for identification. Dean Dr. Suandha Shetye and Dr. Vikrant Deshmukh were the honorable judges. Bushra Khan and Pooja Rajam well co-ordinated the event under the guidance of Dr. Ajit Katdare and Dr. Meena Patankar.

'Sirf Ek Minute' was the memory test conducted where fifty different articles were displayed. The participants were expected to write maximum names of articles within one minute. Mr. Amit Jethwa was the invited judge. The results were declared and Tanvi Khapare, Anugraha Menon and Vijaylaxmi Naresh were the winners. Nupoor Joshi and Jinal Shah were the volunteers for the event. Dr. Ajit Katdare and Dr. Meena Patankar were the co-ordinators.

The students showcased their talent in the event 'Rang Heena Ka'. We got an opportunity to have a glance at various Indian, Arabic and Indo-Arabic designs of mehendi. Mrs. Kritika Thakkar and Mrs. Hemal Thakkar were the judges. The event was co-ordinated by Dr. Anjali Ratnakar and Dr. Vinaya Rane with the help of student volunteers Kajal Maske, Tejaswini Sawant, Rahina Halwai and Aarti Kolpate.

Department of Botany is very grateful to Principal Dr. Vijay Joshi for encouraging us to organize the fest. We are also thankful to Vice-Principal Dr. Pradnya Prabhu and Dean Prof. Subhash Krishnan for their valuable suggestions and motivation.

We would like to congratulate our entire team of T. Y. B. Sc. and F. Y. B. Sc. Students for their confidence. Our students have taken very hard efforts to make each of the event a grand success. Their sincere hard work had made the fest a cherishable event to all.

Business Communication

Dr Hemangi Bhagwat

MA M Phil Ph D ,DCJ

Contribution to college: Convenor, WDC and Student Welfare Committee

Students of the department participated in the Open Day program for the school children.

Achievements:

Appointed as National Assessor by Naac

Invited for academic audit at Vaze College.

Invited at NSS college of commerce as naac expert.

Was appointed as VC nominee subject expert for selection interviews and LIC s

Invited as the Judge at PC Alexander inter university elocution competition

Publications: Two articles published in international journals.

One student successfully completed Ph. D.

Economics

The department organised a lecture on Euro bond and Euro currency on 21st November 2015 in the seminar hall of the college for TYBCOM Students by Principal of Nirmala College Mrs Rajyalakshmy.

Prof. Chitra Trehan was a part of the organising committee for scientific writing workshop arranged by IQAC of the college on 16th January 2016.

Dr. Usha Iyer delivered a guest lecture on autonomy to P.G. students at the Induction Programme of the college on 7th January 2016. She delivered a guideline lecture to TYBCOM students of Nalanda college, Santacruz on 5th February 2016. She was a chairperson for the UGC sponsored National level Conference on "Challenges Before Indian Economy in Global Era", at pragati college of Arts and commerce, Dombivali. She delivered a speech on the title " Socio Economic Impact of Migration with particular reference to Brain

Drain from India" on 12th -13th February 2016.

An FYBCOM student Heenal presented a paper at NK college, Malad, Mumbai on Gender Diversity and Development.

The title of the paper was Discrimination in Projecting Crime against Men in India- 16th January 2016.

Various students participated in events and won prizes. Rachit(TYBCAF) and Heenal (TYBCOM) won prizes at the A.D Shroff Memorial Forum of Free Enterprise. Ayesha and Rizwana of SYBCOM presented posters in the open day for the school students.

-Chitra Trehan

Chemistry

A significant development in the modern chemistry laboratory is the captivation of microscale techniques. Microscale techniques address three major areas of concern for chemists: cost, storage, and disposal of chemicals.

An intensive two days programme on microscale techniques in chemistry was organized by Department of Chemistry, K. J. Somaiya college of science and commerce on 18th and 19th June 2015. This programme was conducted by eminent speakers Mr. Abhijit Chavan, Associate Professor, S. P. College, Pune, Dr.LateshNikam, Associate Professor and Head, Department of Chemistry, B.G. College, Pune and Dr.PathanMohd. Arif, Maulana Azad College, Aurangabad.

20 participants including twelve teachers and four students from the department of chemistry of K. J. Somaiya college of Science and Commerce and four teachers from the affiliated colleges of University of Mumbai were given presentations and demonstrations of the various techniques like the titrimetric and gravimetric methods.

On the first day, several titrations such as acid-base, complexometric and redox titrations were carried out by the participants by the use of two burette method. On the second day, the same titrations were carried out by the use of beral pipette. Experiments in the physical

chemistry i.e. partition coefficient and viscometry were also carried out on small scale with same accuracy.

These techniques are here and now implemented in graduation and post-graduation practical. Hence a lab using several grams of an expensive chemical such as silver nitrate in macroscale will only take several milligrams or less in a microscale version.

One Day DAE BRNS-IANCAS Workshop on Radiochemistry

One day workshop on Radiochemistry was conducted by the department of chemistry in association with Board of research in Nuclear Science and IANCAS, BARC, Mumbai on 25th July 2015. Dr.SugandhaShetye was the local coordinator for organizing the workshop.

Dr. AVR Reddy, President of IANCAS and Former Head of Analytical Chemistry Division, BARC graced the occasion as chief guest. Dr.Chandana Basu teaching staff of chemistry department welcomed the guest and participants. Mrs. Nutan Navelkar, Head of department of chemistry felicitated the guests with a flower bouquet.

Mr. T P. Chaturvedi, coordinator gave a brief idea about the workshop to all the students and talked about "Radiation Detection and Measurement". Dr. Reddy in his keynote address elaborated "Role of Chemistry in Department of Atomic Energy Program". Next session was conducted by Dr. Raghunath Acharya who provided a brief account of IANCAS activities and emphasized on 'Utilization of Nuclear Reactor and Particle accelerator for Radioisotope Production and Research activities".

All the three resource persons explained the basic concepts of production of nuclear power, need for Nuclear Energy program of India, detection and measurement of radioactivity and applications of radioisotopes in various fields with several examples and images in a very lucid manner.

The workshop was attended by 53 students of Chemistry (T. Y. BSc) and 10 M.Sc. Biotechnology Students and staff members of Department of Chemistry. Mrs. Navelkar in her presidential address encouraged students to interact with the scientists from Department of Atomic Energy and get optimum advantage of the expertise offered by the BARC National Laboratory. Dr.Sugandha Shetye formally proposed vote of thanks.

The theory session was followed by Laboratory session. Dr. U.M.Kasar explained the principle and calculations for the experiments to be performed in the laboratory. Two instruments GM counter and Scintillation counter (Na-Tl Detector) were brought for performing following experiments:

1. Detection of radiation and study of GM plateau, Operating voltage, Dead time of a GM tube and statistical measurement. These experiments were demonstrated and conducted by Shri Sanjay Salunkhe and Shri Ghanshyam Meena. Students were engrossed in doing these experiments.
2. Shri Yogendrakumar and Dr.U.M.Kasar demonstrated and assisted students to carry out Separation of the barium isotope and Determination of half-life of Ba^{137} isotope using Na (TL) detector.

The workshop was concluded by respected Principal Dr. Vijay Joshi by handing over the certificates to all students.

Hands on Training on Instruments

Chemistry laboratory experimentations deal with variety of instruments daily. Most of the instruments are delicate, sensitive and expensive. Before using any instrument it is must to learn about its operation and its safety implications. Misuse of equipment can lead to injury, delay in project work and substantial cost in repair bill.

A responsible, considerate employee with an understanding of the working of the laboratory, its equipment, basic chemistry, common sense, and an instinct for self-preservation will have little trouble with laboratory and chemical guidelines or chemical safety.

To implement this responsiveness a workshop titled “Hands on Training on Instruments” was organized jointly by Department of Chemistry and Department of Zoology for the Non-Teaching Staff (Lab Assistants and Lab Attendants) of K.J Somaiya College of Science and Commerce from 20th August, 2015 to 22nd August, 2015.

The workshop began with a presentation on Laboratory Safety by Mr. Saurabh A. Shete, teaching staff of Chemistry Department. The non-teaching staffs were educated regarding the handling of hazardous chemicals and how to deal with their

spillage. Mr. Saurabh stressed on the use of Personal Protective Equipment in the laboratory.

The successive session included “Hands on Training” on instruments like conductometer, potentiometer, pH meter, colourimeter, and spectrophotometer and triple distillation. This training session was conducted by Dr.MsTrupti Tawde, Mr. Mithun Mondal, Mrs. Ashwini Duse, Mrs. Sheetal Jadhav, Ms Geetanjali Sahu, Ms Seema Siddique, Mr.Arjun Pandhrey and Dr.Promod Wagh the teaching staff of Chemistry department. They explained the Standard Operating Procedure of instruments to the non-teaching staff and suggested some precautions to them in handling these instruments.

The non-teaching staff were happy with the training provided to them and requested more of such workshops in the near future.

Introduction to instruments & apparatus in chemical laboratories through chemical reactions

Interest in the research can only be created by reducing the gap between theory and practice. To build the research interest in our final year students (T.Y.B.Sc.), two days' workshop on “Introduction to instruments & apparatus in chemical laboratories through chemical reactions” was organised by department of chemistry, K. J. Somaiya College of science and commerce on 17th and 22nd December 2015.

This workshop was planned to demonstrate practical aspects of different chemical techniques/ instruments which are the part of their syllabus. 73 students from T.Y.B.Sc. (chemistry) participated in this workshop. The workshop provided students with knowledge of instruments & apparatus for synthesis like magnetic stirrer, overhead stirrer, Sonicator, Microwave, Heating Mantle etc. Also work up systems like solvent extraction, downward distillation and purification techniques such as column chromatography, TLC, steam and Vacuum distillation were demonstrated. Organic/Inorganic compounds were studied with an emphasis on methods for preparation, various coolants for the reactions and handling air-sensitive compounds.

Quantitative chemical analysis was done using different type of instrumental techniques such as Gas chromatography, HPLC, Spectrophotometry. Spectroscopic characterization of organic/inorganic

compounds was demonstrated with techniques like IR, NMR etc.

This workshop was conducted by Dr. Trupti Tawde, Mr. Afsar Ali Siddiki, Mr. Dilip Kumar Yadav, Dr. Rohit Singh Chauhan, Mr. Avinash Pardhi, Mrs. Preksha Jain teaching staff of chemistry department and volunteered by M.Sc. chemistry final year students.

Safety In Chemical Laboratory!!!!

Academic chemistry laboratories can be the sources of potentially hazardous materials and procedures if not properly handled. Seeing the turnover of hundreds of students who must be educated to handle toxic, flammable and explosive compounds often under abnormal conditions of temperature and pressure, it is obvious that there is little margin for error or carelessness even in the undergraduate teaching laboratories. Nevertheless, disciplined working in chemistry has proved that almost any kind of a chemical experiment can be carried out without an accident.

Considering the significance the Department of chemistry, K.J. Somaiya College of Science and Commerce conducted workshop on "Safety in chemical laboratory" on 19th December 2015 at 9.30 am for S.Y.B.Sc. students.

The inaugural session began with a talk by Mr. Vasistha Javkar, Manager (Safety), HPCL. He elaborated the role of Personal Protective equipment in Chemical Laboratory. Safety handling and disposal of various chemicals like sodium, strong acids, corrosive bases was explained by him.

In the second session Mr. Prasanna Ranade, Research Scholar, Department of chemistry, University of Mumbai delivered a talk on 'General Laboratory Safety'. He provided a brief account of the various types of fires and ways to extinguish them.

A fire extinguishing exercise was given by Prof. Phondekar in the last session. The usage of various types of fire extinguishers was also explained by him. All the participants were immensely benefitted by the workshop.

A Mega Festival- Rasayan 2015

We can remember the excitement of our early introduction to chemistry - the brilliant colour of copper sulphate, the smell of sulphur, sodium in

kerosene and the sounds of chemical reaction. Today's classrooms are often limited to devote time to hands-on chemistry and to enthusiast children with the fun and excitement of the subject, although chemistry plays an important part in everyday life.

Department of chemistry, K. J. Somaiya College of science and commerce organized "Rasayan 2015" on 21st November 2015 to unite the students of Chemistry under one banner to recall those remembrance. The fest emphasized 'Reduce, Reuse, Recycle, Recreate and an environment friendly approach'.

This event began at 7.30 am and inaugurated by respected Principal Dr. Vijay Joshi. In his welcome address, Dr. Joshi congratulated students for successful arrangement for the event and motivated them for arranging such in future.

Ten different events related to Chemistry were organised. Innovative and creative ideas were used to convert topics from and out of Chemistry syllabus into fun exciting games or models of Rasayan. 57 charts were prepared which had impeccable information on various intra disciplines of Chemistry. This event was volunteered by students from undergraduate, Junior college and M.Sc Part-II students. 66 students participated in this event.

Praises of Rasayan not only resonated from the participants but also from teachers of other participating colleges. Rasayan was a huge success and we hope that this would be continued with same zeal and enthusiasm by the students.

Report Of Pta Held On 04-01-2016 For T.y. B.sc Students Convener:- Mrs Madhavi Kate

Parent-Teacher meeting for T.Y.B.Sc students was conducted on Saturday 04-01-2016 at 10.00am in seminar hall of chemistry department. The meeting started with the introduction from head of chemistry department Mrs. Nutan Navelkar. The faculty members of chemistry department:- Mrs Madhavi Kate, Dr. Bhanu Raman, Dr. Chandana Basu discussed various issues with parents such as

- Overall view of college and department.
- Students time table and timings.
- Evaluation system.
- Taking care of health of child and stress management for the child.

- Facilities available in chemistry department, career opportunities after B.Sc.
- The importance of attendance and the requirement of minimum attendance for appearing for final exam.

There were few suggestions or queries from parents:-
Availability of T.Y.B.Sc journals.

- Displaying academic plan of the year on the college site.
- Split of marks (Internal Marks) in the final marksheet.
- Scaling down if student does not perform well at the end semester in spite of doing well throughout the year.
- They were assured that this matter will be discussed with principal.

The parents were very happy about the teachers, department and congratulated all teachers for the efforts taken in organising PTM. The meeting concluded with a cup of tea to all parents at about 12.30pm.

PTA for MSc. I students was called on 5/03/2016. Total 69 parents attended the meeting. All the teachers associated with MSc. teaching attended the meeting. Principal Dr. Vijay Joshi addressed the meeting and answered/clarified all the queries of parents. The Different topics discussed with MSc. II student and their past experience.

Some other topics discussed like-

- 1) How MSc. (Autonomous) is different from university.
- 2) Importance of attending the lectures.
- 3) Importance of Hard work.
- 4) Internal evolution pattern.
- 5) Preparing for job after Msc.

Remedial Course

Department of Chemistry organized remedial course for F.Y.B.Sc and S.Y.B.Sc Chemistry students for old and SemKT examinations during 28th August to 11th September 2015. For F.Y students six lectures were conducted and for S.Y. students about nine lectures are conducted. Teachers in general discussed the topics and had given question bank on the topics and thus helped the students to clear their doubts. Ninety F.Y.B.Sc students and fourteen S.Y.B.Sc students have enrolled and taken benefit of the same. All teachers of Chemistry Department participated in the same.

Report of the NET/SET and Competitive coaching lectures conducted by the Department of Chemistry

A lecture series was organized by the department of chemistry to guide students of our institute for appearing NET and SET examination. The students enrolled are M.Sc Part I and Part II of K.J. Somaiya College. Our chemistry department faculty conducted lectures of NET and SET every Saturday 3 to 4pm. The topics selected were the ones with good weightage in the competitive exams. The students were also trained to answer the objective type questions correctly by ruling out the wrong answer.

Conference, Seminars and Workshop participation.

1. Mrs. Nutan D. Navelkar and Dr. Pradnya Prabhu participated in International conference on Science, sustainability and society in the current scenario: challenges and opportunities on 20th February, 2016 held at Vikas College.
2. Dr. Bhanu Raman participated in POGIL workshop on 29th January, 2016 organised by Vaze College, Mulund, Mumbai.
3. Dr. Pradnya Prabhu attended national conference on internal quality assurance cell (IQAC) held at Kirti College, Dadar, Mumbai on 30th January, 2016.
4. Dr. Sugandha Shetye participated in national conference on Thane Creek Convention on 26th July 2015, organised by B. N. Bandodkar college of Science.
5. Dr. Chitra Kamath and Mr. Saurabh Shete attended international conference on new horizons in Synthetic and Material Chemistry held at Department of Chemistry University of Mumbai, during 26th to 28th November, 2015.
6. Dr. Chandana Basu participated in workshop on CAS awareness in Birla college, Kalyan on 8th August, 2015.
7. Dr. Chandana Basu attended conference on Polymer characterization and processing industrial challenges held in Homi Bhabha lecture hall, Anushaktinagar, on 16th May 2015.
8. Dr. Kalpana Naik, Dr. Chandana Basu,

Dr.Nishamol Kanat, Dr.Vanita Kulkarni, Dr.Trupti Tawde and Mrs.Preksha Jain worked as organizing committee members for Seminar on Scientific Writing held in K. J. Somaiya College.

9. Mr. Saurabh Shete, Dr.Aniket Pawanoji, Mr. Nanabhau B. Karanjule and Mr. Amol Pawar participated in Seminar on Scientific Writing held in K. J. Somaiya College of Science and Commerce, on 16th January, 2016.
10. Dr. Rohit Singh Chauhan participated in national conference on Development of Indian Youth as Nuclear Communicator, held in BARC, Mumbai during 19th to 20th November, 2015.
11. Mrs.MinakshiWaghmare attended chemistry teacher workshop on real-world curriculum for green chemistry organised by National College Bandra on 6th December, 2015.
12. Mrs.MinakshiWaghmare participated in national conference on New horizons in Chemical and environmental science on 30th January, 2016 held in Karmaveerbhauraopatil college, Vashi.

Conference, Seminars and Workshop Presented

1. Dr.Bhanu Raman presented a paper on "A study on extraction of Bismuth (III) with cyanex 301" in international conference on New horizons in Synthetic and Material Chemistry organised by Department of Chemistry University of Mumbai during 26th and 28th November, 2015.
2. Dr.Pradnya Prabhu presented a paper on "Innovative practices in Curriculum design" in workshop on College IQAC: Meaning and Manifestations held in KirtiDoongursee College, on 30th January, 2016.
3. Dr Chandana Basu presented a paper on "Innovation in teaching and evaluation" in national conference on Innovations in teaching-learning and evaluation in higher education organised by S.I.E.S. College during 26th to 27th February, 2016.
4. Dr. Yogesh Ghalsasipresented a paper on "Synthesis, characterisation and study of acoustic properties of metal oxide nano fluids" in International conference on New horizons in Synthetic and Material Chemistry organised by Department of Chemistry University of Mumbai during 26th and 28th November, 2015.

5. Dr.Trupti Tawde presented a paper on "Development of New Bis-benzimidazole derived chiral phosphoric acid: Application in enantio selective synthesis of dihydroquinazolinones" in international conference on New horizons in Synthetic and Material Chemistry organised by Department of Chemistry University of Mumbai during 26th and 28th November, 2015.
6. Mrs.Preksha Jain presented a paper on "Synthesis of Copper & Silver chalcogenides" in national conference on Recent development in chemical science (RDCS 2015) held in Radhabai Kale Mahila Mahavidyalaya, Ahmednagar, during 22nd to 23rd December, 2015
7. Mr. JaidipWable presented a paper on "Nano-chemistry: Ascintillated prospect of Science " in national conference on Recent development in chemical science (RDCS 2015) held in Radhabai Kale MahilaMahavidyalaya, Ahmednagar, during 22nd to 23rd December, 2015.
8. Mr. JaidipWable presented a paper on "Synthesis & characterization of some novel thiophene anchored sulfonamidederivativs of biological interest" in international conference on new horizons in Synthetic and Material Chemistry organised by Department of Chemistry University of Mumbai during 26th and 28th November, 2015.
9. Mr. Jaidip Wable presented a paper on "Estimation of hydroxymethyl furfuraldehyde in various food stuff" in National Conference on Innovative research techniques in chemical and physical sciences held in ?during 7th to 8th August, 2015.

Chemistry Publications

Dr. Bhanu Raman and Dr. Bright O Philip published three papers in this academic year, details of the same are given below:

Dr. PradnyaPrabhu published three papers in this academic year, details of the same are given below:

1. "Zeolite A- Fly Ash:Synthesis and characterisation" in Int J Chem Vol5(4) Oct-Dec 2016.
2. "Characterization of phytoconstituentsof gardenia jasminoidesellis and isolation of

hydrocarbon from leaf extract aiding for chemotaxonomic study” in Int Journal of Chemistry, article in press.

Dr. Chitra Kamath published paper on “Quantitative estimation of Catechin, quercetin and β -carotene from a polyherbal formulation” in International Journal of Pharmaceutical Sciences and research 6 (4), 2015, 1596-1601.

Dr. Veena Khilnani published two papers in this academic year, details of the same are given below:

1. “Investigation of Antibacterial activity of *Cestrum Nocturnum*” in International journal Pharmacophore 6 (2), 2015, 81-86.
2. “Immobilization of a few enzymes on different chelating resins containing sulphur as donor atom(s)” in International journal Chem Sci. Rev. Lett 4 (13), 2015, 320-326.

Dr. Chandana Basu and Dr. Nishamol Kanat published a paper on “Effect of Carbon Black and Vulcanization System on Dynamic Mechanical Properties of Natural Rubber” in Rubber Chem Review May- 2015.

Dr. Yogesh Ghalsasi published paper on “Extractive separation of iron and cobalt using Tributylphosphine oxide as an extractant” in Global Journal for research Analysis 4 (4), 2015, 42-44.

Dr. Trupti Tawde published two papers in this academic year, the details of the same are given below:

1. “Reversal of Enantioselectivity Induced by Difference in Achiral Part of Organo-catalyst with Same Configuration in Diels-Alder Reaction” in Tetrahedron Asymmetry, Vol. 27 (2016), 130-135.
2. “A Convenient route to Benzimidazole fused chiral Heterocyclic Bases, Indian Journal of Chemistry B (Accepted), Pub.3/4(OC-1803)/2015.

Dr. Rohit Singh Chauhan published paper on “New vistas in the ligand chemistry of tellurium with platinum group metals” in Coordination Chem. Review 306, 2016, 270-301.

Dr. Rohit Singh Chauhan, Mrs. Nutan Navelkar and Mr. Jaidip Wable published paper on Nanochemistry a scintillated prospect of science, ISBN – 978-93-83401-33-8.

Dr. Rohit Singh Chauhan, Mrs. Nutan Navelkar, Mr. Jaidip Wable and Mr. Avinash Pardhi published paper on Preparation of copper chalcogenides nanoparticles by single source precursor method, ASAP.

Computer Science

AGILE' 15 is a Technical Festival Organized by: Department Of Computer Science, K.J.Somaiya College Of Science and Commerce Vidyavihar

AGILE'15 date: - 15th September 2015

Details: AGILE is the annual Technical festival of Department Of Computer Science and was held on 15th September 2015.

The theme for AGILE'15 was “Being Nimble”. This was the first year of AGILE'15. For the students who never had an iota of an experience as to how to put together an intra college festival, Sheer will and determination proved that CS department students are no less than any other department when it comes to putting up a grand spectacle kept us. We managed to get more than 200 participants which was achievement for us.

The details of events are as follows:

AGILE-Events:

Event Head

1. Ms. Afreen Khan (T.Y.B.Sc - CS)
2. Mr. Aadil Khan (T.Y.B.Sc. - CS)

1) C and Java Debugging:

Event Head

Ms. Shraddha Madhye

Details:

In first round the participants were given few snippets to find the bugs and error. The participants who find maximum bugs were shortlisted. In 2nd round the shortlisted participants were given one program to debug.

2) Quiz :

Event Head

Mr. Suraj PS

Details:

As the name suggests, It was a quiz which was 75% technical and 25% General Knowledge. Technical included various technology and companies related to

it. GK included math's, inventions, physics, games, cartoons, chemistry etc

3) Logo Making

Event Head
Ms. Sayali Joshi

Details:

Participants were given a theme of “Blood Donation” to design the Logo for awareness of blood donation.

4) LAN Gaming

Event Head
Mr. Aadil Khan

Details:

LAN gaming is a multiplayer event which basically covered 2 games NFS and CS . People from Somaiya Campus participated in LAN Gaming.

5) One Minute Game

Event Head
Ms. Nikita Bombale

Details:

One minute games like Uphill battle, Color Beads, Water ball, and Buzz Games were organized for testing the participant's nimbleness

Commerce

The department of Commerce have organized various activities for Commerce students in the academic year 2015-16. The aim of conducting the activities was to develop a team spirit and leadership qualities among the students.

On 29th July 2015, commerce students participated in Open Day programme organised by IQAC

Students made presentation , conducted games and performed skits for the visitors..which was enjoyed a lot by them...

Department of Commerce conducted fest -“Avsar”- Kuch Kar Dikhane ka.” As on 11th December, 2015. Different events and competitions were conducted during the fest. Large numbers of students from aided

and unaided sections were taken part in the following events:

1. Elocution
2. Debate
3. Nail art
4. Best out of west
5. Poster making
6. Balloon Painting
7. Treasure hunt
8. Management Games
9. Essay Competition
10. Food fest

Outstanding participation from 110 students was seen for this one day event.

Food fest, Treasure hunt and Management games got overwhelming response.

Environmental Science

Department of Environmental Science has been a most dynamic department which gives more emphasis on experiential learning. In view of this the enthusiastic faculty members from the department take initiative in organizing several events like field visits, interaction with eminent environmentalists in the country and environmental awareness activities in the campus. This year we have several feathers in our cap.

Ø UGC –HRDC Refreshe Course in Environmental Studies: This year the Department was honoured by the responsibility of organizing the First ever Refresher Course at Our college, refresher Course in Environmental Studies under the aegis of UGC-Human Resource Development Center, University of Mumbai for twenty one days. Forty four senior college teachers from all over the country attended this course.

Ø Carbon Neutral Event – Convergence - 2016: This year the Department takes pride in declaring that the annual Event Convergence 2016 is made Carbon Neutral event , first at Somaiya Vidyavihar and may be in Mumbai. It was funded by International program, GIZ-Indo German Biodiversity Conservation Program for creating awareness on the conservation of Mangroves , especially in

Thane Creek.

Ø Special Achievement Awards: Three students from Department of Environmental Science were awarded for their special achievements by The Somaiya Management during the Annual event Ekatva. Ms. Gargi Vijay Raghavan- Special Award for her contribution to Animal rescue activities, Ms. Jogitha Josey- Special Achievement Award for her contribution to River Rejuvenation and Village Improvement Program, Girivanvasi Prkalpa, Dahanu, Mr. Rakeem Dalwai- Special Achievement Award for his contribution to River Rejuvenation and Village Improvement Program, Girivanvasi Prkalpa, Dahanu

Ø Consultancy:

Due to the quality of education and efforts taken by the faculty, several organizations are approaching for consultancy on environmental projects and programs.

The following Government organizations and NGOs approached us for consultancy and the work is in progress.

Mumbai Metropolitan region – Environment Improvement Society (MMR-EIS) – for capacity building workshops for a period of five years.

Maharashtra Nature Park- Dahisar River Rejuvenation Project

Department of Social Forestry, Govt. of Maharashtra- Biodiversity Theme Park, Thane

Baseline Soil Carbon Analysis- Center for Awareness of Environment, CARE

Following activities were conducted throughout the year to impart experiential learning. The students bagged prizes and have taken efforts to organize all these events sincerely in our department.

Field Visit to study Landfill sites for Municipal solid waste and the Hazardous waste

Date: 3rd July 2015

Venue: Turbhe – Municipal Solid Waste Disposal & Trans Thane Creek (TTC) industrial Area Scientific Landfill

Time: 10:00 am to 3:30 pm.

Students Attended: 18

Resource Personnel: Mr. Subodh Mulye, Deputy Engineer & Pollution Officer at Navi Mumbai Municipal Corporation (NMMC)

Mr. Jayesh Idate (Program Coordinator at TTC)

Students of M.Sc. Sem III class visited two landfill sites being used for dumping of the Solid Waste. First visit was to a Scientific Landfill Site for Municipal Solid Waste disposal managed by Navi Mumbai Municipal Corporation since 2005. Students were taken around to see various techniques of waste segregation, treatment, disposal procedure. They were explained the working/ functioning of various machines/ equipment used for waste treatment there. They were also shown how the leachate is collected and treated there. The facility stands on 65 acres of land and has an automatic ambient air monitoring system. Students were demonstrated how the air samples are collected and analysed.

Next visit was to Trans Thane Creek (TTC) industrial Area to study Secured Landfill for Industrial/ Hazardous Waste. Thane-Belapur Industrial Association (TBIA) has established a Common Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDP). The facility was established in the year 2004 on 7.0 hectares of land area. Dr. Nitin Nimkar, Scientist at this facility first organized a guided tour through the entire facility. Students were shown how the waste paper from the Cigarette manufacturing factories is made into bricketts and how these can be used as a fuel for incinerator. The facility also started E-waste segregation, treatment, disposal and overall, management system recently. Students were demonstrated various techniques in E waste management. Later, Mr. Jayesh Idate, Programme Coordinator at TTC gave a detailed PowerPoint presentation on Secured Landfill for Hazardous waste. Total 18 students participated in these visits. They were accompanied by Dr. Sanjay Joshi from the Dept. of Environmental Science.

Panel Discussion on Climate Change

Date: 23rd July 2015

Venue: New Engineering Building, 5th floor Seminar Hall no.516

Time: 10.00 am to 12.30 pm.

Students Attended: 57

Panelist:

1. Dr. Nandini Deshmukh.
2. Hari Chakyai, Head, Project 35 Trees.
3. Dr. Janjari Jasani, Head- Sustainability Solutions and Carbon Map & CAP Initiative- CERE.

Department of Environmental Science organized an interactive panel discussion on 'Climate Change' in association with the US Consulate. There were three panelists of international repute putting forth their views on the changing climate all over the world. Through their discussion, they addressed many questions related to climate change. Pannelist explained in detail various angles of Climate change and various mitigation measures. Dr. Nandini Deshmukh Explained process and need for the Climate Leader initiative and importance. Dr. Jajari Jasani explained the concept of Carbon Neutrality and Mr. Hari Chakyai Explained his journey during entire project 35 Trees. He initiated a project of planting trees with the help of school children in remote villages in 35 states of our country, hence the project is named Project 35trees.

ANVAY- Workshop and competition on Environmental Documentary

Date: 25th July 2015

Venue: St. Xavier's college, Fort, Mumbai

Time: 10:00 am to 1:30 pm.

Students Attended: 17

Organized by: E-Connect, Environment Management Center (EMC)

On the 25th July 2015 a documentary workshop on waste management well organized event by e-connect. The purpose of the event "ANVAYA" was to spread awareness about the waste generated in our city, it was organized by the Department of Mass Communication, St. Xavier's College, Fort, Mumbai. The workshop brought together people of various background namely, schools, colleges, film makers, entrepreneurs & NGO's who showed a great interest in the current and upcoming issues of waste management and waste disposal.

A short film competition was then organized by E-connect to portray the current situation of waste and techniques to manage the same. A month was allotted to each participant (group & individual category). Two teams participated in this competition after the workshop.

First team, United film production, constituted of six students from the department of environmental science, KJ Somaiya college of science and commerce, namely Chirag Patel, Donna D'souza, Wilma D'cunha, Rupal Bharya, Shraddha Shivadekar and Kruttika Joshi. They produced a documentary on the theme; "E-waste the unknown treasure" representing the outlook of the youth on waste disposal and

management. The film focused on the production of *E-Waste, its management, disposal and consumerism*.

Another film namely "Once Upon A Dream" was created by second team, Mogli Productions representing the life of a boy and commitment to waste.

Mogli production, constituted of four students from the Department of Environmental science, K J Somaiya college of science and commerce, namely Bruno Fernandez, Shreyas ashrit, Dinesh Thube and Hrishikesh Rane.

The experience was worthwhile, competitive and very productive.

Open Day Activity For School Students

Date: 29th July 2015

Venue: Somaiya Vidyavihar Campus

Time: 9:30 am to 3:30 pm.

Students Attended: ~ 240

Students of M.Sc. II, Sem III from our department have demonstrated certain active, ongoing projects to school children who visited our college on 29th July, 2015 as a part of Open Day Activity. Students showcased Five major projects/activities namely

1. Biogas plant- Live demonstration
 2. Butterfly Garden - model
 3. Live demonstration of Vermicomposting,
 4. Tiger conservation signature campaign for Sanctuary Asia
 5. Screening of documentaries on Environmental science and current issues in the seminar Hall
- Guest Lecture on Eco-restoration - YamunBiodiversity Park

Date: 25th August 2015

Venue: Department of Environmental Science

Time: 3:00 am to 4:30 pm.

Students Attended: ~ 20

Dr. Faiyaz Khudsar, from the Centre for Environmental Management of Degraded Ecosystems (CEMDE), University of Delhi and Scientist-Incharge, Yamuna Biodiversity Park visited the college campus on 25th August, 2015. His lecture was then organized by our department for the students

of Environmental Science. Dr. Faiyaz has extensive experience and expertise in the *Eco-restoration of the degraded lands*. The Yamuna biodiversity Park is now well established and quite rich in biodiversity. He gave a nice presentation on various aspects of ecological restoration and shared his experience of establishing Yamuna biodiversity Park in Delhi. It was a wonderful event attended by 15 students from M.Sc. part II and faculty members from Botany department.

Orientation Program for the newly enrolled students for M.Sc. Part I 28th August, 2015

Date: 28th August 2015

Venue: New Engineering Building, 5th floor Seminar Hall no.516

Time: 3:00 am to 4:30 pm.

Students & Parents Attended: ~ 30

On 28th of August 2015 an orientation program for fresh batch of M.Sc. students was organized for students as well as their parents. Induction program was opened up by Dr. Sanjay Joshi explaining student prerequisites and requirements of course. He then extended the talk and made everyone aware about departmental activities and disciplines. It was then followed up by introduction to syllabus and benefits of autonomy talks. This was then preceded by talk by Mr. Chinmay Khanolkar who spoke about various career opportunities in the field of Environmental Science. He talked about various opportunities in industries, academics, research, journalism, government and NGOs. This was followed by question and answer session where queries from parents were answered. It was attended by 15 new students along with their parents and 15 part 2 students who shared their experience.

Interactive session with the “Forest Man of India”, Padmashree Jadav Payeng 14th September, 2015.

Date: 14th September 2015

Venue: New Engineering Building, 5th floor Seminar Hall no.506

Time: 10:00 am to 1:30 pm.

Students & Parents Attended: ~ 65

Mr. Jadav Payeng is known as Forest man of India and was honoured with Padmashree award for his single handed creation of forest in Assam, India. Department of environment science arranged a Screening of a documentary on Jadav Payeng and

interactive session with Shri Payeng and the Director-Producer of the Film Ms. Aarti Srivastava on Monday, 14th September, 2015. Programme started with a brief, informal introduction of Shri Payeng and Ms. Aarti Srivastava. Then Ms. Srivastava explained the motive behind making such documentary. It highlighted various moments of pride, sadness, happiness and depressions in Jadav Payeng's life. It is a real life story of this man who has created a thick forest, rich in biodiversity, on a barren and degraded land measuring 1500 acres in a small village near Jorhat in Assam. He has been doing this single handedly for the past 25 years. It was an amazing journey through his life. Mr. Payeng then interacted with students. Total 65 students and 6 faculty members from K.J. Somaiya College and from B. N. Bandodkar College, Thane attended this event.

Interaction with Mr. Pankaj Sekhsaria, Author of the book The Last Wave

Date: 9th October, 2015.

Venue: Bhaskaracharya Building Seminar Hall (506)

Time: 3:00 am to 4:30 pm.

A guest lecture was organized by the department of environmental sciences, K. J. Somaiya College of Science and Commerce held on 9th October, 2015 at the Seminar hall (506) in Bhaskaracharya Building. Lecture was attended by more than 24 students from different backgrounds.

The guest speaker was a well-known researcher, writer, photographer, campaigner and academic named Mr. Pankaj Sekhsaria. He has worked extensively in the field of wildlife conservation and environment with a particular focus on the Andaman and Nicobar islands. He has been writing regularly on related issues for the English media since 1998, and is the author of two non-fiction books based on the Islands viz. “Troubled Islands” in 2003, a collection of his journalist writings and “The Jarawa Tribe Reserve Dossier: Cultural and Biological Diversity in the Andaman Islands.”

The session began with an introduction of our guest speaker by Ms. Krutika Dalvi, student of MSc II Environmental Science followed by a splendid presentation on the current situation, issues and ecological instabilities in the Andaman Islands. He also stressed upon the 2004 Earthquake and the Tsunami and the recent disasters which took place there and their after effects. One of the most important observations was the topographical change on the islands which affected both the terrestrial and

the coral ecosystems. Another aspect of which he spoke about was the level of endemism regarding the faunal species. He further pressed upon lack of governance from authorities touching upon various topics like establishment of Nuclear power plant and military base camps as well as utmost disregard for the local and Endangered tribe of Jarawa.

To portray his experience of being an environmental activist as well as a journalist with about 15 years of profound knowledge on the Andaman and Nicobar Islands, he recently published a book called "The Last Wave: An Island Novel" which is not only a story of lost loves, but also a culture, a community, an ecology poised on the sharp edge of time and history. His speech was followed by an interactive session between the guest speaker and audience. The vote of thanks was conveyed by Ms. Pranali Shetty, a student from MSc I Environmental Sciences.

Environmental Film Screening - Racing to Zero – In Pursuit of Zero Waste,

By Mr. Christopher Beaver (Director) & Ms Diana Fuller (Producer)

14th Of October 2015

Date: 9th October, 2015.

Venue: Dept. of Electronics Engineering Seminar Hall No. 517, (5 th Floor, New Engineering Building),

Time: 3:00 am to 4:30 pm.

Students Attended: 49

On 14th of October 2015 Department of Environmental Science organized a 56 Minute long Environmental Film Directed by Mr. Christopher Beaver and Produced by Ms. Diana Fuller. Movie is a simple story of how the city of San Francisco, USA has managed to achieve Zero Waste City status with respect to management of the waste generated by the citizens. Movie was followed up by a question and answer session preceded by an appeal by Film producers to pledge our duty to support the process of waste management. Film focused mainly on current way of our resource uses and many changes carried out by San Francisco city authorities to bring about waste segregation at source and further their treatment cycles.

Twenty one days UGC-HRDC REFRESHER COURSE in Environmental Studies – October 19,2015 to November 7, 2015

An Interdisciplinary Refresher Course in Environmental Studies was organized by K J Somaiya

College of Science and Commerce under the aegis of UGC Human Resource Development Centre during October 19,2015 to November 7,2015.

The course was conducted successfully under the expert guidance of Principal Dr. Vijay Joshi Chief Co-ordinator of the Course. Dr. Sugandha Shetye looked after the meticulous planning and execution of the entire course as Joint Coordinator of the Refresher Course.

The Theme of the course was 'Environmental Consciousness and Sustainable Development'. **Forty four participants** from various universities in Maharashtra and India from nine different disciplines like life sciences, chemistry, botany, zoology, Environmental Studies,

Environmental Sciences, Geography, Microbiology, Biotechnology attended the course and thus it went very well with the spirit of the course.

The experts from National research Institutions like Bhabha Atomic Research Centre, Tata Institute of Fundamental Research, National Environment Engineering and Research Institute, Mumbai, Centre for salt and Marine chemical research, Bhavnagar, Educational institutions like University of Mumbai, Institute of Chemical Technology, IIT Bombay, Bombay College of Pharmacy, Kalina, Mumbai, Industries like Godavari Biorefineries, Waterfield Technologies, Glenmark Pharmaceuticals, NGOs like BNHS, Observer Research Foundation, Samuchit Envirotech, Pune, Girivanvasi Prakalpa, Dahanu, Ladybird Environmental Consultancies, Centre for Environmental Education and Development (CEED), Somaiya Trust and Govt. Organizations Indian Patent Office were invited to deliver lectures and share their experiences through very interactive sessions.

The Faculty members Dr. Sanjay Joshi, Mr. Chinmay Khanolkar and nonteaching staff Mr. Ajay Pol and Mr. Amit Yadav from the Department of Environmental Science have taken sincere efforts to make all the arrangements for hospitality, experimental sessions, Field visits and seminar sessions throughout the course with smiling faces to make the program a grand success.

Construction of Low cost Bio digester a Plant at Nareshwadi, Dahanu in collaboration with Cornell University Students

Date: 9th to 14th January, 2016.

Venue: Nareshwadi

Time: 9am to 4pm
Students Attended: 6

Six Students of M.Sc. Environmental Science ,two Undergraduate students from Dept. of Chemistry and 10 students from K J Somaiya Polytechnic had participated in Community Project of Building low cost Biogas plant at Nareshwadi along with six students from Cornell University. This was an enriching experience where in students got hands on experience of turn key projects, right from design stage to execution stage. Following is the schedule of these days

Jan 9- tour school in morning, visit Talasari biodigester in afternoon, Jan 10- Walk to Ghadne in morning

- Discuss the design with the Vidyavihar environmental science students and a local expert provided by the Nareshwadi staff
- Run tests on manure
Jan 11- Day 1 of construction
- Run tests on manure
- Prepare materials and dig trench
- Need smooth surfaces, pad with fertilizer if needed
- Clear out loose soil
- Prepare double-layered bag for durability Jan 12- Day 2 of construction
- Build rooftop and fencing protection for the digester Jan 13- Day 3 of construction
- Lay out bag. Construct premix and compost systems
- Attach inlet and outlet seals. Jan 14- Day 4 of construction
- Set up piping features
- Features include scrubber, pressure release valve, and water traps
- Teach how to use the system (inputting slurry, checking connection, etc)

Convergence – 2016:

Event Date: 22nd & 23rd January 2016

Venue: Gargi Plaza, Somaiya Vidyavihar Campus

Students Attended: ~ 700

Inauguration

Chief Guest: Shri N. Vasudevan (Chief Conservator of Forests, Mangrove cell Maharashtra)

Title Sponsors: GIZ, Indo- German Biodiversity Programme

Dr. Aaron Lobo (Advisor and Coordinator for Goa & Tamil Nadu, GIZ, Indo- German Biodiversity Programme)

Ms. Supriya Zhunzhunwala (Advisor & Coordinator for Maharashtra, CMPA Project)

Convergence – 2016 is the Annual intercollegiate Environmental Awareness event .This year it was organized along with Department of Nutraceuticals for two days , 22nd & 23rd January 2016. The theme for the event was Conservation of Coastal Biodiversity- Mangroves in Thane Creek. The program was sponsored generously by GIZ, Indo- German Biodiversity Programme. This was The First Carbon Neutral Event at Somaiya Vidyavihar. It was arranged in the open ground, Gargi Plaza and all the students were allowed to participate in any of the events without any entry fees. More than 750 students from the campus and 12 different colleges in Mumbai took part in different activities organized by students in these two days.

Inauguration Function

During his inaugural speech , The chief Conservator of Forests- Mangrove Cell , Maharashtra Shri Vasudevan emphasized on the management for conservation of marine and coastal biodiversity. He also narrated various efforts for increasing mangroves in creek area by way of plantation and various policies has resulted in increase in mangroves in the recent years.

Valedictory Function was arranged on 23rd January, 2016 .

Time: 4.00 pm – 6.00 pm

Venue: Red Hall of K. J. Somaiya Institute of Management Studies and Research (SIMSR)

A Panel Discussion on conservation of Thane Creek Mangroves was arranged and following experts were invited as panellists.

- Dr. R. P. Athalye, Vice Principal and senior research scientist from B. N. Bandodkar College of Science, Thane.
- Mr. Laxmikant Deshpande, Manager, Godrej Mangrove Center,
- Prof. Vidyadhar Walawalkar, Senior Lecturer from VPM's Polytechnic, Thane, and General Secretary, Paryavaran Dakshata Mandal, an environmental NGO in Thane,
- Mr. Nandu Pawar, an environmental activist belonging to Mangrove Warrior from Bhandup
- Dr. Aaron Lobo from, Advisor and Coordinator for Goa & Tamil Nadu ,GIZ, India

Interactive Events

Some literature review and then GIS based study showed that Mangroves around Mumbai first declined

from 1972 up to 2001 and then increased gradually till 2010, same was the fate with Thane mangroves. Although increase in Thane mangroves was very gradual while their density and quality greatly reduced. The aim of this initiative was to increase environmental awareness through series of academic and non academic, meticulously designed events that will allow students from all backgrounds to learn while having fun. Events from the program were designed to increase the awareness of participants and make them sensitive towards coastal biodiversity. This event was sponsored by GIZ India , Indo German Biodiversity program which is a global Indo German initiative on the coastal ecosystem conservation. Some of the highlights of the events are :

Brainiac- Quiz competition to bring forth the mesmerizing facts about mangroves and other biodiversity that exists around us. This event was largely contested with over 60 teams of 2 people each participating in it.

Winners:

1st Prize: Shivangi Kuthari & Shraddha Jadhav
2nd Prize: Akshay Vaidya & Sayali Bhosale (Khalsa)

Neosplash- This was an event where art and sciences converged to add a spice to the event. Students had prepared a dark passage way mimicking a deep water passage, at the end of which paintings from participants would be hanged. All the room would come to life once a neon blue light is put on. Event depicted beautiful world of bioluminescence that is usually present below the sea surface.

Winner:

1st Prize: Nikhil Delose
2nd Prize: Shalaka Kadam

War of words- A debate competition was organised in accordance with the theme of current issues of Coastal ecosystems.

Winner:

1st Prize: Abhishek Shinde & Manu Johnson
2nd Prize: Abhishek Dubey

Trashion –Fashion from trash. Even the things that we throw can create a beautiful art pieces. Based on the same motto, idea of the event was to portray fashion using materials like news paper, leaves, weeds etc.

Winner:

1st Prize: Sushmita Yadav
2nd Prize: Vrushali Patil

Shutter fly – This was a photography event in which participants were taken to Vikroli mangroves and allowed to take photographs of this ecosystem. Major reason behind organising this event was to see the presence of any indicator species that depicts pollution and creating its documentation after comparing it with faunal diversity that will be seen in next day boat ride event.

Winner:

DSLR Category
1st Prize: Farhan Shaikh
2nd Prize: Bhawin Goswami
Mobile Camera Category
1st Prize: Samir Pawar
2nd Prize: Sushmita Yadav

Floody Hell – This was a treasure hunt which was themed upon 26th July 2005 Mumbai Floods. Participants had to go through multiple tasks at mental as well as physical level that depicted flood scenario back during disaster. Reason behind keeping this event was to make people aware about problems faced by coastal cities and importance of mangrove ecosystems towards mitigating these problems. This event was participated by more than 180 students from more than 7 colleges.

Winner:

1st Prize: Akash Tiwari, Kalyani Rane & Rohit Singh

Apart from this event included several other events like cloth bag painting (VIBGYOR), Best out of Waste (Creative Dump) etc. were organized .

All the events were blessed with enormous response from various colleges with all events fetching more than 450 participations from 12 colleges. Participation reach was from many colleges of Virar to Churchgate and from Kalyan to CST. Event created mass localisation of knowledge and awareness towards large degree of volunteers.

Green Chef: This event was organized to explore the fuel less cooking and delicacies that arise from it. It got participation from more than 20 teams and the teams that came victorious were victorious by a small margin.

Black Taboo: This game involved general rules of Taboo games with added difficulty of blind folding. This event received a large amount of participation with turn out going beyond 150.

1st Prize: Akash Tiwari & Rohit Singh

2nd Prize: Prabhar Kumar & Manas A.

Valedictory Function

Panel discussion on Conservation of Thane Creek Biodiversity–

To start with, *Dr. Aaron Lobo* gave a presentation on the status of the marine life, touching various aspects of fisheries and other related activities. He also highlighted the initiatives taken up by GIZ, a German company working in collaboration with German Government in the areas of protection and conservation of coastal ecosystems and mangroves of Konkan and Thane regions in Maharashtra, India.

Prof. Vidyadhar Walavalkar spoke about Clean Creek movement, an initiative taken by Paryavarn Dakshata Manch for preservation and conservation of Thane Creek. He spoke about the necessity to launch this kind of movement. He spoke about the conferences which had been organized so far in various educational institutes on the occasion of the World Wetlands Day, on 2nd February every year.

Mr. Laxmikant Deshpande highlighted various initiatives of Godrej industry and Mangrove center for protection of the Mangrove forest in Vikhroli area. He also spoke about various other environmental projects that are being run by the center.

Mr. Nandkumar Pawar is a born fisherman and belongs to that community. He and his associates are strong warriors and could go to any extent when it comes to protecting mangroves. They have been fighting lawfully against destruction of mangroves by various factions of the society including some top builders from Mumbai and suburbs. He shared his true and real life experiences in dealing with these situations.

Dr. R. P. Athalye delivered his concluding address

taking cognizance of the speeches made by earlier speakers. He elaborated upon his own research involving various projects related to Thane Creek. He gave an historical account of earlier status of Thane creek and then what is the current scenario. He also appealed the youngsters in the audience to take initiatives for preservation of wetlands. He suggested certain measures that can be taken to reduce the pollution load over Thane creek.

This discussion was followed by the Prize Distribution. In the end, *Dr. Sugandha Shetye*, Dean, Academics and Course Coordinator, Dept. of Environmental Science, proposed vote of thanks.

Sensitisation Through Boat Ride in Thane Creek on Sunday 24th of January 2016

A boat ride was organized on 24th of January 2016, in Thane creek for all the winners of various events and organizing committee of students for three hours, 9:00am & 12:00 noon. During this ride students took up initiatives and explained people coming and throwing garbage in the creek water, not to do so, while some made a short documentary on the status of creek and mangroves. During boat ride students witnessed more than 35 species of birds including a flock of more than 6000 flamingos making the banks pink.

After the boat ride participants walked home with all new image of estuarine ecosystem with new found respect for the same.

Convergence-Carbon Neutral Event

With climate change mitigation in mind, it was decided to make our event *Convergence Mumbai's first carbon neutral intercollegiate event for environmental awareness*. For this purpose throughout the organization of the event, all the records of carbon emissions were kept which were tallied at the end of the event. Following are the details of carbon emissions resulting from the event

Our Carbon Footprint:

Attribute	CO ₂ Emission (Kg)
Emission due to Electricity Usage	812
Emission due to Transportation	1675
Emissions due to Printing	192
Emissions due to Paper Charts for posters	156
Emissions due to Flex printing	230
Emission saving due to reuse of waste during fest	-152
Total Event Carbon Footprint	2913

The event caused emission of almost 3 tons of CO₂ in atmosphere which needed to be sequestered. This carbon has been offset using plantation of mangroves near Kalwa creek on 2nd of February 2016 with the help of Socila Forestry Department, Govt. of Maharashtra. More than 25 Students volunteered on world Wetlands Day for plantation 66 mangrove saplings in the creek area to offset the carbon that has been emitted by this event.

Report on Excursion to Karnataka

24th February to 1st March 2016

Date: 24th February to 1st March, 2016.

Venue: Bangalore & Mysore

Students Attended: 27

Institutes Visited:

1. NCBS - National Centre for Biological Sciences, Bengaluru
2. IISC – Indian Institute of Science, Bengaluru

Parks/ Sanctuaries/ National Parks Visited:

1. Banerghatta Zoological Park, Bengaluru
2. Ranganthittu Bird Sanctuary
3. Bandipur National Park

24th February 2016

Department of environmental science had arranged a study tour to visit some prominent institutes and national parks in around Bangalore and Mysore in Karnataka. A group of 27 students from M.Sc. Part I and II had joined this study tour. Onward journey started by Mumbai-Bangalore Udyan Express on 24th February, 2016.

25th February 2016- *Banerghatta National Park*

Team arrived at Bangalore on 25th February, 2016 morning. The same day, post lunch visit was organized at Banerghatta National Park and Safari. Students enjoyed watching the wild animals including tigers, elephants, bears, spotted deers, elephants etc in the open and in close proximity. Then we visited the famous Butterfly Garden where special flowering plants are grown in a scientifically designed enclosure to attract several species of butterflies. Then we moved on to visit the Banerghatta Zoo which hosts a number of rare species of birds, mammals, reptiles etc.

26th February 2016- *Educational Institutions*

Next day, on 26th February, 2016 morning we visited the National Center for Biological Sciences (NCBS) in Bangalore. There, the first meeting was with Dr.

Jayashree Ratnam from the Wild Life Conservation Department. She interacted with students for more than half an hour elaborating upon the kind of research that team is doing specifically on the Savannas. After this session, we were given a guided tour through various research labs. This was followed by a visit to Butterfly garden developed and managed by Dr. Krishnamegh Kunte, who has been working on the wild elephants and then butterflies for several years. His group has developed a scientifically constructed butterfly garden in a controlled environment. It was a unique experience for students to interact with him. This visit was followed by a meeting with another scientist Dr. Deepa Agashe who is working on the beetles for quite a few years.

After these interactive sessions in NCBS, we went to one of the most prestigious research and academic institutes in India, namely, Indian Institute of Science in Bangalore. There, first we had an interactive session with Dr. Indu Murthy from the Sustainability Department. Dr. Murthy is working on Climate change and carbon sequestration mechanisms. She is also involved in REDD and REDD+ programmes for reducing atmospheric carbon dioxide levels. This interaction was quite useful for the students. Later there was an evening session with a renowned environmental scientist, Dr. T. V. Ramchandra for the Center for Ecology and Environment. Session concluded with concluding remarks by Dr. Ramchandra.

On 27th February, 2016 Lalbag Botanical Garden

Morning slot was reserved for visiting Tipu mahal and other tourist activities at Bangalore then we all set out to visit the famous Lalbag Botanical Garden in Bangalore. En route, we also visited Tipu Sultan's palace. Lalbag botanical garden is very old and has hundreds of species of flowering and non-flowering plants. After this visit, we all proceeded towards Mysore by an afternoon train.

28th February 2016- Ranganthittu Bird Sanctuary

On 28th Morning Students checked out from Mysore Youth hostel and started their journey to Ranganthittu Bird Sanctuary. Surrounded by thick vegetation Ranganthittu is a Jewel crested in nature for all bird Lovers. No sooner did students reached the sanctuary, they were welcomed by screeches, tweets and chirpings of thousands of birds; an unfamiliar experience for city dwellers. Students saw many species of birds in large densities nesting within this pristine water body. Major bird population comprised of Egrets, Open bill storks, Painted Storks,

Spot billed Pelicans, Swifts and cormorants with occasional glimpses of pied kingfisher, stork billed kingfisher and other many species. To add to the experience students could enjoy the terrifying presence of highly docile crocodiles floating swiftly alongside the hand roved boats.

After the visit to this lake, students with fulfilled hearts and new dreams left for the Bandipur National Park, a two hour journey

traversing through the thickets of the forest patches.

After reaching Bandipur, Students checked in to Bandipur resort situated right in the heart of forest and left for two back to back wildlife safaris. During these safaris students could spot many birds and small mammals like Black striped Mongoose, Common Indian Mongoose etc.

29th February 2016- *Bandipur National Park*,

On next day students woke up at a first sign of sound and got ready to go for first morning safari with a mission to enter forest first to increase sightings chances. After many misleading analysis of track bus driver decided to take a bus on a less traveled route and the gamble paid off. As soon as we had taken the off bit route driver spotted us the magnificent beast sitting at the sides of the road. He sat their care freely unperturbed by our presence. Siting a tiger in a forest which is well known for lack of sitting was a boost to morale of all the students. This safari was then again followed up by another safari but there were no sittings then. But hearts were already fully content by the things that they had experienced by now. After taking a breakfast we left for the return journey. After reaching Mysore a connecting train dropped everyone at Bangalore from where we took off for Mumbai, reaching on 1st March.

Four Day Training on REDD Plus(Reduction of Emission due to Deforestation and Degradation plus)

Venue: Seminar Hall, Sixth floor, Annex complex

Date : 28th March , 2016 to 31st March, 2016.

Resource person: Dr. Indu K. Murthy

Research Officer, Centre for Sustainable Technologies, Indian Institute of Science, Bengaluru - 560 012

E mail: indu@ces.iisc.ernet.in /

indukmurthy@gmail.com

Ph: 91 80 2293 3016/ 91 80 2334 1838

& Director, Aranya Climate Change Services, Basaveshwara Nagar, Bengaluru - 560 079

E mail: indu@aranyaccs.com

REDD plus has been introduced in the M.Sc. Environmental Science (Autonomous) , curriculum due to its pronounced relevance at national and international policies on climate change. The four day Training program was conducted exclusively for the staff and postgraduate students of M.Sc. Environmental Science (Autonomous) during 28th of March, 2016 to 31st March, 2016.

Achievements of Students in the Year 2015 – 16

Paper presentations

1. Paper presentation by Mr. Bruno Fernandez on “Study of depleting salt pan ecosystem; avifauna and threats” in UGC Sponsored national Seminar on “Wetlands – Present status, ecology and conservation” organized by M.D. College in collaboration with SACON and ATBS on 12th of August 2015
2. Paper presentation by Mrs. Rupal Barya on “*Brachurine Crab diversity at Gujarat Coasts*” in National Conference at Gujrat.
3. Mr. Nakul Patkar & Ms. Krutika Joshi from M.Sc (Sem IV) won 2nd prize in poster presentation competition for their poster on *Waste Audit* during Two Day National Conference on 'Energy Audit for Educational Institutions' on 7th n 8th January 2016. At K C College, Churchgate, Mumbai
4. Study of Peak Expiratory Flow using Peak Flow Meter,' a research paper by Mr. Rupesh Pujari, Priyanka Baria, Elizabeth Abba has been accepted for publishing in the proceedings of *3rd Green Health Conference* having ISBN No.

Documentary

Bruno Fernandez , Msc. Sem (IV) won First Prize at World wetland day Conference for his Documentary on *Mangrove conservation*.

Sports:

Mr. Shreyas Khade won Bronze medal at Inter University Level Shot put Competition

48th Youth Fest , University of Mumbai

1. Mrs. Rupal Barya won 1st prize in *Clay sculpture* modeling at 48th Youth Festival, University of Mumbai .
2. Ms. Priyanka Baria won 2nd prize in *Collage competition* at at 48th Youth Festival, University of Mumbai .

EVS Refresher Course

UGC -HRDC Refresher Course in Environmental Studies (Interdisciplinary)

An Interdisciplinary Refresher Course in Environmental Studies was organized by K J Somaiya College of Science and Commerce under the aegis of UGC Human Resource Development Centre during October 19, 2015 to November 7, 2015.

The course was conducted successfully under the expert guidance of Principal Dr. Vijay Joshi Chief Co-ordinator of the Course. Dr. Sugandha Shetye looked after the meticulous planning and execution of the entire course as Joint Coordinator of the Refresher Course.

The Theme of the course was □ Environmental Consciousness and Sustainable Development□.

Honourable Vice Chancellor Dr. Sanjay Deshmukh formally inaugurated the course and as promised during inauguration delivered an additional lecture on the last day of the course on □ *Use Of Science And Technology Advances To Mitigate Climate Change*'.

Forty four participants from various universities in Maharashtra and India from nine different disciplines like life sciences, chemistry, botany, zoology, Environmental Studies, Environmental Sciences, Geography, Microbiology, Biotechnology attended the course and thus it went very well with the spirit of the course. The experts from National research institutions like Bhabha Atomic Research Centre, Tata Institute of Fundamental Research, National Environment Engineering and Research Institute, Mumbai, Centre for salt and Marine chemical research, Bhavnagar, Educational institutions like University of Mumbai, Institute of Chemical Technology, IIT Bombay, Bombay College of Pharmacy, Kalina, Mumbai, Industries like Godavari Biorefineries, Waterfield Technologies, Glenmark Pharmaceuticals, NGOs like BNHS, Observer Research Foundation, Samuchit Envirotech, Pune, Girivanvasi Prakalpa, Dahanu, Ladybird Environmental Consultancies, Centre for Environmental Education and Development (CEED), Somaiya Trust and Govt. Organizations Indian Patent Office were invited to deliver lectures and share their experiences through very interactive sessions. The multiplicity of topics discussed during the course are as follows:

1. Nuclear power and Nuclear Reactors, Energy conservation and Energy Audit, Urban transportation and solar energy alternatives, Appropriate Technologies
2. Membrane Based Desalination and dewatering with focus on indigenous technologies, Rainwater Harvesting
3. Principles of Ecology, Environmental policy, CRZ and watershed management, Biodiversity Conservation beyond tigers and Biomimicry,
4. Environment Management, Environment Impact Assay, Climate Change and women
5. Sustainable Development and rapid Urbanization, Sustainable initiatives in Rural Development, Citizen Science program
6. Chemistry for Better future, Process intensification using nano-structured aqueous solutions, panel discussion on Applications of Polymers, Environmental monitoring, sampling and analysis
7. Pollution and Human Health: Air pollution and air borne diseases, Cancer and its causes, HIV-AIDS
8. Use of ICT, computer aided learning and research tools
9. Research methodology and writing research proposals

Research Methodology and Grant writing: Several sessions on grant writing, research methodology, funding agencies and Filing patents for innovative ideas and Intellectual Property rights (IPR) were arranged in order to inspire teachers to write research projects proposals.

Use of ICT: The participants were also trained to use simple statistical softwares like R- software and use of MS Excel for statistical treatment and computation and analysis of large amount of data sets.

While the lecture sessions were designed to focus on the diversity of environmental issues along with human experience and environmentally safer technologies, Environmental Management, a series of practical sessions were arranged to impart hands on laboratory skills and field experiences to encourage them for research in environmental sciences. Following practical were conducted with the help of department of Chemistry, Environmental Science and Somaiya Centre for Experiential Learning.

1. Principles of Green Chemistry- Atom economy, Solid state solvent free reactions, Microwave based reactions,

2. Determination of Air Pollution Tolerance Index of different plant species.

Field work: two field activities were planned as an experiential learning.

1.E-Volve Workshop: Nature offers live laboratory for demonstration of multitude of principles, the managers need to understand *viz.* **interdependence, competition, partnership, co-evolution, diversity and sustainability which are the Ecological Principles** A half day innovative and interactive workshop E □ volve was conducted by Dr. Dhanya Nambiar , Director, Centre for Environmental Education at Maharashtra Nature Park to introduce these principles through activities and an innovative method of teaching.

2. Measurement of Tree Carbon Sequestration in the Somaiya Vidyavihar Campus . The participants computed the Carbon sequestered by the trees planted in the SVV campus under the guidance of Mr. Prashant Mahajan.

A **field trip** to Indian meteorological department , IMD at Colaba was arranged to learn the weather forecasting , early warning systems in case of natural disasters like cyclones and floods . The participants also visited recently introduced online air pollution monitoring technologies SAFAR and Radar Doppler system for weather monitoring.

Assignments: The participants were given several assignments during every week like Seminar on the topic of their specialization with environmental aspects, Group discussion on current environmental issues and Preparing and presenting a Research Project Proposal in front of the expert evaluators like Dr. A.K Srivastava and Dr. A.V. Karnik ,University of Mumbai, Dr. S.D.Samant ,Institute of Chemical Technology, Dr. Behnaz Patel, Ruia College, Dr. Sasikumar Menon, Therapeutic Drug Monitoring Lab, Mumbai and Dr. Shubhalaxmi from BNHS. The variety of topics discussed during these sessions reflected their concern and multitude of topics for interdisciplinary research.

Excursion: After all the assignments are completed ,a full day excursion was arranged to Tansa and Modaksagar dams which supply water to the citizens of Mumbai on 5th November, 2015. The participants learnt the mechanism of dam , water supply and distribution from the Chief Engineer Mr. Rajesh Tamhane, Municipal Corporation of Greater

Mumbai(MCGM).

Guest and Visitors: The course participants were graced by interaction with some distinguished personalities from University of Mumbai, UGC and University of Texas, M.D. Anderson Cancer Centre .

Dr. Rajan Welukar, Provost Somaiya Vidyavihar and Former Vice Chancellor, University of Mumbai discussed *the challenges in Higher Education* with the participants.

Dr. H. Devraj , Vice Chairperson of University Grants Commission also made a brief visit during the Course and addressed the participants on various initiatives taken by UGC to encourage teachers for *innovative teaching learning programs and research initiatives*.

Dr. S .Mani, Co Director of the Metastasis Research Centre and Centre for Stem Cell And Development Biology at MD Anderson Cancer Centre discussed the *causes of cancer and environmental pollution* along with the latest research in cancer treatment.

Dr. Anand Karve, Founder and Director, Appropriate Rural Technologies Institution a veteran who have won the Ashden Award for world renowned technologies for rural areas was invited as chief guest for the valedictory function. He narrated his views on rural technologies like smokeless stoves, solar cookers, biomass fuels which is apt to the theme of the course.

Dr. Shanthi, Director, UGC HRDC has extended her guidance and constant support from the inception of the course for successful completion of the various events. It would not have been possible to conduct this Interdisciplinary Course without her support , flexibility, vision and emphasis on quality of the resource persons and time management. Somaiya Management has provided hostel and transport for field visits for the course participants during the entire course.

The Faculty members Dr. Sanjay Joshi, Mr. Chinmay Khanolkar and nonteaching staff Mr. Ajay Pol and Mr. Amit Yadav from the Department of Environmental Science have taken sincere efforts to make all the arrangements for hospitality, experimental sessions and seminar sessions throughout the course with smiling faces to make the program a grand success.

Dr. Sugandha Shetye,
Coordinator, Refresher Course

Geology

1. Geo Activity

a) Dr. (Mrs.) G.V. Rao was appointed Jury M.Arch., at the Bharatiya Vidyapeeth, College of Architecture in February 2016

b) “Geo- Genius”, Departmental Geo quiz activity held on 13th January 2016.

c) Dr.(Mrs.) G.V.Rao was Chairperson at the Nagindas Khandwala College, Malad West, for the IQAC Workshop, 2015

d) Dr. (Mrs.) G. V. Rao Published a textbook in Geology, for Engineering Students of Pune in 2015.

2. The department welcomes Dr. (Mrs.) Jyoti Sharma as the new faculty member in the Department of Geology, from end of August, 2015.

3. The department congratulates Mr. Deepak Sahu on being selected for Ph.D at Pune University this year, and for completing Two years of service at KJSSC

4. Field work

a) A geological field work to Tungreshwar and Uttan Chowk for the SY BSc (6 students) and FY BSc (22 students) was conducted by Mr. Deepak Sahu and Mr. Joel Castelino on 4th Feb 2016.

b) Geological Fieldwork for the M.Sc.-I and TY BSc students was held on 28th December 2015 to 06th January 2016 at Jabalpur, MP.

c) Geological fieldwork to Versova and Madh Island for the SY BSc (11 students) and FY BSc (22 students) was conducted by Dr. (Mrs) G. V. Rao and Dr. (Mrs) Jyoti Sharma on 26th December 2016.

5. Workshop attended

a) Mr. Deepak Sahu attended a workshop in REE exploration held at AMD, Bangalore from 14th December 2015 to 20th December 2015.

b) Dr. (Mrs.) Jyoti Sharma attended a UGC sponsored short term course “Mentoring for student Progression”, held at University Of Mumbai from 14th to 19th March 2016.

6. Ms. Ishita C., Mr. Vinod Menon and Mr. Mahesh Kumar Swami were appointed as

Faculties at the MSC I & II. Mr. Dwayne D'Costa and Mr. Joel Castelino were appointed as Faculties for the Undergraduates

7. Training

a) Four students of MSC I (2014 Batch) attended a summer training at Hutti Gold Mines, Karnataka from 4th May to 9th May 2015.

8. Twelve Students participated in the University of Mumbai ADD ON Certificate Course in RST & GIS, and Two students participated in the University of Mumbai ADD ON Diploma Course in RST and GIS in 2015-2016

9. Six Student internships from May 2015 to June 2015 with the Nokia “HERE “ maps.

IQAC Geo Express

Title of the Event: Inauguration of “Geo Express”;

Date: 16/July/2015

Venue: Room No 309 **Time:** 9.50 am to 10.40 am

Resource Persons: Head and Faculty of Department of Geology

No. of Students attended: 65

No. of Teachers attended: Two

Brief Write up about the event: Under the auspices of the Earth Science Circle, 'Geo Express' a newsletter to showcase the talents and achievements of the students and staff of Geology Department was inaugurated. The Geo Express will keep a monthly track of the academic and co curricular activities and achievements of the students and staff of the Department of Geology.

The newsletter will highlight current geological events related to India and round the globe. In addition a brain teaser, crossword related to earth science, humorous anecdotes will be contributed by student and staff.

The Editorial Board will comprise students from each class. The student editorial board will be mentored and guided by the department faculty. The content will be published following approval of Head, Geology (Chief Editor)

Dr. G. V. Rao

Head, Geology, 16/7/2015

Mathematics

The year began with the retirement of Prof. A.G.Bhoge on 31st July.

Prof Subhash Krishnan then took over the charge. He was appointed as the Dean of Administration and Students Welfare in September, 2015. Prof Subhash Krishnan was also the controller of examinations of the college.

Prof Sudha Agrawal judged the poster and paper presentation activities at Vivekanand college held under their fest Mathemight in January 2016. She also conducted a workshop for teachers and students on 19th January 2016 at Y.T. college of engineering, Karjat; on 'Applied mathematics'. She attended the Enrichment Lecture Series in September 2015, at Jai Hind College, Mumbai and a six day Teacher enrichment workshop on topology at TIFR in February 2016.

Prof Reema Khanna attended the National Conference on "Recent Trends in Mathematics and Statistics" in September 2015, at Maharshi Dayanand College, Mumbai and also the Pedagogical Training For Mathematics Teachers in November 2015 at Institute of Chemical Technology, Mumbai. She also attended the Enrichment Lecture Series in September 2015, at Jai Hind College, Mumbai and a six day Teacher enrichment workshop on topology at TIFR in February 2016.

Both, Prof Prof Sudha Agrawal and Prof Reema Khanna were the resource persons at the workshop on "Basic Course in Algebra and Analysis" in December 2015 at the Department of Mathematics, University of Mumbai, Kalina.

Prof Makarand Niphadkar attended a six day workshop on Complex Analysis in Feb 2016, a three days workshop on Research Based Pedagogical Tools for Teachers of Undergraduate Teachers held at IISER, Pune in March 2016 and a one day workshop on Applications of Linear Algebra on 18th Feb 2016.

Prabhat Kumar Upadhyay joined the department in October, 2015. He attended the workshop on "Basic Complex Analysis" at K.J. Somaiya college of Sci. and Commerce in Feb. 2016, a one day workshop on

"Linear Algebra and Applications" at S.P. college, Pune held on 13th Feb. 2016 and the Teacher's Enrichment Workshop on Topology held at TIFR, Mumbai during 22nd -27th Feb. 2016.

The following are the activities conducted by the department:

A workshop on "English Communication Skills" was organised by the department in September, 2015 for T.Y.B.Sc. Mathematics students by Dr. Hemangi Bhagwat.

Mathletics

Department of Mathematics, K. J. Somaiya college of Science and Commerce paid a tribute to Mr. Srinavasa Ramanujan a great mathematician from India on his 128th birthday i.e. 22nd December 2015 by hosting an event which was totally based on mathematics called MATHLETICS. Srinivasa Ramanujan Iyengar FRS was an Indian mathematician and autodidact who, with almost no formal training in pure mathematics, made extraordinary contributions to mathematical analysis, number theory, infinite series, and continued fractions. Thus his birthday 22nd December is celebrated as National mathematics day. All the students came up with bright and ingenious ideas to make it a grand success.

Dr. Vijay Joshi, Principal inaugurated the event. He encouraged the students and wished them success for the event. It was an inter-collegiate event where students from various colleges came to compete and show their mathematical skills. The number of participants depicts the success of the event, as being held for the first time of its kind MATHLETICS witnessed 127 participants.

All the competitions which were held were mathematics based. Various events under different domains such as creativity, quiz competition, treasure hunt, solve errors and mini games were the part of MATHLETICS 2015. Under creativity there were different competitions such as mehendi competition, nail art, rangoli competition and logo competition. The logo of the winner in the logo competition was selected as the logo of MATHLETICS. Treasure hunt was the biggest success as it witnessed maximum participants. Students from various classes (FY, SY, TY Bsc) well coordinated among each other to organize all

the competitions in an organized way. There were students from junior college also who were very well engaged in volunteering for the competitions. The contribution of teachers in guiding the students in organizing the events successfully was also appreciable.

The students who emerged victorious in various competitions were felicitated by the faculty members. Mr. Omkar Girkar from Ruia College was rewarded by giving the title as 'MAN OF MATHLETICS 2015' for his great performance throughout the event.

Complex Analysis Workshop

Report on the 6 Days NBHM sponsored workshop on BASIC COMPLEX ANALYSIS

The Department of Mathematics in collaboration with the University of Mumbai had organized a 6 days workshop from 1st February, 2016 to 6th February, 2016. Since it was a six days workshop in collaboration with department of Mathematics of the University, it is considered as a short term course. It can be considered for the API of a teacher participant. The National Board for Higher Mathematics sponsored the workshop with a total funding of Rs. 95000/-.

The workshop was inaugurated by our Principal Dr. Vijay Joshi at 10 am. Prof. Reema Khanna called upon the Principal sir to welcome the participants after the campus prayer. Principal sir appreciated the efforts taken by all for the workshop and said that teachers should not use this only for getting their API score but also for understanding and deliberating on the subject. The head of the department Prof. Subhash Krishnan then spoke about the workshop and the primary concern. He explained that with the help of Prof. Jyotshana V. Prajapat, the head of the department of Mathematics at the University, they obtained the NBHM funds. Prof. Sudha Agrawal introduced Prof. Jyotshana V. Prajapat, the Co-organising secretary and also the main resource person for the workshop. Prof. Dr. J. V. Prajapat spoke about what to expect from the workshop and finally Prof. Prabhat gave vote of thanks. In all 35 Teachers from 25 colleges participated in the workshop.

The workshop was primarily organized for smooth implementation of the topic of Complex Analysis introduced for the first time in the history of

University of Mumbai in the under graduate syllabus at the T.Y.B.Sc./T.Y.B.A. level.

The participants were given two textbooks (Complex Analysis by Churchill and Complex function theory by Sarason) prescribed in the syllabus as reading material apart from the tutorial sheets that were used during the tutorial sessions.

Every day there were two lectures of 90 minutes duration and two tutorials of 60 minutes duration.

The feedback of one of the resource person summarizes the workshop: When asked for suggestions for improvement said "perfection cannot be perfected". Every participant went back with confidence and requested that more of such workshops should be arranged by our college. Two participants were not given their certificates as they did not have the minimum number of attendance required by the organizing committee.

Microbiology

Enriching Expression-I Report

Title of the Event: "Blood and its components"

This event was conducted on 12th September, 2015. Dr. Hashmathara Jabbar completed her Ph.D from K.J. Somaiya College of Science and Commerce under the able guidance of Dr. K.N. Joishy, former Head, and Department of Microbiology. She has been working in the field of biopharmaceuticals for past 18 years

The speaker established the significance of Blood in the human body elaborating its constituents and functions. She also highlighted the use of blood as a basic raw material of a huge industry called 'Plasma Fractionation' yielding a variety of therapeutic agents for patients suffering from various deficiencies and diseases, albumin being one of the major plasma protein of current interest. The major global companies involved are Baxter, Kedrion, etc. She emphasized the different technological processes employed to meet the challenges and opportunities of this Industry.

The seminar was well attended and well received by the undergraduate and Post graduate students. The guest was presented a memento of a painting made by one of the department's current student, Ms. Tehreem Khan Ayub. The entire programme was conducted by the students. Mrs. Shailaja Girishankar, Head, Department of Microbiology recounted the guest's well versed abilities in Immunology.

Enriching Expression-II REPORT

Title of the Event: "Career in Scientific Writing"

This event was conducted on 16th January, 2016. The speaker Dr. Amol Hosing is currently working as a Scientific writer, Novartis Healthcare Pvt. Ltd., Hyderabad. He has completed his graduation in 2001 and post-graduation in 2003 from K.J. Somaiya College of Science and Commerce, his Ph.D from ACTREC, Tata memorial Centre and Post doctoral research from Department of Radiation Oncology, University of Virginia, USA.

The session began with the introduction of the guest and felicitation with a painting made by an F.Y.B.Sc student, Ms. Pragati Shete. The speaker highlighted the difference between medical writing and Scientific writing. He elaborated that medical writing pertains to writing for regulatory authorities and Scientific writing includes writing for Scientific Journals and for publications. Scientific writers find several career options in Government agencies, pharmaceutical industry and can also work as a free-lancer. Some of the agencies include Indigene, Cactus, etc. This session provided the students an added vista of career to look forward to. The session was attended by undergraduate and post graduate students.

Microbio Olympiad-3

Title of the Event: 15TH STATE LEVEL MICROBIOLOGICAL OLYMPIAD

This event was conducted on 8th January, 2016. The Department of Microbiology, K.J. Somaiya College of Science and Commerce organised the Preliminary test for the 15TH STATE LEVEL MICROBIOLOGICAL OLYMPIAD. Totally 77 students from the Department of Microbiology participated in the examination (26 F.Y.B.Sc, 27 S.Y.B.Sc and 24 T.Y.B.Sc students).

The screening test was conducted on the 8th of January 2016 in the college. The test comprised of 50 objective type test questions. There was a different paper for

different levels. Of all the participants 15 F.Y.B.Sc, 19 S.Y.B.Sc and 17 T.Y.B.Sc students qualified. All the qualified participants were awarded a certificate of participation.

K.J. Somaiya college of Science and Commerce was at the 15th position in the T.Y.B.Sc category with the average of top 3 students being 58.67 %. The college ranked 20th in the S.Y.B.Sc category with the average of the top 3 students being 54.00%. In the F.Y.B.Sc category the college stood 5th with the average of the top 3 students being 64.00%.

Among the participants, Ms. Vaidehi Bhagwat of F.Y.B.Sc (Microbiology) **topped the State with 76% marks.**

Mr. Simab Khan of S.Y.B.Sc (Microbiology) scored 58% marks, Ms. Jill Gada and Ms. Devangi Mehta of T.Y.B.Sc (Microbiology) scored 60% marks. All these 3 students stood first amongst the participants of the college.

The F.Y.B.Sc participants, Ms. Vaidehi Bhagwat, Ms. Mitali Talekar and Ms. Ashwini Bhisale were selected for the final Quiz round which was held on 27th Jan 2016 at R. C. Patel Arts, Commerce and Science College, Shirpur. Prof. Shabib Khan had accompanied the students to Shirpur. The team of the above trio stood fourth in the finals. **Ms. Vaidehi Bhagwat was awarded the gold medal for standing first in the state in the F.Y.B.Sc category.**

This event was coordinated by Mrs. Shailaja Girishankar, Head, Department of Microbiology and Dr. Lolly Jain.

Title of the Event: MICROSCOPE- 2015 "Explore Life under Lenses"

Department of Microbiology organized their annual Inter-Collegiate fest MICROSCOPE- 2015 on 2th September, 2015. This year it was organized under Star College Scheme. In all 133 participants participated in the event. The event witnessed students from Ruia College, SIES College, Vaze College, CHM College, K.J. Somaiya College of Science and Commerce, L.D Sonawane College, Sophia College and Bhavans College. It was a one day event which consisted of Power-Point Presentations, Poster Presentations, Biorangoli, Hocus-Focus, Neuron Chakravayuh, Ad-Mad show, Micro-Combat, Spell-Bee, Arabian Nights and How Deep Is Your Love For Biology?

Resource Persons: EXTERNAL JUDGES FOR THE EVENT

1. Prof. Mrs. Seema Ronghe, Associate Professor, Head Department of Microbiology, SIES College
2. Dr. Sneha Panwalkar, Co-ordinator Department of Biotechnology, G.N.Khalsa College
3. Dr. Meenal Dukhande, Assistant Professor in Microbiology, G.N.Khalsa College

INTERNAL JUDGES: (K.J.Somaiya College of Science and Commerce)

1. Mrs. Supriya Janabandhu, Associate Professor in Botany,
2. Dr. Amol Patwardhan Assistant Professor in Zoology.
3. Mrs. Hemangi Kotibhaskar, Assistant Professor in Biotechnology

Vice-Principal Dr. Pradnya Prabhu, Dr. Sneha Panwalkar, Co-ordinator Department of Biotechnology, G.N.Khalsa College and Prof. Mrs. Shailaja Girishankar Head, Department of Microbiology K.J.Somaiya College of Science and Commerce, were the dignitaries present at the Inauguration. The participants showed great enthusiasm and the Arabian Nights was the most awaited item. It was the star event of the fest and everyone had fun during this event. Finally, there was the valedictory function where the efforts of the participants as well as the volunteers were appreciated.

MICROSCOPE -2015 was sponsored by Hi-Media Laboratories. F.Y.B.Sc., S.Y.B.Sc. and T.Y.B.Sc. students worked as volunteers for the events. Mr. Mihir Gilbale from F.Y.B.Sc., Ms. Devyani Dongre and Mr. Srinjoy Chakraborty from S.Y.B.Sc. were the co-ordinators for MICROSCOPE-2015. Teaching and non teaching staff of the Department of Microbiology extended their support for the event. Mrs. Hemlatta Chakraborty worked as Convenor and Mr. Shabib Khan worked as Co-Convenor from Department of Microbiology for MICROSCOPE-2015.

Overall, MICROSCOPE 2015 was a grand success.

Industrial visit-1

Department of Microbiology organized one day visit to Sula Wines, Nasik for M.Sc II and T.Y.B.Sc. students on 3rd September, 2015. Four staff members accompanied the students. The session began with a brief introduction to the Sula Wines, delivered by one of the Instructor which consisted of information on

production site, weather and favorable geographical conditions. The students were taken to the production unit, where they observed the raw material processing, fermentation tanks, storage and maturation of wines. They visited the storage section which had exhibits displaying information about Sula wines from its beginning till date.

Overall the visit proved very useful to the students.

Industrial visit-2

The visit to Somaiya hospital blood bank was organized by Dr. (Mrs) Unnati Padalia, Assoc. Professor in the Department of Microbiology for students of S.Y.B.Sc. on 10th December, 2015. Blood collection, blood fractionation along with plasma and blood bags were shown to students. The techniques like ELISA for detection of HIV antigen and antibody using ELISA reader were demonstrated. Students could also observe Hepatitis B antigen and antibody detection by ELISA. Major and minor cross matching tests were also demonstrated. Students were also taken for a visit to Pathology, Endocrinology and Anatomy museum.

Industrial visit-3

Department of Microbiology organized an Industrial Visit for S.Y.B.Sc. and T.Y.B.Sc. students from 04th December-11th December, 2015 to Bangalore, Mysore. 24 students from S.Y.B.Sc. and 12 students from T.Y.B.Sc. were accompanied by 03 staff members. The students visited Government Botanical Garden and enjoyed local sightseeing at Ooty on 6th December 2015. They visited Pasteur Institute on 7th December at Coonoor, Ooty. The visit included a comprehensive lecture on Rabies vaccine by Senior Scientist Dr. Jagannathan followed by visit to the Institute museum which consisted exhibits demonstrating the development of the institute from its inception till date. Students were given the demonstration of handling of experimental mice and guinea pigs and were also given information about current trends and career prospects in the world of vaccines and pharmaceutical field. On the return journey students visited a Chocolate factory and Dolphin Nose Point. They also visited a Tea factory where the process of tea leaves harvesting, processing and testing was demonstrated. In the evening students visited Boat club and enjoyed different adventurous games. On 8th December they were taken to Mysore Zoological Park, St. Philomenas church and for shopping local sandalwood handicrafts and Mysore silk textile materials. On 9th December the students with faculty visited Central Food Technological Research Institute CFTRI. It is a CSIR Laboratory involved in research on different food technologies. The visit consisted of a lecture by Dr. Prasad (Senior Scientist) in which

students were given the information about the basic and advance research being carried out at CFTRI related to food processing, nutrition analysis, quality, taste, molecular biology. Students visited Mysore Palace and Brindavan gardens. Then they started their journey for Bangalore. On 10th December visit to Institute of Bioinformatics and Applied Biotechnology IBAB. Was planned where students visited the Molecular Biology Laboratory , Bioinformatics Laboratory and observed displayed Scientific Posters. The return journey started from Bangalore on 10th December and then reached Mumbai on 11th December.

Overall the Industrial visit consisted of interesting visits to reputed institutes of national importance where students could observe the latest technologies and interact with the researchers in different fields of Life Sciences.

Industrial visit-4

Vermicomposting at Enviro-vigil, Agro park

1. An Industrial visit was organized for S.Y.B.Sc. students to Enviro-vigil, Agro park, Kalwa, on 29th January 2016.
2. Students were taught about vermicomposting, kitchen waste management and biogas production on small scale.

WORKSHOP-1

Molecular Biology

24th -25th June, 2015: 30 T.Y.B.Sc. students (15 students of 6 units and 15 students of 3 units) and one staff member attended the two day workshop on “Molecular Biology Techniques” organized by the Department of Botany of K.J.Somaiya College of Science and Commerce in collaboration with National Facility for Biopharmaceuticals, Khalsa College, Matunga, Mumbai from 09am to 05pm at Neutraceuticals Laboratory, Satellite building of K.J.Somaiya College of Engineering. During the workshop students were given hands on training in techniques such as Plasmid isolation, PCR, SDS-PAGE and Transblot. The two days workshop proved to be very useful for the students.

WORKSHOP-2

Basic Techniques in Animal Tissue Culture T.Y.B.Sc. Microbiology students visited Department of Biotechnology G.N.Khalsa College for a one day workshop on Animal Tissue Culture on 26th August, 2015 under Star College Scheme from K.J.Somaiya College of Science and Commerce. Dr. Lata Joseph and Dr. Sneha Panwalkar were the

resource persons for the workshop. The session began with a Lecture on Basic Techniques in Animal Tissue Culture followed by a hands-on session in the Laboratory. The basic technique of Candling of egg, disinfection and dissection to mount chick embryo was demonstrated followed by which every student performed the technique of disinfection and dissection of embryonated chicken eggs. Students were also shown the technique of counting the cells by haemocytometer and the use of Phase Contrast Microscope. The students were taken to Molecular Biology Laboratory to observe the Laminar air Flow, Animal Tissue Culture section and other instruments .

WORKSHOP-3

Vitek 2 and Advanced Phase contrast Microscopy

The Department of Microbiology at K.J. Somaiya College of Science and Commerce organized a two day extensive hands on workshop on the use and theory of two very important Laboratory instruments, i.e. Vitek 2 and Advanced Phase contrast Microscopy. The entire workshop was designed and handled by the entire Dept. of Microbiology at K.B.P. College. This workshop proved to be a very important one because it gave an insight as to how instrumentation is needed and how it is a crucial part in any and all forms of analysis and research. These two laboratory instruments are the latest in the field of Microbiology. Students got to learn the detail of cell cytology with the help of phase contrast microscope and a quick identification of bacterial culture by using a fully automated machine. 26 students participated in the work shop on 7th and 8th of September and 27 students participated on 9th and 10th of September for the same workshop. 3 staff members also participated in the workshop along with the students.

By participating in this workshop, the students got the exposure to handle advanced automated instruments. The students got hands on training on how the identification is done using a VITEK-2 machine and the advanced phase contrast microscope helped the students in studying cell cytology and motility of bacterium.

A lecture on “On-Line Courses”

A lecture on On-Line Courses was organized on 4th December, 2015 for T.Y.B.Sc. and S.Y.B.Sc. Microbiology students. The resource person was Dr. Sonal Patel. The Lecture emphasized on edx On-Line Courses for students. Dr. Sonal Patel initiated the Lecture with an introduction to edx, the contribution of Harvard University, the course

structure, design, duration and the significance of the courses with respect to the current undergraduate syllabus. Course pamphlets were distributed to the students. The lecture motivated the students to register and understand the latest innovative On-Line Courses. Lecture was co-ordinated by Dr. Unnati Padalia.

A lecture on “Quality assurance and Quality control”

Department of Microbiology organised a seminar on 24th February, 2016 on “Quality Assurance and Quality Control”. The seminar was delivered by Dr. Jyoti Patel, former Vice President at Reliance Life Center. Dr. Unnati Padalia welcomed the gathering and Prof. Shailaja Girishankar, HOD, introduced the speaker. It was attended by M.Sc Part 1 and 2 students. Dr. Patel elaborated on the concepts and techniques pertaining to Quality Control and Assurance. The speaker highlighted the recent advances and stringent techniques that are being adopted in the industries. She also detailed on Pyrogen tests. The seminar included power point presentation and the video clips on the topic.

NEBULA -2016

Nebula is tradition that the students of the Department of Microbiology have been following for years now. It is an occasion where the juniors bid their seniors a farewell and wish them all the best for their futures.

This academic year, Nebula was held on 12th of April, 2016 at the S.K. Somaiya Vinay Mandir hall. The first event was a game to enhance the interaction between our third year students and the first year students. Many such games were played where even the teachers participated. A dance performance was presented by a group of first years. Second years presented a small musical presentation.

Our Principal, Dr. Vijay Joshi addressed the gathering. His inspiring words and the sheer friendliness is the reason why he is so much loved by the students. Following Principal Sir's speech, our Head of the Department, Prof. Mrs. Shailaja Girishankar with her kind words wished all our Third year students all the best for their career and their future.

The gathering ended with a DJ party for all the students to enjoy and have fun.

Mrs. Shailaja Girishankar

1. Attended NAAC sponsored two day National

level seminar on Innovations in Teaching-Learning and Evaluation in Higher education on 26th -27th February 2016 organized by IQAC of SIES college of Arts, Science and Commerce.

2. Poster presentation with the student Ms. Sayali Hande on Characterisation of fermented Rice broth and Isolation Identification of Lactic Acid at Sajjan Gupta Konark memorial Award 2016 on 15/1/2016.
 3. Poster presentation with the student Ms. Sayali Hande on Characterisation of fermented Rice broth and Isolation Identification of Lactic Acid at St. Xaviers college 2016 on 20/1/2016.
 4. Poster presentation with student Ms. Sayali Hande on Characterisation of fermented Rice broth and Isolation Identification of Lactic Acid at Vikas College on 20/2/2016.
 5. Poster presentation with student Mr. Tushar Mohite on Production and applications of B-cyclodextrins at Sajjan Gupta Konark memorial Award 2016 on 15/1/2016.
 6. Co-ordinates for elective course – communication skills and personality development.
 7. Convenor of Placement cell.
 8. Member of Women Development cell.
- Award:-
9. Received Long Service Appreciation Award on 5th September 2015 from Somaiya Trust. Organized
 10. A talk for M.Sc. students by Dr. Arunan Researcher, Homi Bhabha centre for science education.
 11. A talk for M.Sc. students on “How to enter IIT” and career counselling on 16th September 2015.

Dr. Unnati Padalia

Research Contribution

1. Presented 8 Papers at the National Conference.
2. Presented 7 Papers at the International Conference.
3. Presented 6 Papers at the Local Conference.
4. Research Awards Won: 3
5. Research Publications in International Journal: 8

Research Awards Won: 3

6. Madhavi Londe and Dr. Unnati Padalia won

the First Prize for the Research Paper for the Oral Presentation titled “Isolation and screening of wild yeasts for maximum xylitol production”.

7. Shailaja Menon and Dr. Unnati Padalia won the Second Prize for the Research Paper for Poster Presentation.
8. Pooja Singh and Dr. Unnati Padalia won the Second Prize for the Research Paper for Poster Presentation.

Research Publications:

9. Miriam Stewart and Padalia Unnati (2015) Electron beam irradiation-An environmentally safe method of fungal decontamination and food preservative: A review article ISSN: 2320-7817(p) 2320-964X (o) International Journal of Life Sciences pg 7-10.
10. Londhe Madhavi and Padalia Unnati (2015) Isolation and screening of wild yeasts for maximum xylitol production ISSN: 2320-7817(p) 2320-964X (o) International Journal of Life Sciences pg 11-18.
11. Singh Pooja and Padalia Unnati (2015) Evaluation of antifungal activity of chemically synthesized chalcone derivatives against *Candida albicans* ISSN: 2320-7817(p) 2320-964X (o) International Journal of Life Sciences pg 70-72.
12. Bhamre Pradyna and Padalia Unnati (2015) In-vitro antifungal activity of bacterial biosurfactants. ISSN: 2320-7817(p) 2320-964X (o) International Journal of Life Sciences pg 77-80.
13. Salgaonkar Snehal and Padalia Unnati (2015) Development of herbal hand wash gel ISSN: 2320-7817(p) 2320-964X (o) International Journal of Life Sciences pg 86-88.
14. Bari Kishor and Padalia Unnati (2015). In-vitro antimicrobial activity of fungi from extreme environment, ISSN: 2320-7817(p) 2320-964X (o) International Journal of Life Sciences pg 92.
15. Singh Pooja and Padalia Unnati (2015) Effect of chemically synthesized Coumarin derivative against *Candida albicans* as an antifungal agent

ISSN: 2320-7817(p) 2320-964X (o) International Journal of Life Sciences pg 105-108.

16. Menon Shailaja and Padalia Unnati (2015) Field examination of *Glomus* a mycobiont. ISSN: 2320-7817(p) 2320-964X (o) International Journal of Life Sciences pg 73-76.
- 17.2 Research Papers are accepted for Publication in Bionano Frontier Journal.
18. Mrs. Padmaja Damle completed her Ph.D work and submitted synopsis to the University of Mumbai.
19. Ph.D. Research topic Mrs. Miriam Stewart was approved by the Research and Recognition Committee, University of Mumbai.

ACADEMIC CONTRIBUTION

1. Attended workshop on Advance Phase Contrast Microscopy and Vitek-2 from 7th -8th Sept. 2015 at Karmaveer Bhaurao Patil College, Vashi.
2. Appointed Convenor of Research Monitoring Committee. Organised a Workshop by Dr. Krishna Bhuvan on “Types of Research and Funding Agencies” on 17th September, 2015 for M.Sc. and Doctoral Students.
3. Committee Member of Literary Association.
4. Member of Magazine Committee.
5. Organised Research Scholars Meet (RSM) on 21st September, 2015 where M.Sc. by Research and Ph.D. students from Chemical Sciences and Biological Sciences made a Power Point presentations to the Research Advisors for Critical evaluation.
6. Had organised a visit to Blood Bank, K.J. Somaiya Medical College and Hospital for T.Y. B.Sc. students for demonstration of ELISA technique for detection of HIV Antigen and Antibody, Hepatitis B Antigen. Students were also shown Blood fractionation and Storage Units. Students were taken to Pathology Museum for showing them Infected Pathological organs.
7. Organised Brain Storming Panel Discussion

involving eminent authorities from Industry, Other Colleges, and Departmental Staff, to review and understand latest trends with respect to M.Sc. (Part I) autonomous syllabus.

8. Organised Board of Studies meeting for framing M.Sc. (Part I) autonomous syllabus.
9. Organised a Seminar for M.Sc. students by Dr. Jyoti Patel, former Vice President, Reliance Life Sciences, on “Quality Control, Quality Assurance, Pyrogen Test” on 24th February, 2016.
- 10 Member of Micology Society of India (Mumbai Chapter).
- 11.Life Member of Association of Microbiologists of India.
- 12.Project Guide for 24 S.Y. B.Sc. Students under Star College Scheme for Isolation of Pathogens from various Vegetables.
- 13.Appointed as a Panel Judge for Best Student award.
- 14.Compeer for Induction Programme for PG Students.

Extra Curricular Contribution

- 15.Organised a Workshop on “Yoga for Fitness and Concentration” by Professor Bagadia from Sankriti Pitham, SIMSR, for S.Y. B.Sc. students on 18th June, 2015 to commemorate International Yoga Day held on 21st June, 2015.
- 16.Managing Council Member of Arya Pradesh Sabha – Managing 15 Gurukul Educational Institutes comprising of Primary, Secondary, Higher Secondary Schools and Degree College.
- 17.Appointed Local Managing Committee Member of Secondary, Higher Secondary and Degree College of Arya Pradesh Sabha.
- 18.Organized a Seminar for M.Sc. students by Dr. Jyoti Patel, former Vice President, Reliance Life Sciences, on “Quality Control, Quality Assurance, Pyrogen Test” on 24th February, 2016.
- 19.Organized Cultural Programme for S.Y. B.Sc. Students, where Students showcased their Singing Talent.

- 20.Organized Community Awareness programme by S.Y. B.Sc. Students on prevention of Infectious Diseases like Dengue, Leptospirosis, Malaria, Dysentery, etc. In the nearby Slum areas.

Mrs. Hemalata Chakraborty

1. Attended workshop on Vitek-2 from 7th -8th Sept. 2015 at Karmaveer Bhaurao Patil College Vashi.
2. Attended Lecture on “Innovations in Biotechnology” on 31st Oct.2015 at D. Y. Patil University.
3. Received research grants from University of Mumbai for project “Studies on siderophore producing bacteria” for duration 2015-2016.
4. Organized MICROSCOPE-2015 for F. Y. BSc. Student at K. J. SSC.
5. Convenor for MICROSCOPE-2015 at Inter-collegiate event on 2nd Sept.2015 at K.J.SSC.
6. Presented poster with student Dixia on “Antioxidant profile of oscimum Sanctum grown on different media”at Sajjan Gupta Konark memorial Award 2016 on 15/1/2016.
7. Presented poster with student Runali C. on “Evaluation of bacterial isolate capable of growth on pollutant and application in bioremediation” at G.N. Khlasa College.
8. Presented poster with student Runali C. on Evaluation of bacterial isolate capable of growth on pollutant and application in bioremediation” at Sajjan Gupta Konark memorial Award 2016 on 15/1/2016.
9. Presented poster with student Ms.Runali C. on Evaluation of bacterial isolate capable of growth on pollutant and application in bioremediation” at St. Xaviers College.
10. Presented poster with student Ms. Shalaka K. on Production of Lip[ase and their potential application in food at Sajjan Gupta Konark memorial Award 2016 on 15/1/2016.
- 11.Presented poster with student Mohamed R. on “Biodiesel extraction from algae”at Sajjan Gupta Konark memorial Award 2016 on 15/1/2016.
- 12.Presented poster with student Mohamed R. on

“Biodiesel extraction from algae” St. Xaviers College.

13. Research publication in International journal of applied and pure sciences and agriculture on “Effect Siderophore on plant growth promotion.
14. T.Y. B.sc and S.Y. B.Sc. were taken for industrial visit at Pasteur institute, Coonoor, CFTIR (Central Food Technological Research Institute) at Mysore and IBAB (Institute of Bio-informatics and Applied Bio-technology, Bangalore. S.Y.B.Sc
15. students were taken for an educational tour at the Nisargruna Biogas plant at the Bhabha Atomic Research Centre, Mumbai. Here the students were shown how the process biodegradable waste such as kitchen waste, paper, grass, gohar and dry leaves. It offers Zero garbage and Zero effluent and provides high quality manure and methane gas. Weed free manure obtained from such waste has high nitrogen contents and acts as an excellent soil conditioner.

DR. (MRS.) LOLLY JAIN.

ACADEMIC/ FACULTY DEVELOPMENT:

1. UGC sponsored Short term Course on 'Research Methodology in Basic Sciences' organized by HRD Centre, University of Mumbai at R.J. College, Ghatkopar from 14th to 19th Dec. 2015.

2. RESEARCH PAPER'S PUBLISHED :

3. Paper published in Global Journal for Research Analysis, Vol. 04, Issue no. 04, April 2015, pg. 41 – 43 (an International Research Journal) titled “Use of aqueous extract of cranberry in the treatment of urinary tract infections during pregnancy.” By Patil Snehal, Jain Lolly. ISSN 2277 – 8160 and Impact factor: 3.1218.

4. RESEARCH PROJECTS GRANTS RECEIVED:

5. University of Mumbai Research Grant of Rs. 20,000/- for project titled 'Isolation of microbial prodigiosin producers and studying the application of prodigiosin'.

6. PAPERS OR POSTERS PRESENTED

7. Paper Presentation on 'Effect of Sound OM on microbial activity' at the International Conference on Science and Jain Philosophy organized by IIT Bombay, Powai on 8th Jan 2016 to 10th Jan 2016 by Vallary Belsare, Lolly Jain. Abstract published in proceedings.
8. Paper Presentation on 'Reinforcing Culture of Excellence through IQAC' at the National Conference on College IQAC: Meaning and Manifestations organized by Kirti M. Doongursee College, Dadar on 30th Jan. 2016 by Vijay Joshi, Pradnya Prabhu, Lolly Jain, Madhavi Jardosh. Abstract published in proceedings.
9. Paper Presentation on 'Innovative Practices in Curriculum designing' at the National Conference on College IQAC: Meaning and Manifestations organized by Kirti M. Doongursee College, Dadar on 30th Jan. 2016 by Vijay Joshi, Pradnya Prabhu, Lolly Jain, Chandana Basu. Abstract published in proceedings.
10. Paper Presentation on 'Innovations in Teaching and Evaluation' at the National Conference on Innovations in Teaching-Learning and Evaluation in higher education organized by SIES College of Arts, Science and Commerce, Sion on 27th Feb. 2016 by Vijay Joshi, Pradnya Prabhu, Chandana Basu, Lolly Jain, Madhavi Jardosh. Abstract published in proceedings.
11. Presented Poster titled 'Antimicrobial activity of banana, orange, and pineapple peels and application of polyphenol oxidase enzyme for degradation of pollutants.' by Nikita Gelye, Lolly Jain in the National Maker Mela organized by Somaiya Vidyavihar trust, Vidyavihar on 11th Oct. 2015.
12. Presented Poster titled 'The effect of audible sound on microbial activity' by Vallary Belsare, Lolly Jain in the National Maker Mela organized by Somaiya Vidyavihar trust, Vidyavihar on 11th Oct. 2015.
13. Presented Poster titled 'Antimicrobial activity of fruit peels and application of enzyme isolated from banana peels as a pollutant degrader.' by Nikita Gelye, Lolly Jain, in the Intercollegiate Poster Competition (PG level) organized by

G.N.Khalsa College, Matunga on 9th January 2016. Was awarded the First Prize.

14. Presented Poster titled 'Antimicrobial activity of fruit peels- Utilization of waste' By Nikita gelye, Jain Lolly at The Sajjan Gupta – Konark Memorial Award 2016, 6th research meet organised by Konark Group and Wilson College on 15th Jan. 2016. (Post graduate)
15. Presented Poster titled 'The effect of sound on microbial activity' By VallaryBelsare, Jain Lolly at The Sajjan Gupta – Konark Memorial Award 2016, 6th research meet organised by Konark Group and Wilson College on 15th Jan. 2016. (Post graduate)
16. Presented Poster titled 'Isolation of microbial prodigiosin producers and studying the applications of prodigiosin.' By DivyaChauhan, Jain Lolly at The Sajjan Gupta – Konark Memorial Award 2016, 6th research meet organised by Konark Group and Wilson College on 15th Jan. 2016. (Post graduate)
17. Presented Poster titled 'Antimicrobial activity of nutmeg (*Myristicafragrans*) extract' By Tanvi Shah, Jain Lolly at The Sajjan Gupta – Konark Memorial Award 2016, 6th research meet organised by Konark Group and Wilson College on 15th Jan. 2016. (Post graduate)
18. Presented Poster titled 'Antibacterial effects of Panchamrit' By DevyaniDongre, Jain Lolly at The Sajjan Gupta – Konark Memorial Award 2016, 6th research meet organised by Konark Group and Wilson College on 15th Jan. 2016. (Under graduate)
19. Presented Poster titled 'Synthesis and antibacterial properties of CuO and ZnOnanofluids' By VrutujaNaik, Jain Lolly at The Sajjan Gupta – Konark Memorial Award 2016, 6th research meet organised by Konark Group and Wilson College on 15th Jan. 2016. (Under graduate)
20. Presented Poster titled 'Isolation of Ink degrading microorganisms from soil and sewage water' By TanviKhapare, BhavishaKhuman, SonaliKamble, ManaliAjagekar, Naznin Khan, PallaviWadagbalkar, PreetiBhise, SaraswatiKokane, ShubhangiKanade, Jain

Lolly at The Sajjan Gupta – Konark Memorial Award 2016, 6th research meet organised by Konark Group and Wilson College on 15th Jan. 2016. (Under graduate) 21. Presented Poster titled 'Antimicrobial activity of fruit peels- Utilization of waste and application of enzyme extracted from banana peels' By Nikita gelye, Jain Lolly at The CONSORTIUM – Environmental Microbial Biotechnology meet organised by St. Xavier's College, Autonomous, Mumbai on 20th Jan. 2016. (Post graduate)

22. Presented Poster titled 'Antimicrobial activity of fruit peels- Utilization of waste' By Nikita gelye, Jain Lolly at The Multidisciplinary International Conference on 'Science, Sustainability, and Society in the current scenario: Challenges and Opportunities.' organised by Vikas College of Arts, Science and Commerce, Vikhroli on 20th Feb. 2016.

1. WORKSHOPS / SEMINARS / SYMPOSIUMS ATTENDED:

2. Lecture series on 'Innovations in Bionanotechnology' organized by D.Y.Patil University, Navi Mumbai on 31st Oct, 2015.
3. Two day Workshop on 'VITEK-2 and Advance Phase Contrast Microscope.' organized by KBP College, Vashi for S.Y.B.Sc students from 7th Sep to 8th Sep 2015.
4. Two Day National Level Workshop on 'Biostatistics in teaching and research' organized by D.G. Ruparel College of Arts, Science and Commerce, Matunga, from 4th to 5th Sep 2015.
5. Three day workshop on 'Understanding the IMC Ramkrishna Bajaj National Award Criteria for Performance Excellence and writing the IMC RBNQA Application Report' organized at WalchandHirachand Hall, 4th Floor, IMC, Churhgate on 22nd April to 24th April 2015.

6. CONCEPT DEVELOPED FOR:

7. Event Planner of KJSSC 2015-16 under IQAC.

8. PUBLISHED:

9. Biophysics Bulletin 2014-15 as co-editor.
10. Biophysics Bulletin 2015-16 as co-editor.

11. EXAMINATIONS: 12. External examiner for T.Y.B.Sc. Microbiology Practical exam at Nagindas Khandwala College, Malad on 14th, 15th and 16th Sep. 2015.
13. Appointed Examiner for M.Sc. II Microbiology (Practical), University of Mumbai for Semester III-Oct. 2015 and Semester IV.
14. Appointed Examiner for M.Sc. II Microbiology (Theory), University of Mumbai for Semester III-Oct. 2015 and Semester IV.
15. WAS INVITED AS A RESOURCE PERSON/ SUBJECT EXPERT/ JUDGE FOR:
16. Speaker, Panel Discussion on 'Mobile-a Boon or Curse' for the Shri Jai Shwetamber Terapanth Mahila Mandal, Ghatkopar in 2015 at Terapanth Sabha Bhavan, Ghatkopar.
17. Induction Cum Orientation Programme for F.Y.B.Sc students at K.J. Somaiya College of Science and Commerce, Vidyavihar, Mumbai, on 25th July 2015 organised at Engineering College Auditorium.
18. Was invited to judge Rangoli Competition organised under intercollegiate Festival Zorilla organised by Department of Zoology on 15th and 16th Jan 2016.
19. Was invited as a judge for Elocution competition on 'Kehtahainhar Dharm: Prarthnahai Jeevanka Mul mantra' organised by Shri Jain Shwetamber Terapanth Mahila Mandal, Ghatkopar in Jan 2016 at Terapanth Sabha Bhavan, Ghatkopar.
20. Was invited as a judge for Hand Bag Making competition organised by Shri Jain Shwetamber Terapanth Mahila Mandal, Ghatkopar in Jan 2016 at Terapanth Sabha Bhavan, Ghatkopar.
21. M.SC. RESEARCH STUDENTS DETAILS:
22. Snehal Patil: Reg. no. 96 (A); Date of reg: 26th July 2012; Topic: Asymptomatic bacteriuria in pregnant women.
22. Transfer of guide letter : TH./ICD/2014-15/2131
23. Ganesh Srivastava: Date of Registration : 7th June 2012; Topic: Biosorption of Heavy metals. Cancelled Admission.
24. ORGANISED:
25. Organized Enriching Expressions : learning from the alumni, a series of lectures.
26. Organized Industrial visit to Mysore, Bangalore and Ooty for T.Y.B.Sc students from 4th Dec. to 11th Dec. 2015.
27. Organized Parents meeting for T.Y.B.Sc. students on 26th June. 2015.
28. Organised and conducted the 15th State level Microbiological Contest and Microbio Olympiad for F.Y.B.Sc, S.Y.B.Sc and T.Y.B.Sc students on 8th Jan 2016. 77 students enrolled for it.
29. ACCOMPANIED STUDENTS:
30. T.Y.B.Sc students to visit Sula Wines, Nashik on 3rd Sep. 2015.
31. OBTAINED MEMBERSHIP OF:
32. Life Membership of Association of Teachers in Biological Sciences, Membership no.: 0476.
33. MEMBER OF THE FOLLOWING COLLEGE COMMITTEES:
34. Convenor, Extension Committee.
35. NAAC, Steering Committee Coordinator.
36. Co-Convenor for Certificate Course in Biophysics 2015-2016.
37. Member, IQAC, Convenor: Dr. Pradnya Prabhu.
38. Member, Information Cell, Convenor: Dr. Pradnya Prabhu.
39. Member, Examination Committee, Aided, Convenor: Prof. Subhash Krishnan.

40. Staff common Room Secretary.
41. Member Alumnus, Board of Management, K.J.Somaiya College of Science and Commerce.
42. Member, Board of Studies in Microbiology, K.J.Somaiya College of Science and Commerce.
43. Member, Research Consultancy and Extension, Committee for NAAC preparation, Convenor: Dr. Rajendra Nayak.
44. Examination, Member, Committee for NAAC preparation, Convenor: Prof. Subhash Krishnan.
45. Member, Organising Committee for the Seminar on 'Scientific Writing' held on 16th Jan. 2016. Organising Secretary: Dr. Pradnya Prabhu.
46. Member, Organising Committee for the Open Day-2015 for School Students under IQAC. Organising Secretary: Dr. Pradnya Prabhu.
47. M.SC-II PROJECTS GUIDED:
48. Vallary Belsare: 'Effect of audible sound on microbial activity.'
49. Nikita Gelye: 'Antimicrobial activity of fruit peels and application of enzyme isolated from banana peels as a pollutant degrader.'
50. Divya Chauhan: 'Isolation of microbial prodigiosin producers and studying the application of prodigiosin'
51. Tanvi Shah: 'Antibacterial activity of *Myristica fragrans*.'
52. UNDERGRADUATE PROJECTS GUIDED:
53. Devyani Dongre S.Y.B.Sc.: 'Antibacterial effects of Panchamrit'
54. Vrutuja Naik S.Y.B.Sc.: 'Synthesis and antibacterial properties of CuO and ZnO nanofluids'

55. T.Y.B.Sc. 3 Units Tanvi Khapare, Bhavisha Khuman, Sonali Kamble, Manali Ajagekar, Naznin Khan, Pallavi Wadagbalkar, Preeti Bhise, Saraswati Kokane, Shubhangi Kanade: 'Isolation of Ink degrading microorganisms from soil and sewage water'
56. T.Y.B.Sc. 3 units Aditi Bandekar, Manisha Harne, Ashwini Patil, Ashwini Jadhav, Pradnya Kamble, Shailaja Shinde: 'Formation and Identification of organisms producing dental biofilms.'

Ms. Soniya Shetty

1. Organized and was resource person for two workshops on "Basic Techniques in Microbiology" held for non teaching staff on 20th and 21st July 2015 for teaching staff and student on 7th-9th Sept. 2015.
2. Presented research work on "Eco-friendly alternative for processing of coconut" fibres at National Exhibition Makermela held at Somaiya Vidyavihar Campus from 9th-11th Oct. 2015.
3. Project selected as top 15 projects at the campus for exhibition at inauguration of RiIDL by DR. Harsh Vardhan Union Minister of Science and Technology.
4. Guided students for research presentations.
5. Presented poster with student Ms. Manasvi Gandhi on "Synthesis of bionano composite film composed of copper nanoparticles and its applications" at Sajjan Gupta Konark memorial Award 2016 on 15/1/2016.
6. Presented poster with student Ms. Shivangi Kothari on "Endophytes as biofertilizers" at Sajjan Gupta Konark memorial Award 2016 on 15/1/2016.
7. Presented poster with student Baladivya on "Isolation and Identification of microbial flora in breeding sites of *Aedes aegypti* mosquito" at Sajjan Gupta Konark memorial Award 2016 on 15/1/2016.
8. Presented poster with student Ms. Sayali Dagde on "Antibacterial effect of lactobacilli on some common pathogens" at Sajjan Gupta Konark memorial Award 2016 on 15/1/2016.

9. Presented poster with student Ms. PratharvaPoojari on “ Antifungal activity of Lactobacilli on formation of germ tube”atSajjan Gupta Konark memorial Award 2016 on 15/1/2016.
10. Presented poster with student Ms. Manasvi Gandhi on “Synthesis of bionano composite film composed of copper nanoparticles and its applications” at St. Xaviers College on 20/1/2016.
11. Presented poster with student Ms. Shivangi K. on Endophytes as biofertilizers”at St. Xaviers College on 20/1/2016.
12. Presented poster with student PrathanaPoojari on “Inhibitory effect of probiotic bacteria on *Candida albicans*” at Vikas College multidisciplinary International conference on 20/2/2016.

Awards:

13. Ms. Manasvi Gandhi and Soniya Shetty received 3rd prize at Sajjan Gupta Konark memorial Award 2016 on 15/1/2016 for poster presentation Other
14. Organized a soft skill development programme for F. Y. B.Sc. students at 2. Bac Adventure Training Institute, Colaba from 20th -21st Dec. 2015.
15. Organized parent teacher meeting for F. Y. B.Sc. students from 7th -12th Dec. 2015.
16. Completed a Refresher course on Environmental Consciousness and Sustainable Development at K.J. Somaiya college of Science and Commerce University of Mumbai from 19th Oct. to 7th Nov. 2015.
17. Attended International conference on Biomarkers for Radiation Exposure and Cancer on 1st Aug. 2015 at University of Mumbai.

Mr. Shabib Khan

1. Participated in workshop on “Techniques in Molecular Biology” organized by Department of Botany KJSSC on 24th and 25th June 2015 with National facility for Biopharmaceuticals Matunga, Mumbai.
2. Participated in Lady Tata Memorial Trust sponsored three day workshop on “Techniques in Molecular Diagnostics” held by Department of Biotechnology SIES college of Arts, Science and Commerce between 12th -14th August 2015.
3. Participated in workshop on “ Basic Techniques of Animal Tissue Culture held on 26th August 215.
4. Participated in one day seminar on “Scientific Writing” organized by IQAC KJSSC on 16/1/2016.
5. Attended 15th State Level Microbiolympiad held at R. C. Patel Arts, Commerce and Science College, Shirpur.
6. Presented poster with student Ms. Hinal Gandhi on “Biological synthesis of silver nano particles and their applications in waste water treatment, dye degradation, antimicrobial agent and production of water repellent and microbial resistant cloth” at Sajjan Gupta Konark memorial Award 2016 on 15/1/2016.
7. Presented poster with student Ms. Hinal Gandhi on “Biological synthesis of silver nano particles and their applications in waste water treatment, dye degradation, antimicrobial agent and production of water repellent and microbial resistant cloth” at Vikas College multidisciplinary International conference on 20/2/2016.
8. Presented poster with student Ms. Hinal Gandhi on “Biological synthesis of silver nano particles and their applications in waste water treatment, dye degradation, antimicrobial agent and production of water repellent and microbial resistant cloth” at Consortium at St. Xaviers College on 20/1/2016.

9. Presented poster with student Ms. Hinal Gandhi on “Biological synthesis of silver nano particles and their applications in waste water treatment, dye degradation, antimicrobial agent and production of water repellent and microbial resistant cloth” at G. N. Khalsa College on 19/1/2016.

10. Presented poster with student Ms. Samruddhi Jadhav on “Isolation characterization and degradation of oil degrading bacteria from polluted soil and comparative study of their degradation potential” at Consortium at St. Xaviers College on 20/1/2016.

11. Presented poster with student Ms. Samruddhi Jadhav on “Isolation characterization and degradation of oil degrading bacteria from polluted soil and comparative study of their degradation potential” at Sajjan Gupta Konark memorial Award 2016 on 15/1/2016

12. Presented poster with student Ms. Supriya Badgujar on “Antibacterial and antioxidant properties of fruit peels and its application” at Consortium at St. Xaviers College on 20/1/2016.

13. Presented poster with student Ms. Supriya Badgujar on “Antibacterial and antioxidant properties of fruit peels and its application” at Consortium at Sajjan Gupta Konark memorial Award 2016 on 15/1/2016.

14. Worked as Co-convenor for MICROSCOPE-2015 held on 2nd September 2015 at K.J. SSC.

15. Co-coordinator for elective course- Communication Skills and Personality Development.

16. Conducted 05 Guidance Lectures for competitive Exam CSIR-UGC, NET, SET in Life Sciences.

17. Currently member of Honours program and Information centre.

18. Departmental co-ordinator for IQAC 2015-2016.

19. Dr. Reshma Turbekar

20. Organized two industrial visits for M.Sc. Microbiology students at Sula Vineyards at Nashik on 3rd Sept 2015 and Manish Pharmaceuticals on 25th Feb. 2016.

Awards:

First recipient of Late Dr. Senthil's Mountiorion Microbiology award on 22nd Jan. 2016.

Was invited as a Research Speaker in Vidyadhiraj Chawl for School science project on 5/3/2016.

Ms. Adleba Khan

1. Organized an Industrial visit of 32 S.Y.B.Sc. student to Enviro-vigil, Agro park, Kalwa, on 29th January 2016.

2. Students were taught about vermicomposting, kitchen waste management and biogas production on small scale.

Nutraceuticals

Academic year 2015-2016 started from 9th June 2015 with following staff members:

1. Dr. Veena Salvi, Assistant Professor, Course-Coordinator
2. Ms. Purva Medhi, Assistant Professor
3. Ms. Tejal Bowlekar, Lecturer (from January 2016)

Total number of students in M.Sc. Part II were 17 and in M.Sc. Part I had 20 students.

Throughout the year the students participated in following activities given below.

1. “Health fair” organized by Department of Biochemistry, KJSSC.
2. “NUTRAZEST” organized by Department of Nutraceuticals, Khalsa College.
3. “Maker Mela”, organized by RiIDL, Somaiya Vidyavihar.
4. “Convergence” organized by Department of Environmental Science, KJSSC, as part of the organizing team.

5. “Mangroves plantation” organized by Department of Forestry, Maharashtra in collaboration with Department of Environmental Science, KJSSC.

A one day industrial visit to 'Go Cheeze', Manchar, Pune, was organized on 7th February, 2016. During this visit students had an opportunity to observe different sections of dairy industry from procuring the raw material, to various steps of processing and marketing. They were also given a brief explanation about different quality control / assurance processes carried out. At the end of the day students also enjoyed an evening snack full of different dairy products.

During the year, Dr. Veena Salvi was assigned duties as Chairperson of M.Sc. Part I Nutraceuticals at Mumbai University. She also acted as the examiner / moderator for different theory as well as practical exams for the same.

Ms. Purva Medhi performed the duties of examiner at M.Sc. Nutraceuticals theory as well as practical exams for Mumbai University. She has also attended one international conference.

Physics

Following activities were carried by staff and students on the year 2015-2016:

Open Day:

In Collaboration with IUAC of the college an open day was organized on 4th July 2015. The student's of M.Sc-II put seven exhibits pertaining to different fields of physics. More than 300 school students visited to our department. The kids were excited to watch the spectrum and total internal reflection. They were curious about the different types of switches placed in the exhibit and were thrilled to get hands on the series and parallel circuits. The dancing bangle and Faraday's law experiment were also enjoyed by the students.

Study Tour to IUCAA and CDAC, Pune:

Department of Physics and planetary association organized one day Educational visit on 13/08/2015, under DBT Star College Award Scheme. The program

was planned to visit two frontier institutes working in Physics viz, CDAC and IUCAA, Pune.

There were 50 undergraduate students and 5 teaching staff from the department participated in this tour. At both the institute, students were given information about various research and academic activities conducted by scientific officers. At CDAC our students were taken to actual site of Param Computer and idea of parallel computing were demonstrated.

At IUCAA, our students enjoyed campus along with information about various research activities and opportunities.

Teacher's day celebration:

M.Sc-II students celebrated the “Teacher's Day” with enthusiasm, on 5th September 2015.

Night Sky Watching

15 students and two teachers went for night sky watching on 12th October 2015 at Bordi. Students were thrilled to observe the Saturn rings.

Dr. J. K. Verma's talk on general theory of relativity:

Dr. J. K. Verma, an eminent physicist delivered a lecture on 3rd December 2015. His topic was “General theory of relativity”. The theory of relativity in physics encompasses two theories by Albert Einstein: special relativity and general relativity. Concepts introduced by the theories of relativity include: Measurements of physical quantities are relative to the velocities of observers. 2015 is being celebrated as *International Year of Light* and Light-based Technologies (IYL2015). And the theory of light is incomplete without an insight of General theory of Relativity. This lecture I projected light on dealing with relativity with a relatively simpler approach. This program was conducted under DBT-Star college scheme.

Dr Bram Boroson's lecture on special theory of relativity:

Dr Bram Boroson from Clayton State University Visited our department and he delivered a lecture on “Special theory of relativity”. The lecture was arranged in the B.Ed multipurpose hall on 15th December 2015. He spoke on length contraction, time dilation and simultaneity. In a very lucid manner he derived the important relations and also interacted with the students. More than 75 students from undergraduate

section were benefited. This program was organised under DBT-Star scheme.

Farewell of Prof. S.K.Saxena

A farewell ceremony of our former HOD Subodh Kumar Saxena was arranged on 14th January 2016. He retired after superannuation. Earlier staff members Prof. S.R.Patil, Prof. Madhavan and Prof. Vishwas Joshi graced the occasion. The former HOD, University Department of Physics, Dr. Gupta (Research Guide of Prof. S K Saxena) and Dr. Yadav also attended the function.

Dr. Rajendra Mahamuni's One Day workshop on photography:

Department of Physics organized one day workshop on Photography on 16/01/2016, under DBT Star College Award Scheme. Dr. Rajendra Mahamuni, head of Photography department of Fergusson College, Pune, was invited as a resource. Workshop was organized in seminar room- CRSGIS, 6th floor, New Engineering building. 22 students and all staff members of Physics department along with few nonteaching staff attended this workshop.

As per tradition, workshop began by reciting campus prayer at 10.45 am. Prof. Ranjana Shukl, HOD of Physics, gave brief introduction about the motive of organizing this workshop. Dr. Deepak More gave brief introduction to speakers.

Whole workshop was divided into two sessions. First session started at 11.00 am and was conducted by Dr. Rajendra Mahamuni. This was a power point presentation covering following points

- 1.The role and significance of Photography in society.
- 2.The science of image formation
- 3.The technology of photography
- 4.Aesthetics of photography
- 5.Ethical issues
- 6.Applications of photography
- 7.Photography as career option
- 8.Challenges to photography

After lunch break, Mr. Sarvesh Rajpathak conducted second session; this session was on image processing covering following points

- 1.Light and lighting in photography
- 2.Demo: Portrait lighting

3.Image processing and its need

4.Demo: Image processing

NGPE Report:

NGPE (National Graduate Physics Examination) is a nationwide competitive exam for undergraduate Physics students conducted by the IAPT (Indian Association of Physics Teachers). The main objective of the exam is to motivate and prepare students for research careers in Physics. The national top 1 percentile of students were invited for various integrated PhD program in the country.

Our college has been a centre for NGPE for more than a decade. From 2014 Prof. Amit More has been centre in-charge. This year 51 students registered for the exam out of which 40 appeared for the exam. The students were trained in a rigorous training program run by Prof. Amit More and Prof. Deepak Jalla. NGPE 2016 was held on the 24th January 2016.

Educational visit to Ooty astronomical telescope

Department of Physics had organized one day Educational visit to Radio Astronomy Center (RAC), Ooty, Tamilnadu, on 29th January 2016, under DBT Star College Award Scheme. This was first time long tour organized by Department and was done successfully.

There were 38 undergraduate students mainly from third year of B. Sc and 8 students from M.Sc-II along with 3 teaching staff (Prof. Amit more, Prof. A. M. Shaker and Dr.(Mrs) Rucha Naik) and a nonteaching staff from the department participated in this tour.

At RAC, students were give information about various research and academic activities conducted by institute. Our students were taken to actual site of radio telescope and detail information of how radio signals are recorded and processed was demonstrated. At RAC, our students enjoyed campus along with information about various research activities and opportunities.

Departmental fest FIZIKA:

A one-day inter-collegiate fest *FIZIKA 2K16* was organized by *Department Of Physics* on 6th February 2016. The theme of the fest was *Explore, Interact and Enjoy*.

The inaugural function was held in multipurpose hall of K. J. Somaiya college of Research and Training. The function was presided over by Dr. Vijay Joshi, Principal, K. J. Somaiya College of Science and Commerce. In his presidential remarks, Principal stressed upon the need of developing innovative ideas. Prof. Ranjana Shukl, HOD, Physics expressed her views of FIZIKA 2K16. Dr. Jehangir Mistri, Dean, Xavier's Institute of Communication delivered the inaugural talk on "Passion for Physics". Dr. J. B. Mistri's interactive lecture was followed by a talk on "Astrosat", which was delivered by Ms. Vinita Navalkar. She is a senior research scholar at TIFR.

Ms. Sweta Singh compeered the program and Dr. Ritwika Chakravorti proposed vote of thanks. The inaugural function was followed by the Judging of exhibits displayed by our T.Y.B.Sc. students. There were 18 exhibits. Ms Rekha Ghorpade from Jhunjhunwala College and Dr Meena Sharma were the judges. The first prize was bagged by Mudita Sonawane and Madhuri Gawade. The main attractions were "Dare to touch" (electronic circuit based fun game), ultrasonic atomiser, Newton's cradle and the LASER SHOW. Students and faculty members from various streams and colleges visited the exhibition and interacted optimistically with our department students. After exhibits students were excited to play words-a crossword competition. In all 13 students participated in this event. Simultaneously judging of mural – poster competition and Espectro- photo competition was conducted. Dr Amol Patwardhan and Dr. Ajit Katdare were the judges for the photo and poster competition respectively. The post lunch session began with Eureka-the quiz show. Quiz was followed by most awaited Treasure hunt: Schrodinger's Cat. Overall 23 teams are participated in this competition. The program concluded with the prize distribution.

Following data will reveal the achievements of our staff:

1) Mr. S K Saxena:

Ph.D. Thesis is submitted in January 2015 in the University Of Mumbai.

Completed the Refreshers Course from Rani Durgawati Vishwavidyalaya, Jabalpur, during 16-11-2015 to 05-12-2015

Attended International Conference in Astronomy during 23rd to 26th June 2015 in Aanand.

Three students of M.Phil. are working under Mr. S K Saxena. Retired with superannuation on 31st December 2015.

2) Mrs. Ranjana Shukl:

Mrs. Ranjana Shukl took the charge of Head of Department of Physics from January 2016.

Invited as a Moderator in St Xavier's College for paper assessment.

3) Dr. Meena Sharma:

Invited as an evaluator to access papers for 8th National Teacher's Science Congress on 3rd July 2015 at Marathi Vidyan Parishad Sion Chunabhatti, Mumbai 22.

Worked as a Resource person in the Regional Orientation Workshop at Regional Institute of Education (NCERT) Bhuvaneshwar on 31st July and 1st August 2015 for 8th NTSC.

Invited as a Resource person in the Regional Orientation workshop organized at NCERT Shilong on August 19-20, 2015 for 8th NTSC.

Invited as an Evaluator for the selection of papers for 8th NTSC on 1st and 2nd October 2015 at Homi Bhabha Centre for Science Education (HBCSE) Mumbai.

Participated in Evaluator meet for National Children's Science Congress on 30th September 2015 at K J Somaiya College of Science and Commerce.

Organized and Coordinated Homi Bhabha Bal Vaidyanik Practical session for 6th and 9th standard school children on 6th and 13th December 2015 at K J Somaiya College of Science and Commerce.

Invited as a External Examiner in St Xavier's College for T Y B Sc paper assessment. Invited as co-chair person and evaluator at 8th National Teachers Science Congress held at IISER, Pune on 17th and 19th December 2015.

Invited as Resource person in the 23rd National Children's Science Congress (NCSC 2015) held at Chandigarh University Mohali (Punjab) during December 27-31 2015.

Minor Research Project was sanctioned by University of Mumbai for the year 2015-2016.

Invited as an External Examiner in St Xavier's College for T Y B Sc Practical Examinations.

4) Dr. Deepak More:

Participated in teacher training program on 27/08/2015 conducted by University of Mumbai, department of lifelong and extension at Sydenham College of Commerce and Economics, Churchgate.

Worked as resource person and conducted on

session/talk, 'Use of educational software for research purpose- computer lab hands on MS Excel application, in refresher course conducted by Department of Environment of Science, K J Somaiya College of Science and Commerce on 20th October 2015.

Attended Annual meeting of the Indian Academy of Sciences from 5th - 8th November at ISSER, Pune.

Worked as Mentor in DST-INSPIRE program organized by Shivaji Science College, Nagpur on 14, 15th January 2016.

5) Dr. Geeta Nair:

Resource person at International Junior Science Olympiad from 8th May to 25th May 2015.

Resource person at PDC camp of IJJO.

A chapter in a book "Nanomaterials-synthesis-applications" ISBN 978-81-925842-2-5.

Minor Research Project is sanctioned by University of Mumbai for the year 2015-2016.

6) Mr. A M Shaker:

Two week Olympiad preparation camp in May 2015 for IPHO 2015 in Mumbai.

Academic resource person for IPHO 2015 in July 2015.

Attended Syllabus revision workshop for SYBSc on 19th November 2015.

Arranged Night sky watching activity for students on 12th December 2015.

Attended short term course from 14th to 19th December 2015.

7) Mr. Jitendra Pendharkar:

A research paper is published in International Journal GRT on Magnetostrictive properties of Terfenol like alloys in August 2015. (IF= 3.4052)

·A research paper is published in International Journal IJAR on Magnetic properties of Gadolinium Terfenol alloys in September 2015. (IF= 3.6241)

·Completed Minor Research Project sponsored by University of Mumbai in July 2015.

Title: "Synthesis and Characterizations of metal oxide nano fluids".

·Research Paper is presented in International conference sponsored by UGC-SAP in UDC kalyan during 26-28 November 2015.

Title: "Synthesis and anti bacterial properties of Nano

Fluids".

·Research paper is accepted and will be presented in International Conference "Science Sustainability and Society in the current Scenario" on 20th February 2016, at Vikas College, Mumbai.

Title: "Synthesis and Characterizations of soft magnets and their Possible Applications"

·Participated in National Level INUP workshop on Nanotechnology during May 27-29 2015 at IIT Bombay.

·Participated in Short Term Course on Contemporary strategies for teaching and evaluation, conducted from 26th October to 31st October 2015.

·Participated in Workshop on Emerging Opportunities and rewarding carrier of radiation and cancer research, at Department of Bio Physics on 4th July 2015.

8) Mrs. Smita Survase:

·Resource person at International Junior Science Olympiad from 8th May to 25th May 2015.

·Presented a research paper at International Conference on Ion beam analysis at Opatia Croatia.

·Published a research paper in International Journal Chalcogenide letters.

·Resource person at PDC camp of IJJO

·Attended and presented proposal at BTR at IUAC.

·A chapter in a book "Nanomaterials-synthesis-applications" ISBN 978-81-925842-2-5.

9) Mr. Anshul Gupta:

·Attended two weeks academic preparation camp in April-May 2015 for IPHO-2015 in Mumbai.

·Resource person for IPHO-2015 during July 2015.

·Arranged lecture of Dr. J K Sharma on 3rd December 2015 under Star Scheme at Department of Physics of our college.

·Trained Indian Team for International Natural Science Tournament- 2015 at St. Petersburg, Russia.

·Article is published about Comphy-2015 in IAPT bulletin (0970-5953)

·Article is published about Education in Vidyan Ganga. (2231-2455)

10) Mr. Amit More:

·Attended two weeks academic preparation camp in April-May 2015 for IPHO-2015 in Mumbai.

- Resource person for IPHO-2015 during July 2015.
- Conducted NGPE- 2016, on 24th January 2016.

11) Dr. Pallavi Raote:

- Participated in National level 3rd INUP Familiarization workshop on Nanotechnology during May 27-29 2015 at IIT Bombay.
- Participated in National Level 'INUP Hands-on Training Workshop on Nanofabrication Technologies: Fabrication and Characterization of GaN LED' during August 17-21 2015 at IIT Bombay.

12) Mr. Deepak Jalla:

- Attended two weeks academic preparation camp in April-May 2015 for IPHO-2015 in Mumbai.
- Resource person for IPHO-2015 during July 2015.
- Presented poster “Multifractal invariant measure in skew-tent map” in CDSA 2016 at NIT Durgapur, West Bengal

13) Mr. Ketan Gaikawad:

- Attended Two days workshop on Managing School level Laboratory, on 18th and 19th of December, conducted by HBCSE, Mankhurd, Mumbai.

14) Dr. Ritwika Chakraborty:

- Attended HPTLC training workshop on 11th December 2015 organized by our College.

15) Dr. Rucha A. Naik

- Co-investigator in Minor Research Project sanctioned by University of Mumbai for the year 2015-2016.

Statistics

Following activities were conducted by statistics department during the academic year 2015-16.

- This year T.Y.B.Sc. Statistics students celebrated birthdays of renowned Indian statisticians such as Prof. P. C. Mahalanobis (29th June, celebrated as “National Statistics Day”), Dr. P.V. Sukhatme,

Debabrata Basu by doing presentations about their memorable work in the field of statistics

- Two-day workshop on “Application of statistics in Biological Science” was organized on 3rd and 4th September 2015. Total of 36 participants from various field benefited from this workshop.
- One-day lecture series was organized giving information about various aspects and applications and the use of studying Statistics subject in further higher levels and in future too.
- Mr. Abhijeet Subhash Patil, at present working as a senior catastrophe risk analyst and pursuing actuarial science from institute of actuaries, shared his knowledge about actuarial science and how can we study actuaries with statistics combining both of the subjects and actually applying it while analyzing any data. He also gave information about various competitive exams and at least participates in them to grow knowledge and thinking skills wider. He also gave information about how statistics is related in with each and every field of studies like finance, research management, biology, economics, commerce, etc.
- Dr. Madhav Kulkarni, having a well profound experience of 40 years in educational and working field with many of the companies, explained application of statistics with real life examples such as blood circulation concept and many of concepts invented by Charles Darwin.
- After this two lectures of eminent speakers, T.Y.B.Sc. students also presented their knowledge with help of innovative examples and an interactive session of presentation using power point presentations.
- Field trip to Mahatma Phule Krishi Vidyapeeth, Rahuri; was organized on 03rd to 05th December 2015.
- Visiting lecture by Prof. P. G. Dixit (HOD, Statistics Department, Modern college, Pune) was organized on 16th January 2016 on the topic “Stochastic Process and Markove chains” one of the new units included in the newly framed T.Y.B.Sc. syllabus.
- Ms. Madhavi Jardosh attended one day state level workshop on “Reliability and Survival

Analysis" scheduled on 9th January 2016 at Modern College, Pune 05.

- Ms. Madhavi Jardosh, a member of organizing committee attended one day seminar on "Scientific Writing" organised by IQAC, K. J. Somaiya College of Science and Commerce on 16th January, 2016.
- Ms. Madhavi Jardosh, presented a paper "Innovation in Teaching and Learning" in the NAAC sponsored national level seminar on "Innovations in Teaching-Learning & Evaluation in Higher Education" organised by SIES College, Sion during 26th and 27th February, 2016
- Ms. Madhavi Jardosh, presented a paper in absentia on "Reinforcing culture of Excellence through IQAC" in the national conference on "College IQAC : Meaning and Manifestations" organised by Kirti College on 30th January, 2016.
- Mr. Prashant Shah deliver a talk on "Use of Educational software for Research Purpose-Computer Lab R.-software" during refresher course in Environmental Consciousness and Sustainable Development on 20th Oct 2015
- Mr. Prashant shah attended one-day seminar on "Recent Techniques In Applied Statistics" held in Department of Statistics, University of Mumbai on 5th March 2015.

Trip To Rahuri

The **STATISTICS** department of K.J.Somaiya College of Science and Commerce organized for the first time a three day industrial visit, from 3rd -5th December, 2015 to **Mahatma Krishi Phule Vidyapeeth Ahmednagar, Rahuri, Maharashtra 413722**, for all tybsc statistics students.

It all started with the crack of dawn, the undergrads were quite excited to explore the undefined journey. The sophomores continued with the same aura of music accompanying the zephyr. The expedition turning into a great success with the touch of god. The halt at the SHIRDI TEMPLE was quite enchanting. The further we had our lunch amidst the greens. Everyone was so deep in the aura, that they couldn't control capturing the moment. The journey further continued to halt at the destination, "MAHATMA PHULE KRISHI VIDYAPEETH.". As we entered,

our vision widened by experiencing the beauty of the atmosphere as we have never experienced such in cities. The day ended with loads of adventure and lifetime memories.

The new sunshine had plans ahead of us. We had our wholesome first meal with the urban touch. The exploration began thus by entering the rural side of the urban city. We were further amazed by the sweet surprise awaiting for us in the form of watermelons. This surprise was a treat to our taste buds.

Thereafter we moved towards to the University main building where we had planned to meet **Prof. VANI** from the Statistics Department.

Prof. Vani addressed the students about one hour .He told about the various facilities provided by the college to UG and PG students to conduct their field work. They had almost 8500 acres of field of which 100 acres is reserved for PG students to conduct their research work consisting of various crop cultivation like cotton , wheat, corn , etc. various flowers like rose , lily and various fruits too.

He explained in brief how statistical techniques of Design of experiment and ANOVA is conducted in actual agricultural field work. Statistical techniques like RBD, CRD, SPLIT PLOT techniques are used to increase the crop yield.

First we started with sugarcane field and cotton cultivation, where he explained how the use of split plot technique and RBD technique was applied to test the significance of applying various irrigation levels.

Later he introduced us to a Prof. P.P. Kadu (Sec. Board of student) from his college where he was mentoring one of his M.Sc. student Kiran Arigela who was conducting his experiment on the agriculture field. His experiment was "*to study effect of macro nutrients in wheat cultivation.*"

The design used was **RBD**. In this experiment 7 treatments with 3 replication were applied which included

1. Absolute control
2. Absolute control + zinc and iron solution.
3. GRDF(General Recommended Dose Fertilizer) + other fertilizer.
4. GRDF + Zinc + Iron
5. GRDF + 5kg ferrous sulphate solution
6. GRDF + 5kg zinc sulphate solution

7. GRDF

Sir P.P. KADU explained how the experiment conducted on the fields and how the results are analyzed and tested statistically. Later session had been left for students to clarify their doubts where students posed many such as:

1. What conditions are suitable for taking result?
2. What are the different parameters to decide which yield is the best?
3. What interval of time the results are noted?
4. Does climatic condition affect the result in any aspect?
5. Whether the results can be manipulated in any way and how we can crosscheck it?

Their questions were satisfactorily answered by explaining them that Wheat needs 12 to 15 inches of water to produce a good crop, it grow best when temperature are warm. The yield potential, maturity, winter hardiness, plant height, lodging and shattering, seed size, weight, disease and insect resistance, herbicide tolerance and quality are the parameters to be used for selecting the best yield. The main threat to the wheat plant growths are poor soil drainage and high level of soil acidity. Then statistical techniques like parametric regression, exponential smoothing and regression integrated moving average model are also used to capture the trend of wheat production of any country.

Amidst the scorching sun, the agriculture specialist there widened our horizons by letting us explore the various shades of nature. Not only the fields but also the floral beauty amazed us. The coloured spread sheet was the soul evidence of the pollution free atmosphere. What the people have created there is immensely applauding as it is somewhat the replica of rose plantations in Kashmir. The floral beauty did amaze us but the battles also left a remark of the scientific side of nature.

Post lunch we headed towards the cattle farms where we witnessed the outcome of hybridisation in the form of “TRIVENI”, which was three breeds in one. Triveni breed of cow is developed by Mahatma Phule Krishi Vidyapeeth, Rahuri. This breed consists of Holstein Friesian, Jersey and Gir combinations. It is a cross breed and has average milk production of 3000 to 3500 litre per lactation with 3.8 to 4.2 % fat in milk. However further study is going on this breed. Straws of frozen semen are available for breeding at Cattle and Buffalo breeding research centre at MPKV, Rahuri.

The nature was in no mood to stop amazing us, the combination of the zephyr and the crystal clear water had no bounds to our joy. The sun was setting marking the end of the day and planning for a better tomorrow. Even though the ambiance was not authentic, the food was a treat to our soul. The end of the day marked the pain in our body but our minds and soul were enlightened and rejuvenated. Visit seemed to be very informative and gives good learning experience. It was the unique example of '*EDUTAINMENT*' i.e. Education & Entertainment.

Finally, the things were packed but the memories continued to widen. The journey began by witnessing the divine, so was the end. The road was ending but the enthusiasm was still alive.

All the Staff members and Students are extremely thankful to honourable principal Dr Vijay Joshi Sir, officials at organizations who grant the permission for visiting their organization and guided the students.

Un-aided Courses

PARENTS TEACHER MEETING

The college had organized parents teacher meeting of the academic year - 2015-16 for self-financing courses on 26TH June 2015 for Sybcac, Sybfm, Sybms, Sybsc(It) courses and on 27th June 2015 for Tybcac, Tybms, Tybfm, Tybsc(It) Courses. The purpose of this meeting was to provide general information about the college activities and to inform parents about the curriculum of the respective courses, progress of their ward in studies and co-curricular achievements of students. Parents had appreciated for the meeting as they found it very helpful.

BSE VISIT AND SEMINAR

A seminar at BSE Ltd - Mumbai was conducted on 10th august, 2015. Around 200 Students attended seminar at BSE on Emerging Trends in Capital Market was delivered by – (Prof Roy from BSE Institute and Prof Avinash from CNBC). Quiz was held by BSE Institute after the seminar. Our students had bagged two prizes in the BSE Quiz.

INDUSTRIAL VISIT

- An industrial visit of First year students of BMS, BAF and BFM was conducted to Kisan Veer Sugar Factory at Satara and Mapro Foods Pvt Ltd on 8th and 9th December, 2016 along with the course faculties.
- An industrial visit of third year students along with the course coordinator and faculties to Paper factory and milk factory was conducted at Jaipur on 18th–23rd December, 2016

Training programme of Birla sun life Mutual fund

On 29th February, 2016 – **Birla sun life Mutual fund** had conducted a briefing session for summer internship of undergraduates for training students on equity markets, forex markets and commodities market. This programme also had a tie up with IRDA exams.

Prize winners:

Sports Day (K.J.Somaiya College of Science & Commerce):-

1. Rajdeep Yadav (T.Y.BMS) – 2nd Prize in Running (400 mts), 2nd Prize in Running (800 mts)
2. Urdhva Prabhune (F.Y.BFM) – 2nd Prize in Running (200 mts)
3. Ramkrishna Nayak (S.Y.BFM) – 3rd Prize in Running (300 mts)

Intercollegiate events participation by our students:

EKAH (Mumbai University) (February 2015)–

1. Dipesh Bhimani (S.Y.BMS) Best Contingent Leader
2. Rachitkuma Trivedi (S.Y.BMS)– 1st Prize in Mono Acting 3rd Prize in Radio Advertisement 3rd Story Writing Competition
3. Dipesh Jain (S.Y.BMS) – 2nd Prize in Poem Writing
4. Aniket Agarwal (S.Y.BMS) – 2nd Prize in Story Writing

MCC College Festival (August 2015)

1. Pooja Gada (S.Y.BMS)–1st Prize in Retro Stock
2. Pankti Thakar (S.Y.BMS) – 1st Prize in Corporate Ramp Walk Youth Festival

(Mumbai University) (August – September)

1. Pranali Rewale (T.Y.BMS) –Consolation Prize (4th) in Group Dance.
2. Rachitkumar Trivedi (T.Y.BMS) – 2nd Prize in Mono Acting and 3rd Prize in Elocution
3. Mansi Shedge (S.Y.BAF) – Consolation prize in Folk Dance Udaan: The Flight of Extension (Mumbai University – DLLE) (2015)
1. Rachitkumar Trivedi (S.Y.BMS) – Best Anchor (at I.E.S. Ratnam College) Sharp Shooters (S.I.E.S.–Nerul) (2015)
2nd Prize in Rags to Riches – Ashutosh Ganatra (F. Y. BMS), Sneh Kumar (S.Y.BCAF)
Best College Award – K.J.Somaiya College of Science & Commerce
1. Best Contingent Leader–Dipesh. P. Bhimani (T.Y.BMS)
2. 1st Prize in Debate Rachitkumar Trivedi (T.Y.BMS)
Harsh Parekh (T.Y.BMS)
Mihir Gogri (S.Y.BCAF)
3. 1st Prize in Quiz –Rachitkumar Trivedi (T.Y.BMS)
Bhavya Doshi (S.Y.BCAF)
4. 1st Prize in Innovation & You – Rachitkumar Trivedi (T.Y.BMS)
Prem Shah (T.Y.BMS)
Bhavya Doshi (S.Y.BCAF)
Shubham Shah (S.Y.BCAF)
5. 1st Prize in Are you a Speaker? – Rachitkumar Trivedi (T.Y.BMS) Colloseum (Mithibai College) (December 2015)
1. 1st Prize in Bidding the Stock – Mihir Gogri (S.Y.BCAF)
Raj (F.Y.BFM)
2. 1st Prize in Box Cricket – Manav Ratnani (F.Y.BFM)
Yogesh Bansal (F.Y.BFM)
Atul (F.Y.BFM)
Raj (F.Y.BFM)
Smit Savla (F.Y.BFM)
- A.D.Shroff Memorial Elocution Competition (FORUM of Free Enterprise)
1st Prize (1st Round) – Rachitkumar. C. Trivedi (T.Y.BMS) & Consolation Prize (Final Round)



Zoology

NEW MEMBERS

The year 2015 marked the appointment of four new faculty members to the department of zoology in the teaching section. Their names are as mentioned below:

1. Ms. Shreya Patil [M.Sc., NET] Aided section
2. Dr. Shanti Upadhye [M.Sc., SET, Ph. D] Aided section
3. Mr. Ajay Tripathi [M.Sc, NET] Unaided section
4. Ms. Chetana Kanekar [M Sc, B Ed, SET] Unaided section

Lab Assistant, Mr. Sameer Somane, was appointed in this academic year.

RETIREMENT

HOD, Dr MC Sathe retired on 30th November 2015.

Dr. Veena Srivastava took over as Incharge Head from 1st December 2015.

EVENTS ORGANISED

- Ø An interdisciplinary workshop “Hands on instruments” for nonteaching staff of science faculty was arranged from 25th June to 27th June, 2015. This was done in collaboration with the Chemistry department. During these days, many nonteaching staff could get training on the operation of instruments.
- Ø The department organized a Parent Teacher Meet for its TYBSc students on 27th June 2015 and for SYBSc students on 26th June 2015.
- Ø A workshop on 'Field Techniques' was arranged at SGNP, Mumbai in collaboration with HOPE at Thane on 12th & 13th September, 2015.
- Ø Departmental festival 'Zorilla' was held on 15-16th January, 2016. 25 colleges participated in the event and the total number of participants was 376.

EXCURSIONS/VISITS ORGANISED

- Ø T.Y.B.Sc. Zoology students visited Mangroves of Vikhroli maintained by Godrej on 21st of July, 2015.
- Ø An industrial visit was arranged for T.Y. B.Sc. students to Vivek Agro Farms, Virar on 28th of August, 2015.

- Ø T.Y.B.Sc. and M.Sc. Part II students visited CIFE on 8th of January, 2016.
- Ø Students of S.Y.B.Sc., T.Y.B.Sc., and M.Sc. went to Phansad wildlife sanctuary from 26th to 30th of January, 2016.

STUDENT ACHIEVEMENTS

- Ø Two students of S.Y.B.Sc. participated at national level sports.
- Ø One post graduate student participated and presented at a national conference on Bioresource Management, held at Shivaji University, Kolhapur on 15 & 16th January, 2016.

FACULTY IMPROVEMENT

- Ø Ms. Chetana Kanekar attended workshop on basic techniques in microbiology organized by Department of microbiology, KJ Somaiya College of Science and Commerce on 7th, 8th, 9th September 2015.
- Ø Ms. Shreya Patil attended a 4 Day State level workshop on Techniques in Molecular Phylogenetic analysis, organized by Savitribai Phule Pune University, from 5th Jan 2016 to 8th Jan 2016.
- Ø Dr. Amol Patwardhan attended a 3 day Conference on Entomology at Kerala from 30th March 2016 to 1st April 2016, and presented a paper in the same.

STAFF ACHIEVEMENTS

- Ø Dr. Rajendra Nayak was invited as subject Expert, university nominee, on the interview panel, to BNN College, Bhiwandi in May 2105
- Ø Dr. Amol Patwardhan was invited as a Guest Speaker at V.G.Vaze College of Arts science and Commerce, Mulund in November 2015. He delivered a lecture on Beetles.
- Ø Dr. Rajendra Nayak received extension of service.

GUEST LECTURES

- Ø Mrs. Lima Rosalind, Director, Green Future Foundation presented a thought provoking lecture on wildlife conservation and careers in wild life on 9th of January, 2016.

ZORILLA 2015-16 Bee A Zoo ManYak

The department of Zoology organized annual intercollegiate event called "ZORILLA" on January 15th & 16th, 2016 in K.J.Somaiya College of Science & Commerce, Vidyavihar. It was Zorilla's fifth consecutive year. It was inaugurated on 15th January, 2016 by honorable Principal Dr. Vijay Joshi. There were 11 various events under the fest, namely – Photography, poster making, tattoo making, quiz, group discussion, talent hunt, treasure hunt. Each event had unique theme to promote the subject zoology.

This year there was photography cum exhibition and the theme 'Sea & Human' attracted many participants. Like every year, treasure hunt was full of fun & enthusiasm. Group Discussion was the new entrant to the event's list. Poster Making with theme 'If animals could speak !' was an event to speak for the ones who can't speak i.e. animals. Students conveyed the message of animal conservation through this. Talent hunt was a platform for the students to showcase their talent like singing, animal mimicry, acting, just a minute etc.

Zorilla aims at promoting zoology & bringing the students from junior college to PG from various subject together.

Teachers & students played their unique roles to make the event a grand success.

Total No. Of Participants Were	: 376
Total No. Of Colleges Participated	: 16
In House Students	: 321
Students From Other Colleges	: 55

Juniors College Best Awarded Students List 2015-16

Kritika Krishkumar, .F.Y.J.C
Athletics
Gold

Radhika Joshi, S.Y.J.C
Carom
Gold

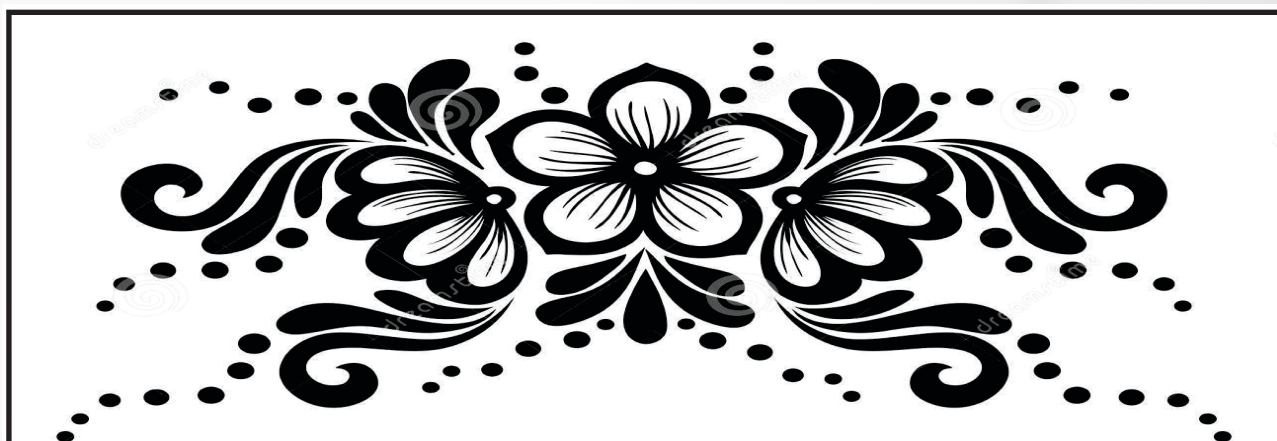
Ayush Sailoni, F.Y.J.C
Fencing
Participated

Tejas Gawali, S.Y.J.C
Judo
Gold

Himanshu Jadhav, S.Y.J.C
Kick Boxing
Silver

Nilesh Kumar, S.Y.J.C.
Marshal Arts
Gold

Atharva, S.Y.J.C
Athletics
Silver



English

On the 22nd of August, 2015, the English Department held the 'Story Boarding' competition between 2 and 3pm in room no. 510. The response was overwhelming. The fact that around 45 students enthusiastically participated in a creative writing competition was really pleasing. Apart from prizes, participation certificates will be given to the participants.

The English department conducted the Litfest on the 23rd of Jan, 2016. It was a great success thanks to the enthusiastic response of the students, the initiative by the teachers lead by the HOD Mrs.Renu Bakshi and the overwhelming support of our principal, vice-principal and supervisors.

The highlights of the fest include the monologue, spell bee, and an event called 'In -Conversation-With'. While the monologue competition had students coming forward and speaking out monologues of various characters from plays including Macbeth, Julius Caesar, and Merchant of Venice, the spell bee tested how strong students were at their spellings, in a fun way. In-Conversation-With was a very unconventional event where both students and teachers collectively discussed on the topic 'Literature in Movies'.

All in all, the event was a great success and ended on a note of hope and anticipation of making it a grander event in the coming years.



Best Awarded Student s List Since 2011-15 2010-11

Sr. No.	Students Name	Sports	State Level	Class
1.	Smeet Thakkar	Table Tennis	Bronze Medal	F.Y.J.C.
2.	Pooja Wani	Taekwondo	Participated	S.Y.J.C.

Junior College Awards Committee

The Senior and Junior College Awards Committees worked in co-ordination for the programme of Teacher's Day celebration held on 5th September 2015 at the SMT. Sakarben K. Sabhargruha of K. J. Somaiya College of Engineering. Dr. Rajan Welukar, Provost, Somaiya Vidyavihar was the Chief Guest. HR Manager Mr. Rajendra Vartak graced the occasion with his presence. Principal Dr. Vijay Joshi welcomed the gathering. Four staff members of the college were felicitated for their long and exemplary service to the institution.

The awardees were Mrs. Shailaja Girishnankar (Head , Dept of Microbiology), Mrs. Seema Sinha (Jr. College-Chemistry Subject incharge), Mr. Gagandeo Raut (Junior Clerk) and Mr. L. R. Ghanekar (Chem-Lab Attendant).

The Junior College Awards Committee conducted three rounds for selection of the best junior college student for the year 2015-15. The first round was an objective written test on general knowledge, current affairs and information of Somaiya campus. Fifty eight students from F.U.J.C. appeared for the written test which was held on 1st Dec, 2015.

Seventeen students were shortlisted for the Extempore Speech round. The judges for this round were Mrs. Renu Bakshi (English Dept.) Mrs. Beena Suresh (Chemistry Dept.) and Mr. Krishna Srivastava (Commerce Dept.) This round was held on 5th December, 2015. Six students were selected for the Personal Interview round.

The Personal Interview was conducted on 8th Dec, 2015. The panel comprised of our respected Principal Dr. Vijay Joshi, Vice-Principal Dr. Shailaja Menon, Supervisors Mrs. Jayanthi Vishwanthan and Mrs. Nina Phatak. Bro. Krunal Mehta was adjudged the Best Junior College Student for the academic year 2015-16.

Ms. Kavita Bhagtani
(Convenor-Jr. College Awards Committee)

2011-12

Sr. No.	Students Name	Sports	State Level	Class
1.	Mitesh Patole	Swimming	Participated	F.Y.J.C.
2.	Harsh Chauhan	Badmiton	Participated	S.Y.J.C. .
3.	Smeet Thakkar	Table Tennis	Participated	S.Y.J.C. .
4.	Madhur Anjerlekar	Athletics (Long Jump)	Gold	F.Y.J.C. .

2012-13

Sr. No.	Students Name	Sports	State Level	National	Class
1.	Kiran Khandare	Acrobatic Gymnastics	Gold	Gold	S.Y.J.C.
2.	Madhur Anjerlekar	Athletics (Long Jump)	Gold	Participated	S.Y.J.C.
3.	Swapnil Konda	Athletics	Silver	-	S.Y.J.C.
4.	Priyanka G.	Martial Arts	Gold	Participated	S.Y.J.C.

2013-14

Sr. No.	Students Name	Sports	State Level	National	Class
1.	Kiran Khandare	Acrobatic Gymnastics	Gold	Gold	S.Y.J.C.
2.	Madhur Anjerlekar	Athletics (Long Jump)	Gold	Participated	S.Y.J.C.
3.	Swapnil Konda	Athletics	Silver	-	S.Y.J.C.
4.	Priyanka G.	Martial Arts	Gold	Participated	S.Y.J.C.

2014-15

Sr. No.	Students Name	Sports	State Level	National	Class
1.	Kiran Khandare	Acrobatic Gymnastics	Gold	Gold	S.Y.J.C.
2.	Madhur Anjerlekar	Athletics (Long Jump)	Gold	Participated	S.Y.J.C.
3.	Swapnil Konda	Athletics	Silver	-	S.Y.J.C.
4.	Priyanka G.	Martial Arts	Gold	Participated	S.Y.J.C.

MOCK MHT-CET(medical/engineering) & CPT 2015-16

We have conducted Mock MHT CET (Medical/Engineering) & CPT on 12th January 2016. The schedule was as follows:

MHT-CET(Medical)

3Hrs.

Marks 200

Subjects: Physics, Chemistry, Biology

MHT-CET(Engineering)

3Hrs.

Marks 200

Subjects: Physics, Chemistry, Maths

CPT

4 Hrs.

Marks 400

Subjects:

Financial Accounting, Mercantile Laws,
Economics & Quantitative aptitude

The Answer Keys for all the above examination were displayed on the same day. The final result was displayed on 19th January 2016.

Mr. Ajay Singh
Convenor

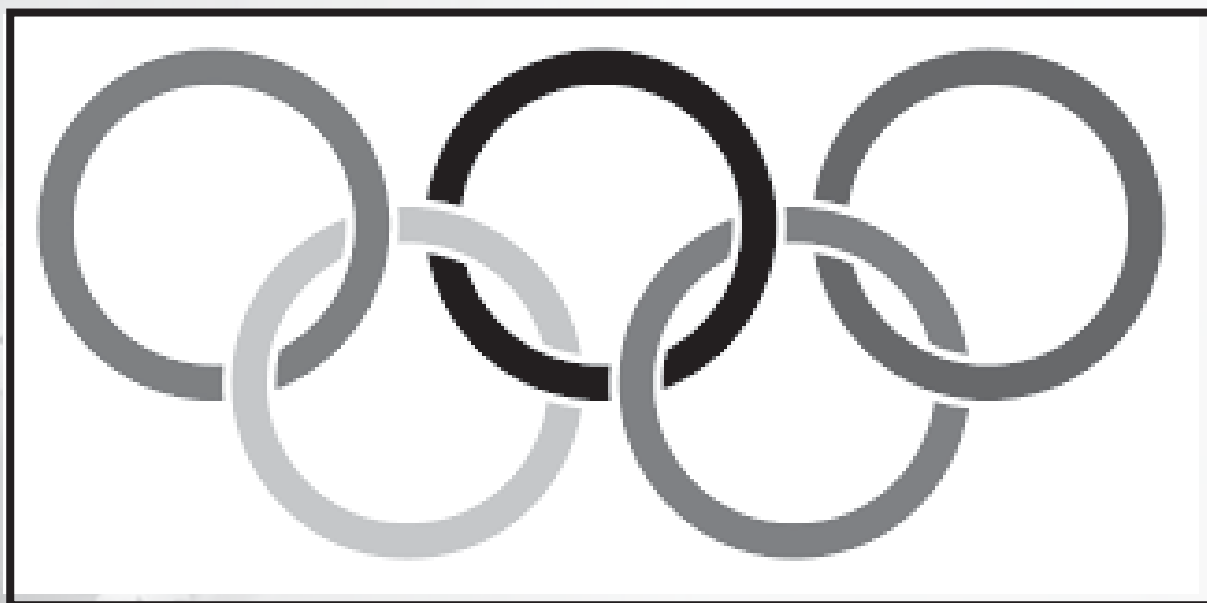
Olympiad Exam. Report 2015-16

Every year Olympiad exam for subjects Physics, Chemistry, Biology and Astronomy is conducted by IAPT,PUNE.This is one of the high standard examination conducted all over INDIA. It was a proud moment for us when seven years back **Brother. Mehul Tikekar won gold medal in Olympiad exam.**

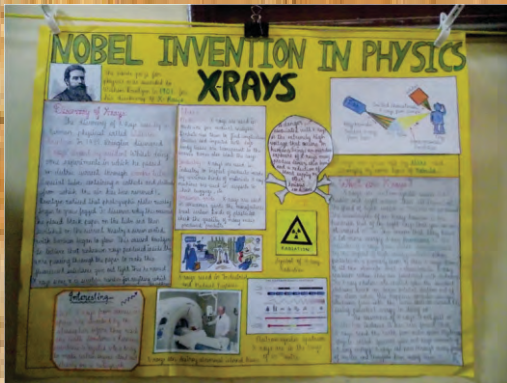
Last year 80 students had applied for this exam from our college and top 10% of students from our center were awarded with certificates. This year number of students appearing for exam. had increased to 90 and exam was held on 22 nd November 2015 Sunday. Schedule for the exam. was as follows....

<i>SUBJECTS</i>	<i>TIMING</i>
<i>PHYSICS</i>	<i>9.30AM TO 11.30AM</i>
<i>CHEMISTRY</i>	<i>12PM TO 2PM</i>
<i>BIOLOGY</i>	<i>3PM TO 5PM</i>
<i>ASTRONOMY</i>	<i>3PM TO 5PM</i>

Convenor
Mr.rohidas Aba Kubal



Fizika



Zorilla

Inauguration of the events by
Principal Dr. Vijay Joshi





Avsar



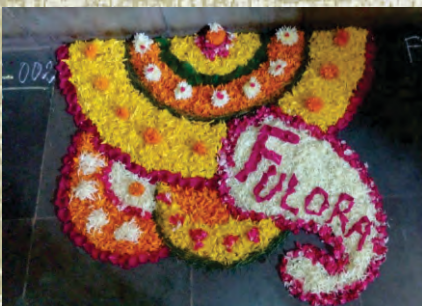
Statistics



Mathematics



Fulora



Chemistry



Microbiology



Committee Reports



Award and Prizes'

Committee: Awards and Prizes

Names of the members:

Dr. Chitra Kamath, Mr. Prashant Shah,
Mrs. Smita Survase, Mrs. Soniya Shetty
Mr. Amit Jetwa, Ms. Bharti Makhijani

Objective of the committee:

1. Felicitation of seniormost members of the teaching staff from the senior and junior college and members of non-teaching staff on the Teachers Day.
2. Selection and Felicitation of the Best Girl student and overall best student in the month of October 2015. The criteria and steps which will be followed for the selection will be as follows:
 - i) A student who has passed in all the papers of the subjects he/she has appeared in every semester can apply.
 - ii) The students will have to appear for a qualifying examination based on general knowledge. The shortlisted candidates will be subjected to further test like group discussion and viva. The students will be judged on the basis of their academic merit as well as curricular and cocurricular activities.

Report of the Teachers Day function

Date : 5th September 2015

Venue: Auditorium of The Somaiya School

A function was organised on the occasion of teachers day to felicitate the senior most teachers and the members of the non-teaching staff in appreciation of the long and exemplary service rendered to the institution. The function took place in the Smt. Sakharben K. Somaiya Auditorium of the K.J.Somaiya Engineering College at 11.00 am on 5th September 2015.

Prof. Rajan Welukar, Provost, was the Chief Guest. The Hon. Secretary of the Somaiya Vidyavihar Shri. V. Ranganathan was also present. Principal Vijay Joshi felicitated the Chief guest with flowers. This was followed by the welcome speech by the Principal. The staff members who were

felicitated by the chief guest for their long and outstanding service were:

Senior College:

Mrs. Shailaja Girishanker,
Head, Department of Microbiology

Junior College

Mrs. Seema Sinha
Teacher, Department of Chemistry

Non-teaching staff

1. Mr. Gagandeo Raut
General Office
2. Mr., L, R, Ghanekar
Laboratory attendant, Department of Chemistry

Mrs. Shailaja Girishanker and Mrs. Seema Sinha spoke at length about their association with the college and expressed their gratitude for being given the award. Mr. Gagandeo Raut and Mr. L.R. Ghanekar also expressed their gratitude towards the institution for having recognized their contribution.

Prof. Rajan Welukar spoke about the role of a teacher in shaping the lives of students and also about his experiences in the University. Shri. V. Ranganathan, Hon. Sec. Somaiya Vidyavihar also spoke on the occasion. He congratulated the teaching and the non-teaching staff who were awarded and told everyone to work hard to achieve the dreams of our Founder Param Pujya Padmashree Shri. Karamshibhai Somaiya.

The teaching and non teaching staff of the junior and senior college participated in the programme. Ms. Soniya Shetty compeered the function. The Convener of the Awards and Prizes Committee of the Junior college Ms. Kavita Bhaktani proposed a formal vote of thanks.

Selection of the Best Girl Student and the Best All-round Student

The process of selection of the Best Girl Student and the Best All-round student comprised of three stages. Sixty two students applied for the award and a test based on general knowledge, general mental ability, current affairs and general awareness about

our institution was conducted.

Twenty five candidates were shortlisted for group discussion round. Groups of students were asked to present their views on trending topics.

Dr. Hemangi Bhagwat (Head, Business Communication), Mrs. Malathi Ramchandran (Head, Department of Economics), Dr. Bright Phillip (Department of Chemistry) and Mr. Amit More (Department of Physics) were the judges for group discussion. The candidates were adjudged on the basis of their oratory skills and knowledge of the subject. The short listing of the candidates through their performance in Group Discussion indeed helped in a great way in the objective judgment for the final round.

Of the twenty five students eleven were selected for the final round which was a personal interview conducted by a panel comprising of the Principal Dr. Vijay Joshi, Dr. Unnati Padalia

(Department of Microbiology), Dr. Meena Sharma (Department of Physics) and Mrs. Sudha Agarwal (Department of Mathematics).

. The vigorous process of selection of the candidates was noteworthy. Evaluating the IQ, the communication skills, the knowledge on current affairs and also subject knowledge augmented a unique process of selection.

Sis. Tamanna Tanwar Singh (T.Y. B.Sc. Physics) was adjudged the Best Girl Student and Bro. Nirvan Bhawar (T.Y.B.Sc. Microbiology) was adjudged the Best All-round Student.

Dr. Mrs. Chitra Kamath,
Convener,

A report on the activities of Certificate Course on laboratory Techniques

For the academic year 2015-16, **Certificate Course in Laboratory Techniques (CCLT)** was given as elective option course of two credits for F.Y. and S.Y. students.

The course was modified and two separate modules were framed for first year and second year students.

CCLT Level-1 for F.Y.B.Sc.

For level 1, sixty seven students from F.Y. B.Sc. have offered the course, which is conducted in both the semesters. In the first semester basic techniques from chemical sciences, physics and nutraceutical sciences were completed, while in the second semester techniques from biological sciences, biotechnology and environmental sciences were conducted.

CCLT Level-2 for S.Y. B.Sc.

Twenty two students from S.Y. B.Sc. have opted for the level-2 course. They have already done the level-1 course at FY level. The level 2 consists of some

more experimental techniques with little advancement from level 1. The students have performed experiments with flame photometer, Karl Fischer auto titrator, biotechnology practicals on protein separations with Gel electrophoresis techniques.

Semester end examination for both the levels is taken separately and based on their regular attendance, overall participation and score in semester end examination, final grade is given to students.

Dr. Yogesh Ghalsasi
CCLT Coordinator

Students Welfare Committee Report

A guest lecture on Emotional Intelligence was organised on 12th January 2016 by Student welfare committee and Dept of Business communication.

It was attended by 90 students and 5 staff members. Resource person was Dr Madhavi Gokhale, associate professor, SP Engineering college

Dr. Hemangi Bhagwat

Web-site report for college magazine

Web-site name:

www.somaiya.edu/kjssc

Following information is uploaded on college web-site.

- Department Profile which contains information about details of each faculty of the respective department, Academic plan, syllabus, timetable and departmental activities is uploaded for every academic year.
- Regular, ATKT, Additional examination timetable and results of various examinations conducted by the college are uploaded regularly.
- Information about various events like conferences, cultural activities, seminars, workshops is regularly uploaded on college web-site.
- During admissions, prospectus, details of admission procedure, online submission of admission forms, merit list etc. are uploaded.
- Online submission of applications for the various posts of non-teaching staff is done through Somaiya website.
- Online registration of alumni is done through college web site.
- Online application of travel concession is done through college web site.

Prashant Shah

Library Advisory Committee

A book exhibition was organized on 12th August 2015 on the occasion of "National Librarians' Day" which is celebrated in remembrance of professor of library science, Padmashree Dr S R Ranganathan, who had spearheaded library development in India.

It was inaugurated by Dr. Rajan Velukar; Provost, Somaiya Vidyavihar and Dr Vijay Joshi; Principal, K. J. Somaiya College of Science and Commerce.

About 2000 reference books and text books on various subjects were displayed in the exhibition. The display dotted several subjects like botany, biotechnology, biochemistry, chemistry, environmental science, geology, microbiology, mathematics, physics, statistics and zoology. The books from commerce sections include economics, accountancy and business communication.

The student's response was over whelming. The efficient library staff guided the students in dotting down the accession number, author and title of the book, so that students can come back and refer the book later on. They were surprised to know that our library has a wide collection of approximately 50000 books.

A special section on the "Gender issues" was displayed in collaboration with "Women development cell" of our college. The exhibits were based on women and women related issues. This section also included the literature of women writers.

On student demand the exhibition was extended for one more day. More than 200 students and staff members availed the benefit of this exhibition.

Workshop on Sexual harrassment

Date: 13.07.2015

Venue: Seminar Hall

Resource Persons: Dr Chayanika Shah, Member, wdc, University of Mumbai, Visiting Faculty, TISS
(Name, Designation, Institution)

No. of Students attended: 110

No. of Teachers attended: 10

Brief Write up about the event:

In this workshop ,Dr Chayanika Shah sensitized the students about the gender discrimination by having an interactive mode with the students. She explained the term sexual harassment and asked students to share their experiences. Guidelines were provided to deal with such experiences and the available support systems. Few students shared their problems with the resource person after the session was over. There was extremely good feedback about the session from the students as well as the staff members.

Dr Hemangi Bhagwat
Women Development Cell

Seminar Workshop Committee 2015-2016 Report on the Seminar “Students Evaluation”

A seminar cum workshop on “Students Evaluation” for all the teaching staff of the college was organized by the Seminar-Workshop committee 2015-16 on 20th July, 2015 in the seminar hall of the college from 10.00 am to 1.00 pm by Dr. Nandita Manglore.

The Seminar started with the Campus prayer. Thereafter, Dr. S. M. Pawaskar, Convenor of the committee welcomed and introduced Dr. Nandita Manglore to the audience.

During the seminar Dr. Nandita Manglore talked on assessment and evaluation process for grading and judging the academic achievements of students to track the progress and monitor the learning. She further elaborated on types of evaluation viz. formative, summative and diagnostic.

Dr. Nandita Mangalore then briefed the teachers on various modes of evaluation which include written test, oral exam and building skills. She then explained about domains of learning based on the three levels of mind viz. Cognitive, Psychomotor and Affective. Dr. Nandita Mangalore further elaborated on setting up of syllabi and learning objective i.e. what is to be expected from the students to learn from the course that they did not know before and then set questions to test those objectives and the questions can be based on knowledge, comprehension, application, analysis, synthesis and evaluation. She further stressed on to have more of application, analysis, synthesis and evaluation based questions in the T.Y.Bsc/B.com and M.Sc/M.com level.

Dr. Nandita Mangalore explained the process of setting up a grid to determine the order level of thinking skills being evaluated in the Question paper then made several groups among the teachers and asked them to evaluate old question papers and identify the thinking level of each question and put the marks in the appropriate grid box .

Dr. Nandita Mangalore then distributed the worksheet among the teachers and made them rewrite a question on a topic in 5 different ways to represent the questions in different levels of thinking i.e. knowledge, comprehension, application, analysis, synthesis and evaluation.

The seminar was followed by some intense questions from the audience on setting up a question paper and which were answered satisfactorily by Dr. Nandita Mangalore.

The seminar was well attended by the teaching staff from Senior College and was concluded with the vote of thanks proposed by Dr. Sanjay Joshi, member of the Seminar – Workshop committee 2015-16.

Gymkhana Records for 2015-16

Junior College

The academic year 2015-16 was yet another successful year for Sports in K.J.Somaiya College of Science and Commerce. Students from both junior and senior colleges performed well at the Inter-Collegiate, District and State Levels. Some students went ahead to participate at the national level. The Department of Physical Education also coached students who opted for credits from Sports as a part of the curriculum of the senior. The highlights of great performances by the students are listed below.

Junior College

1. Athletics

- Discuss Throw: Krithika Krishnakumar stood 2nd at DSO Level.
- Long Jump: Atharva Khedekar stood 2nd at DSO
- Shot Put: Krithika Krishnakumar stood 2nd at DSO participated at State Level

2. Badminton

- At DSO, won 2 rounds and lost in the 3rd round

3. Basketball

- At DSO, both boys and girl's teams lost in Kurla zone

4. Carrom

- Radhika Joshi stood 4th at National level competitions held at Tamil Nadu

5. Cricket

- At DSO, won 1 match and lost in next round

6. Fencing

- Ayush Sailoni participated at State Level competitions.

7. Football

- At DSO, won 3 matches and lost in quarter finals

8. Judo

- Tejas Gawali has participated at National level
- Varun Shroff stood 3rd in Divisional level competitions

9. Kabaddi

- At DSO, won 2 matches and lost the 3rd match in Kurla zone

10. Karate

- Nilesh Kumar stood first at State level and National level

11. Kick Boxing

- Himanshu Jadhav stood 2nd at State level

12. Table Tennis

- DSO: Secured 1st place at DSO. Selected for Division finals

13. Taekwondo

- Dhruv secured 1st place at DSO and has been selected for Division level
- College placed 3rd in Kurla Zone
- Tejas Dukhande stood 2nd in Federation Taekwondo competition at District level

14. Thang-Ta

- Himanshu Jadhav secured 1st place at Mumbai Suburban Thang-Ta District Championships 2015, Stood 2nd at Divisional level and selected for National level

15. Volleyball

- Both boys' and girls' team secured 1st place at DSO and selected for Division level

16. Yoga

- Keval Dedhia participated at DSO State Level competitions at Ratnagiri

Senior College

1. Badminton

- Participated at Inter-Collegiate competitions-july and August 2015

2. Best physique

- Sagar Kharat stood 3rd at All India University Competitions Dec.15 and jan 16
- Rahul Sanwane stood 3rd at Inter-Collegiate level competition organized by Mumbai University Dec.15

3. Chess

- Won at Inter-Collegiate level
- Selected for Zonal level
- Rashmil and Shivani selected for All India University Championships August 2015

4. Football

- Won 4 matches and lost in Semi-finals of Zonal round at Inter-Collegiate competitions organized by Mumbai University at Somaiya Sion Football grounds August 2015

5. Mallakhamb

- Omkar Anuskar participated for All India University Mallakhamb competitions

6. Power Lifting

- Adit Dumber stood 3rd at State Level Inter Collegiate competitions organized by Mumbai University-Oct-15

7. Table Tennis

- Jagruti stood 1st at Inter-Collegiate Level and selected for All India University Competitions
- Boys team stood 2nd at Inter-Collegiate Level and participated at Zonal level august and sept.15

8. Water Polo

- Participated at Inter-Collegiate level-Dec15

Annual Sports Day

INDOOR

Game	Participation of students Junior college & senior college
Table tennis	76
Carrom	82
Chess	55
Badminton	19

OUTDOOR - Held on 9th January 2016

Activities	Participation of boys and girl students Junior college & senior college
Athletics	546
I.d.c	
Toss faculty	

INTRA SOMAIYA INDOOR

Events	Participation	Performance
Chess	10	Nil
Carrom	10	Silver
Table tennis	10	Gold

INTRA SOMAIYA OUTDOOR

Events	Participation of students Junior & senior college	Performance
Foot ball	20	Gold
Basket ball	24	Gold girls & boys
Volley ball	24	Gold girls
Kabaddi	16	Nil
Kho-kho	16	Nil
Lawn tennis	5	Nil
Squash	5	Nil
Athletics	16	Winner
Cricket	16	Nil

- K.J Somaiya College Of Science And Commerce received General Championship Of Intra Campus Tournaments 2015-16
- K.J Somaiya College Of Science & Commerce received Best College In The Somaiya Campus 2014-15.

Ravindra Kumar
Head of department

Feedback Committee Report

The Feedback committee conducted feedback for teachers for the year 2015-16. The Innovation in this year's feedback is the online feedback for unaided section. Along with teaching staff, students have also evaluated Laboratory, Library, Office and other non-teaching staff.

The parents were also given a questionnaire for evaluation of the institute in the parents-teachers meeting. Some good suggestions were given by them. Feedback for the autonomy syllabus was also taken for different subjects from T.Y. students.

We are making attempt to get response from the community on different facts of the teaching learning process.

Dr.Smita Paranjape
Convenor

"Certificate Course in Bio-Physics"

Certificate Course in Bio Physics was started in the year 2012-2013, and now established as a popular course in the Institute. Students from first and second year are eligible for this course. This year also Two Extra Credits are allotted for the students successfully completing the said course. There are 25 students enrolled for this year.

It is the interdisciplinary course of one year duration for students of this College. The research trends are already heading towards merging of different branches of science. No longer can the biologist or physicists work in an isolated chamber to work for some science problems. The interactions amongst different branches are unavoidable. The lectures were delivered by prominent Teachers and Scientist from CBS, TIFR, and UDP, also from some nearby Institutes and of course from our own esteemed Institute. The Course comprised of lectures, practical, and Visit to science institute.

The course started with the introductory lecture given on Thermodynamics approach to Living system,

followed by lectures on life at cellular level by Convener and Co Convener respectively. Initially some experiments were carried on Microscopes as students from Physics and Mathematics background are unaware of these instruments. Observations on E-Coli cells, staining of flagellum etc were shown to students. Some experiments on laser and Ultrasonic Interferometer were demonstrated.

The lecture was also taken on Flagella: sensors and movers of cell, was well appreciated by all. The complex movement of flagella (complex 9+2 structure of flagella), beating movement of cilia, equivalent structure of dynamics of motion with Motor, route of signaling for motility, effect of change in length of flagellum on velocity of motion, torque produced etc were discussed.

Visit was conducted to Department of Bio Physics, Kalina on 18th September 2015. It was found to be treat for students. Students were very excited by receiving information and vast scope of said subject. In this visit, Dr. Mahesh Samant, Faculty of Department of Biophysics, University of Mumbai interacted with the students and gave them a brief idea of what is biophysics, How is it useful in various fields of science.

Then Mr. Bipin from the department of Biophysics explained the students about the functioning of heart and how the Electrocardiography is done and how Electrocardiogram is recorded on a graph. He actually demonstrated electrocardiography to the students. Three students voluntarily came ahead for the demonstration of ECG.

Session of Group Discussions was conducted for students, in which students took active participation and also articles on the selected topic (like NMR, Nanotechnology, Blood related disorder, Pacemaker, Mathematical Bio-Physics, Thermodynamic approach to Bio-Physics etc.) were submitted.

The second term of the course is going on and lectures on Nano Transmitters in Bio-Physics was discussed by Dr. Aannad Ambardekar and Prof. Prajakta Borgaonkar, in which electrical properties of Neurons were discussed. The lecture by Dr. Sanghamitra Khatua (Associate Professor, Jai Hind College) on 'The role of Physics and Biology in Medicines' was well received by students. The second academic visit to Department of Bio-Physics was conducted on 5th February 2016. In this visit Dr. Mahesh Samant

explained two instruments; Fluorescent Microscope and Spectrophotometer and how they are important in biological sciences. Then Mr. Bipin and Mr. Vinod from the Department of Biophysics, University of Mumbai demonstrated how to use the two instruments. After this, Dr. Mahesh Samant closed the session by giving an idea of how biophysics as a science could be used in various fields and what are the career opportunities if one does PG in Biophysics. There will be Group discussions and presentations by students in the month of April.

We are hoping that this Interdisciplinary course will go further in its contents and scope and many more students will be benefited from it.

Convener: Prof. Jitendra Pendharkar (Department of Physics)

Co Convener: Prof. Dr. Lolly Jain. (Department of Microbiology)

Induction Programme for First \year Students

Date: Saturday 25th July 2015. – All First Year students (Aided and unaided courses).

Venue: K.J. Somaiya Engineering College Auditorium.
Induction programme was conducted in four sessions.

1. First session- Time 9.30 am to 11.00 am
Class F.Y. B.Com
No. of students attended 237.
Resource person: Prof. Subhash Krishnan, Convenor, Examination Committee briefed students on all aspects of examination in detail.
2. Second session – Time 11.30 am to 1.00 pm
Class: F.Y. B.Sc. IT and F.Y. B. Com (Accountancy & Finance, Finance markets) and F.Y. B.M.S.No. of Students attended: 236.
Resource person: Mrs. Leena Kharkhanis, Mrs. Meenal Deepnaik, Mrs. Monica Lodha. They briefed the students in detail about the examination system in their respective fields.

3. Third session- Time 1.30 pm to 3.00 pm.
Class: F.Y.B.Sc. A,B & C divisions.
Number of students attended: 188.
Resource person: Dr. Lolly Jain.

4. Fourth session- Time 3.15 pm to 4.45 pm.
Class: F.Y.B.Sc. D & E divisions.
Number of students 276.
Resource person: Dr. Lolly Jain.

All resource persons at the four sessions informed the students about examination system, credit based semester system, marking scheme, grade system, options, choice of electives, importance of attendance etc.

After the presentation by resource persons at each session, Principal Dr. Vijay Joshi addressed the students at length in each session. At the outset, he welcomed all the students for choosing the college for their academic pursuit. He informed the students about the college, its founders, various facilities available to them like sports with large number of choices, a coach who was a national champion, cultural activities ranging from dance, music to dramatics. He spoke about serious issues like importance of attendance, elective courses available.

The Principal instilled lot of confidence in the students. It was a very interactive session with students and he answered all the queries of students very satisfactorily. In each session The Principal presented a single red rose to representative students of the class as a gesture to welcome them to the college. Students went home very satisfied with a smile on their face on receiving a chocolate at the exit gate.

Total number of students attended 936.

Dr. Veena Srivastava
Convenor, Attendance Committee



Literary Association

Date: 11th July, 2015, Saturday

Venue: Seminar Hall

Resource Persons: Mr. K.D.Singh, Hindi Teacher (Retd), K.J.Somaiya College of Sci. & Comm.

No. of Students attended: More than 100

No. of Teachers attended: 10

Brief Write up about the event:

Literary association celebrated 'Kabir Jayanti' as its inaugural program for the year 2015-16. The program began with the campus prayer by Ms Savita Moghe. Shri K.D.Singh, the teacher (Retd) from Hindi Department of Junior College was chief guest and speaker for the program. Dr. Mrinalini Sathe, the convenor welcomed the gathering. Dr. Unnati Padalia did the compering with her usual ease and wit. Vice-Principal Shri Bhogesir spoke about his association with Shri K.D.Singh. Mrs. Sudha Agrawal introduced the chief guest speaker with a brief introduction to the life and work of Saint Kabir. Shri K.D. Singh narrated the life sketch of Sant Kabir, and cited Doha with the detailed meaning; which left the audience enthralled.

In order to encourage students for reading Sant Kabir related literature, four books were added to the Central Library at the hands of Shri.K.D.Singh. Participation of several students from junior and senior college by singing, citing dohas with meaning contributed towards the fulfillment of the objective of the program. Mrs. Savita Moghe's melodeous rendering of Sant Kabir's bhajan made the function lively and left the audience spell bound. Ms. Vaishali Nikumbh, Hindi teacher from Jr.College proposed the vote of thanks. The program ended with National Anthem.

The seminar hall was full to its capacity, with more than 100 students and teachers from junior and senior college making the event a grand success.

Mrinalini Sathe
Convenor (Literary Association)
Convenor
(Literary Association)



Report of Certificate Course in Research Methodology and Computer Applications

The UGC introduced new PhD regulations in 2009. For three long years from 2009 to 2012, the universities in the state continued to register candidates on old regulations. While adopting the new regulations in 2012, the coordination committee made it mandatory for all those candidates registered for PhD after June 1, 2009 to undergo coursework. The universities were directed to issue coursework certificates to the candidates on completion of the coursework.

The Mumbai University made six-month course work mandatory for pursuing PhD programme under its revised guidelines. The course work shall be treated as pre-Ph.D. preparation. The internal assessment has 40% weightage and external assessment has 60% weightage.

One of the courses is Research Methodology and Computer Applications. The objective of this course to pay attention to the most important dimension of research i.e. Research Methodology. It will enable the researchers to develop the most appropriate methodology for their research studies. The research student, in this age of computer technology, must be exposed to the methods and use of computers. A basic understanding of the manner in which a computer works helps a person to appreciate the utility of this powerful tool.

K.J. Somaiya College of Science & Commerce introduced the Certificate Course in Research Methodology & Computer Applications. It covers the Mumbai University syllabus. Any student registered in any institute with any subject specialization is eligible for this course.

The course commenced on 05th February 2016. Eight participants have enrolled in the fourth batch. Sessions were engaged by eminent scientists of reputed institutes in a span of six months.

Dr. Narendra Deshmukh of the Homi Bhabha Centre for Science Education, Mankhurd introduced the Significance of Literature Review. Prof. Ms. Sugra Chunawala, also from Homi Bhabha Centre for Science Education, Mankhurd discussed Do's and Don'ts of Research Writing. The remaining sessions we conducted in April and May 2016.

The course is appreciated by all the participants. We have participants from various colleges like Mithibaicollege, G. M. Momin Women's college and our own college.

Dr. Veena Khilnani (Convener)
Mr. JitendraPendharkar (Co Convener)

Report of the Honours Programme 2015-16

Honours degree is actually a part of an academic degree itself. 'Honours' basically means that students have achieved their degree with a high overall average GPA and they, typically, have undertaken a small final project, paper or essay presented as a dissertation. It is used to indicate the level of a distinction with which an undergraduate degree was earned.

An honours course is a choice for the most advanced students. Most students in honours programme are highly motivated and dedicated to their educational experience. Honours students cover advanced material, involve more in-depth study than a standard course of study and may perform independent research.

Motivation is the main quality that characterizes an honours student. In addition to being committed to academics, they are encouraged and many participate in volunteer work, organizations and clubs, cooperative education, research, study abroad and cultural activities.

Honors programs have specific entrance requirements and completion criteria in order to graduate with Honors. Students were conveyed the details during the orientation programme and in the classrooms, department wise. Many students showed keen desire to pursue the programme.

Honours students are often recognized for their achievements. A student on the honor roll is awarded a degree certificate. Bro . Yash Punjabi and Sis. Rashi Gupta received the Honours Degree certificate for the academic years 2013-14 and 2014-15 at the convocation ceremony.

Dr. Veena Khilnani
(Convener)

Dr. S.M. Pawaskar, Dr. Veena Rao, Mr. Ajit Katdare
Ms. Chitra Trehan, Mr. Shabib khan,
Ms. Pooja Matlani

Report of Certificate Course in Research Methodology & Computer Applications 2015-16

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Dr. Veena Khilnani
Mr. Jitendra Pendharkar
(Co Convener)

A Report on Tenth Practical Practice Sessions (2015)

Conducted for *Homi Bhabha Bal Vaidnyanik Competition*

Homi Bhabha Bal Vaidyanik (HBBV) Examination, being conducted by Maharashtra Science Teachers Association, registers participation of lakhs of school-going children from the standards VI and IX, from the state of Maharashtra. HBBV examination has three levels; theory, practical, project/interview. For the students who have cleared their first level of written tests of *Homi Bhabha Bal Vaidnyanik Competition*, we at K.J. Somaiya College of Science and Commerce hold Practical Practice Sessions.

In the year 2015, tenth edition of Practical Practice Sessions in Physics, Chemistry and Biology was organized on December 06 and 13, 2015 for the students from standard IX and VI. In all, twenty five students from different schools from Mumbai, Navi Mumbai, Thane registered and got benefited from these sessions. These sessions are designed beyond their school curriculum, and out-of-textbook.

These sessions, spread over two days, were conducted in four sessions (Physics, Chemistry, Botany and Zoology) were of three and half hour each. Moreover, it provided these participating students an opportunity to carry out experiments with their own hands, giving more emphasis to hands-on approach than demonstrative technique.

While students had moved to the respective laboratories for practical sessions, their escorts, parents, guardians were addressed and informed about various competitive opportunities available for their

wards in the field of Science, initiated by the Government of India.

The students and their parents, through their feedback, appreciated our involvement and acknowledged our efforts in training these 'Budding Scientists'. Practical performed by them in Physics, Chemistry, Botany and Zoology was found to be interesting and informative. Accordingly, explanation given was perceived to be excellent by all the participants.

The analysis of the feedback forms filled by the participants reveals that overall, every participant found that during the day they not only learnt but also enjoyed. In addition, cent percent of the respondents look forward for attending such sessions even in future, too.

Dr Meena Sharma
Course Coordinator

Extension Courses Committee

The workshop Warli Painting was held on 4th July 2015 at Junior Biology Laboratory, 2nd Floor, KJSSC.

The resource persons was Mrs. Anjali Majumdar, Ex-vice principal and Head, Dept. of Microbiology, KJSSC. The Number of participants was 61 ; 2 Participants from S.K.Somaiya Degree College, 1 Participant from K.J.Somaiya, IT College, Sion, 2 participants from SIMSR, 1 participant from The Somaiya School, 21 teacher participants from Junior and Degree college, KJSSC, 1 participant from Office staff, KJSSC and 33 student participants from KJSSC. Mrs. Anjali Majumdar began the session with a brief introduction to warli art, the tribal culture and the background for this form of painting. Participants were introduced to the basic elements and forms used in warli painting, followed by hands-on practice session using pencil. Suggestions regarding the errors done while drawing and in the proportions of figures were also made. Participants were asked to paint their imagination, using a paintbrush on a terracotta/gheru color paper which forms the true way of warli painting. This was followed by painting on an envelope and earthen pot. The concluding session comprised of augmenting the thought process by showcasing few masterpieces made by veterans as yardsticks and guidelines for future and personalized warli painting. The enthralled participants were awarded with a

Certificate of Participation. A registration fee of Rs. 100/- was collected from all the participants and material was provided to them.

On request from the office staff, the extension committee organised an ice-cream making workshop 9th July 2015. Mrs. Alpa Bhanushali taught them the basic two bases used in ice creams: Vanilla and Chocolate. She then demonstrated the making of Oreo ice-cream, fresh fruit icecream, Mango icecream and roasted almond ice cream. She also made dry fruit Kulfi and chocolate Kulfi. Detailed notes as well as certificates were provided to the Participants. All the participants were very contented at the end of the workshop.

A cake making workshop was successfully conducted on 10th August 2015 at Botany Lab. It was well responded by 31 students, teaching and non teaching staff from junior and senior college. Mrs. Alpa Bhanushali gave a demonstration of how to bake a cake in the pressure cooker. She also shared ideas of cake decoration and allowed participants to personally try out under her supervision.

Nature Club inaugural lecture

Date: 9th July 2015

Venue: Seminar Hall

Recurse person: Mr. Sunil Joshi. Former entrepreneur, Great Outdoors; Freelance Trainer for outdoor activities

No. of students attended: 48

No. of Teachers attended: 04

Brief write-up about the event:

Mr. Sunil Joshi, introduced about variety of outdoor activities conducted in water, land and air. Then he talked about hiking, trekking in general; Do's and Don'ts for hiking. He also shared his experience of 2600 km walk in Norway.

Finally he talked on experience of his month long stay with nomadic Shephard (Dhangar) tribe of Maharashtra. Also he explained how they survive in the open without walls, environment friendly making of Blanket.

Introductory Course on Nanoscience and Nanotechnology

An elective course on Nanotechnology was offered to the "F.Y.B.Sc" students. The course introduces students to the basic concepts, techniques and tools that are central to the rapidly developing field of nanotechnology and to some of the important scientific and technological innovations that are now emerging or are expected to emerge, addressing their ethical, societal and environmental impacts. An expected outcome of the course is that the students should be able to realize nanotechnology as a new paradigm in fundamental thinking and to take advantage of the nanoscale opportunities to develop novel nanotechnology applications.

To make the course more interactive, laboratory visits to TIFR and Centre of Nano science and Nanotechnology; University of Mumbai are included to inculcate the practical feel of the technology. The students are encouraged to participate in seminars. The course involves active student participation through student presentations and hands on experience on synthesis of nano particles.

The inaugural lecture was delivered by Prof. D. C. Kothari, Director, Centre of Nano science and Nanotechnology; University of Mumbai. Dr. Kothari talked at length about the applications of nanotechnology and also dealt with its social impact. Prof Umesh Shinde, K.J.Somaiya College of Information Technology, Sion, exposed students to the structural and optical characterization techniques used at nanoscale. Prof. Madhavi Thakurdesai, Birla College, Kalyan, talked about the synthesis of nanoparticles using swift heavy ion irradiation. Dr. Deepa Pujara, Target laboratory, TIFR demonstrated various deposition techniques. Mr. Rohan Turbhekar showed how actually a graphite nano film is fabricated. This year our students participated in seminar on "Nano biotechnology "at Birla College; Kalyan. Students were made to synthesize Ag nanoparticles.

In future we plan to incorporate more experiments for which we intend to collaborate with the Somaiya Engineering College.

Dr. Geeta Nair
Ms. Smita Survase
Course Co-ordinators

NCC 2015-16 Report

The NCC unit in the college has conducted following programmes in the year, 2015-2016

January 2015

On 26th January 2015 1 MAH GIRLS BN NCC participated in the parade competition organized by VISION SMART INDIA. Our platoon was awarded the best in drill out of the 82 other platoons from various schools and colleges. The occasion was graced by Lt. Gen. L. M. Nimbolkar.

February 2015

Pulse polio drive was conducted at R.N. Gandhi High School under the guidance of Capt. Pravin Haria in which 35 of our NCC cadets actively participated.

May 2015

20 of our cadets volunteered the awareness campaign of ACC cement supporting “Wear helmet, drive slow” on 20th May 2015.

6 cadets attended the Nilgiri Trekking Expedition at Ooty and completed it successfully.

June 2015

Annual Training Camp (3rd June to 12th June) was conducted at KV3, Coloba which was attended by 30 cadets from which 6 got selected for the Sena camp and 5 got selected for the Republic Day Camp.

SUO Sonam Singh got the best camp senior award.

CPI Snehal Bagad secured the 1st prize in debate competition.

On 21st June 2015, International Yoga Day was celebrated by NCC batalion in our college under the guidance of Adim Officer Capt. Manjeet Kaur. Total 300 cadets from different schools and colleges attended it.

July and August 2015

On 15th July 2015 Tree Plantation Drive was held at M.G. Road of Somaiya campus, within campus along with Zee media, BN organized in coloba.

Cleanliness drive under SWACHHA BHARAT ABHIYAN was conducted in college campus. From 27th July to 5th August 2015

Annual Training Camp was attended by 25 cadets. Cdt. Trinita Pinto Secured the 1st prize in Debate competition.

SUO Sonam Singh got the best camp senior award.

Our cadets also secured 1st prize for Line of Area competition and 2nd prize for Guard of Honor Competition.

On 9th August 2015 on account of Kranti Divas senior cadets of 1 MAH GIRLS BN NCC along with the cadets of 6 MAH BOYS BN NCC payed a tribute to all our brave freedom Fighters by giving Guard of Honour.

On 15th August 2015 69th Independence Day was celebrated in Somaiya campus.

January 2016

9th January 2016

Drill competition was organized by 1 MAH GIRLS BN NCC with the support from K. J. Somaiya College of Science and Commerce. We had participation from around 30 schools and colleges.

26th January 2016 Republic day was celebrated in Somaiya Campus by hosting our National Flag.

3 of our cadets who were selected in Republic Day Camp attended the Republic Day Parade in Delhi.

Cdt. Gayatri Vaishampayan
Cdt. Shilpa Shrigaoan
Cdt. Heena Inamdar



NSS 2015-16 Report

The NSS unit in the college has conducted following programmes in the year.

- on July 11 2015 on account of world population day a session on Emotional intelligence was organised. Dr Dushyant Bhadalikar talked about the importance of emotional intelligence in life and in corporate sector. Ten people from adopted area of the college railway police colony attended the session
- on 13& 14 th August 2015 Flag code awareness was organised in community and in schools of Mumbra and Govandi in which about 300 people were counselled about tricolour code of India.
- on 29th August 2015 NSS volunteers of the college have conducted Rakshabandhan as a token of social gratitude to railway police on central and western line. At CST Dadar, Kurla, Thane, Kalyan, Dombivli, Bandra, Mumbai Central around 650 policemen and womentied the rakhi.
- on 4th September 2015 malaria and dengue awaress drive training workshops were organised by the university in which 15 volunteers have participated. who have later worked in the field.
- on 5th September 2015 the PO has conducted the NSS orientation and about 70 new volunteers attended.
- on 10th 12th 14th and 15 September 2015 Malaria Dengue project was conducted in Kurla - Kureshi Nagar, Nehru nagar, Mother Dairy-Tilak Nagar areas in which about six hundred tanaments were covered for awareness with placards rallies and leaflets.
- on 16th and 17th September 2015 Kabir Nonfiction festival was organised in Somaiya Vidyavihar which was attended by 10 volunteers.

September 21/23/27 : After the training programme on 18th Sept, the volunteers carried out crowd control and guidance towards safety and smooth occurance of Ganapati festival on

21st, 23rd and 27th Sept 2016 in Sahyadri Mandal, Tikal Nagar Chembur, Rajawadi hospital, Sindhu wadi .

- Crowd control training programme
A training programme for the road safety, crowd control and discipline was organised with the help of Mumbai police on 18th Sept 2015 in the college in which about 80 volunteers from Golwala college, SK Somaiya college. KJ Somaiya college of Arts and Commerce and KJSSC have participated. The resource person for the programme was PI Darade from Tilaknager police station. he has explained the crowd management, and Dos and Donts of crowd control.
- On 23rd and 24th Sept 2015 on account of NSS week celebration exhibition and personal counselling was organised in railway police colony . The areas of exhibition and awareness were women respect, road safety, complete health, disaster management save urban water and electricity, diabetes, cleanliness ect.
- On 24th Aug 2015 in response to the call from MCGM a planning meeting for malaria and Dengue awareneess drive was organised for that planning the meeting was organised in Kasturba Hospital Byculla and attended by two volunteers of the college. the meeting was chaired by Dr. Padmaja Keskar Executive Health officer MCGM number of medical officers and members of United way NGO and SD Trust.
- 25th September 2015 was an Open day in the college in which about 200 school students of 16 schools in Ghatkopar and Vikroli have visited the college. for these students a training session on disaster management with the help of exhibition was organised by NSS volunteers in college.
- on 2nd October 2015 University organised Bhajan Sandhya at Gateway of India in which college NSS unit organises exhibition every year on woman respect, diabetics malaria dengue road safety, water saving substance abuse cleanliness with the help of about 200 posters. This year the exhibition was seen by

about 3600 students and bypassers in addition. At the end of the programme crowd control was added as result of heavy rail when was rendered by college students along with some Avhan volunteers. the programme end garbage was cleared by Somaiya college volunteers.

- On October 10th 2015 a Fire drill was conducted in B.Ed college. About 60 students have attended the session on improvised technique fire extinguishing practical and college evacuation.
- Tree plantation was conducted on 5th June 2015 and 8th Aug 2015 in railway police colony where 50 peepal saplings were planted by 20 volunteers. the survival rate is 50 %.
- Nov 26 - Blood Disorder session was conducted by Shri Vinay Shetye and Dr. Swarupa Bhagwat of KEM hospital different disorders were explained to students.
- Nov 26 - Constitution Day was commemorated on 26th Nov 2015 in the college. the programme officer has the preamble of the constitution and explain it to students. The poster exhibition of about 45 posters on constitution was also organised
- On 26th November Tribute to martyr's of 26/11 was organised by poster exhibition in which there was Paying tribute by flower girdle by Principal and expression space to students on terrorism.
- On Nov 27th Nov 2015, a blood donation drive was organised in which KEM and Somaiya blood banks were given a call. Blood collected was KEM and Somaiya blood bank 31 and 67 bottles respectively. along with blood donation Thalassemia checkup and stem cell registry was also conducted.
- On 30th November 2015 - Evacuation session was organised by the past volunteer Shri. Madhavesh Dhanda for about 43 volunteer. same day was the inauguration of Environmental Skill building, Introduction to entrepreneurship on behalf of RGNIYD in the college which was attended by 45 volunteers
- On 1st Dec 2015 being the World AIDS awareness day the exhibition and life skills sessions were organised in the college. the programme officer of the college has conducted

the sessions.

- On 5th Dec 2015 an innovative project was organised in association with TISS Deonar about the sensitisation of community towards psycho-somatic disability. in which 12 NSS volunteers from KJSSC underwent a sensitisation training in TISS for a day. about five different types of disabilities viz. visual impairment, speech and hearing impairment, locomotory impairment and intellectual impairment were learnt with different types of games and brainstorming. this was taken as community project in which in the later times KJSSC volunteers went to different organisation like Forensic science institute, Juslok hospital to make aware the people about the issue with the help of practical activities.
- on 12th Dec 2015, the sensitisation workshop for the programme officers in the university was also organised in Somaiya college which was attended by about 30 people from different colleges.
- Every year KJSSC volunteers go to Shivaji park to appeal the visitors towards various issues in the society. this year too about 35 volunteers went to Shivaji park and interacted with thousands of volunteers on various issues like cleanliness, women empowerment, road safety, save water with the help of brochures and posters. A huge exhibition with the help of about 200 posters was organised at the place. students have also helped for the crowd control after the call from railway police on Dadar station and at the Shivaji park. Students have done counselling of the visitors on departure trains on request from police.
- The disaster preparedness team of the college has helped in conducting Avhan mock drill and brush up programme on 14th and 15th December 2015 in khalsa college; where about 65 volunteers from all over Mumbai and Avhan returns were assembled. volunteers were taught Search & Rescue (SAR) operation, Standard Operating Procedure (SOP), Fire drill, table top exercise building evacuation etc as a part of training.
- On 21st Dec 2015 the fire drill and lab fire extinguishing techniques were demonstrated to the chemistry students of the college, that comprise types of fire, structure and types of extinguishers. improvised techniques and related practical.

- Jan 21 - snehalay 3
snehalay is an organisation working for commercial sex workers destitutes and their children in Aurangabad. the director of Snehalay Prof. Girish Kulkarni was in mumbai. Somaiya Vidyavihar invited him in the campus to have a dialogue with student community. The Nss unit accepted the responsibility of organisation of the programme.

50 NSS volunteers from K.J. Somaiya and S.K. Somaiya

NSS Camp Nareshwadi (25th - 30th October, 2015)
the NSS annual camp for rural reconstruction was organised from 25th Oct to 31st Oct 2015 in Dhundulwadi in Dahanu taluka of Palghar district. The camp was highlighted by following activities

- 1) Room cleaning and planning for the activities in village and ZP school on the first day.
- 2) demonstrations in the school for prose reading, poem reading and word composition for lower divisions
- 3) Soak pit repair in the school premises which was built two years before by the NSS volunteers.
- 4) Garbage bin cleaning and disposal within the school compound
- 5) Awareness about complete health which comprise diabetes, in Patilpada
- 6) Explanation of science concepts to Std 6th to 8th like blood circulation in human body, solar system, Method of separation of substance, Classification of substance, Litmus testing and pH indicator, Acid and base, Magnetic effect due to electric field, Magnetic attraction, Propagation & reflection of light, Sound generation
- 7) The multimedia " Mulgi vayat yetana" and "mulga vayat yetana" were shown towards adolescence awareness for girls and boyes.
- 8) Awareness about tobacco and its impact on human body in Patilpada, Navapada, Dhundalwadi, Khadkipada of the village Dhundalwadi.
- 9) Some disaster preparedness activities were demonstrated in Dhundalwadi ZP school and Fire drill with improvised techniques in both, Dhundalwadi school and Chinchlipada Ashramshala like fire drill with improvised techniques for all students, sessions on disaster management and school evacuation for Std 7th,8th,9th and 10th. also Session on types of fire & human and animal safety.
- 10) Distribution of stitched notebooks , new notebooks , shared story books , shared stationary material & clothes & new story books for school library in the hands of Prof. Bidwe- NSS Coordinator , Prof. G Y Shikre- District Coordinator for Palghar & Prof. Gaware- Ex-area Coordinator
- 11) Exhibition of posters on women respect & diabetes, adolescence, snakes in locality, permanent display of posters on vector-borne diseases like leptospirosis, malaria, dengue, swine-flu ,jaundice, typhoid, diabetes.
- 12) Conduct of various competitions for Std 5th to 8th on Essay writing, Drawing, Poem reciting, Handwriting etc.
- 13) Demonstration and training for complete Sun Salutation and basic Aasans foe Yog.
- 14) Visit to Rubber Board Estate and Processing Unit
- 15) cleanliness around the local bore well and civil line cleaning
- 16) A session was organised on blind belief eradication by Shri. Kudloskar
- 17) Performance of street plays on themes like Domestic violence, and School dropout at ZP School Dhundalwadi, Dhadipada/ Gram Panchayat Office, Bazar Pada & Temple Titha.
- 18) On 31st Octber being the national integration day two rallies were organised in both, Dhundalwadi school and Chinchlipada Ashramshala vicinity and village. both the programme officers have expressed their thoughts on national integration, inclusive growth and patriotism. the Prize distribution in school due competitions was also organised
- 19) Some of the minor health activities like wound cleaning techniques, nail cutting were done in Dhundalwadi school.
- 20) On the last day 31st Oct, volunteers have done Hospital courtyard cleaning, Burning earlier garbage and cleaning camp rooms before leaving the site.

NCC



International Yoga Day



Nilgiri breaking in ooty



Tree Plantation Drive



Annual Training Camp (ATC)



Mountaineering Camp In Pahalgam



Celebration Of Gandhi Jayanti

Blood Donation Drive



August Kranti Diwas

NSS



drive Repair of old soakpit



Interaction with villagers in Dhundulwadi Dahanu



Planning for Mumbai wide Malaria Awareness



Construction of check dam at Khanivali Vasai



Orientation by colony incharge
before cleanliness drive



Cleaning Vidyavihar station premises



Cleanliness drive in
railway police colony

Sports



Cultural Forum Committee

Cultural forum this year initiated a unique approach and social but selfless approach in inaugurating and decaring of committee for the very first time with 90 %teaming of new batch which led to refreshing and youthful aura of the year.

Friendship Day

Majority being the freshers,Cf commitee had an ecstatic start with lovely ,exciting friendship day celebration with BFF`s test,random group selfies,etc..exploring friendly bonds all over the campus.

Janmasthami and Teacher`s Day

For the first time Janmahthami and Teacher`s day falling on the same date made Cf committee shared the parental love of students and teachers.Students greeted every teacher with handmade greetings and joyous celebration by cake cutting with our beloved principal Dr. Vijay Joshi.Not only these ,but students worked dayand night making 3D standing model sharing emotions of love at the entrance.

Student`s Day

With the sad demise of Dr. A.PJ Abdul Kalam ,his birthday was celebrated as "student`s day".

All first years working overnight ,students surprised teachers and seniors with their crativity changing seminar hall into a galaxy depicting evey contibution by sir Kalam.We celebrated his birthday by cake cutting ceremony and held competitions paying homage tribute to our guide and light of India.

Attitude for Gratitude Day

Cf committee grabbed the benefits of this day and made sure to thank every person of the college,who have serve one or other way,sound good and also spreading message of what importance lies in this kind attitude.

Days

There were DAYS celebrated in a unique style with unique genre this year, by conducting open campus competition from the "**best Dressed**" to the "**Best BFF Behind Every Twin**".

A Big Change

Vibes To Phoenix

The new year CF committee made sure to initiate every possible step to spread positivity all over .With a strong backbone ,they arranged there inter-collegiate fest VIBES to PHOENIX,giving rise to a new boost eventually fulfilling dreams of BEST FEST in the state

For the very first time, a fest cpmpletely stood on the foundation of freshers who were totally unaware of it ,brought a newly profound success after yeras making fest , a best one on th3e fist step towards achieving goal.

It was led on a socaikl message "7 SHADES OF YOUTH",exploring the poitivities of new and growing generation,revolutonizing the society.Another ubniqueness to be having an album released on the stage by a Mumbai University singers.

Tribute to The Martyrs of 26/11

Cf committee declared it to be "snowwhite day" and paid tribute by lightning candles thus enlightening the sacrifice of our martyrs.



Team Achievements

48th Intercollegiate Youth Festival (Zone II)		
Event		Rank
Event Category – Performing Arts (Theater)		
1	Monoacting (Hindi)	III
2.	One Act Play (Hindi) – “Panchkam”	III
3.	Skit (Hindi)	II
4.	Skit (Marathi)	III Consolation to finals
5.	Mime	II
6.	Folk Dance (Hojagiri)	III Consolation to finals
Event Category – Fine Art		
1.	Clay Modeling	I
2.	Collage	II
3.	Spot photography	Consolation to finals+
Event Category – Literary Art		
1.	Elocution B	III
Event Category – Music		
1.	Indian Group Song	I
2.	Classical Vocal	Consolation
3.	Indian light Vocal	I
Hojagiri folk dance pranali TY IT		

Tarang

The Cultural Committee of K J Somaiya Junior College of Science and Commerce started with the celebration of Teacher's Day on 5th September 2015 followed by inauguration of Tarang by the Vice Pincipal Dr. Shailaja Menon and both Supervisors Mrs. Nina Phatak and Mrs. Jayanti Vishwanathan.

Tarang started with the celebrations of Twins Day, Mismatch Day, Chocolate & Rose Day Day, Swag Day, Traditional Day, Retro Day, Tie and Saree Day for the Junior College students from 4th December to 11th December followed by the preprations of various competitions and events. Competitions like Mimicry, Sand Art, Mehndi

and Tasveero ki Shero Shayari were held on 15th December. On 16th December, Tarang conducted elimination rounds for Quiz and Personality Contest and Cooking without Fire, Potrait Making and Rangoli on the same day simultaneously. On 17th December, we held Personality Contest and Quiz final rounds along with Photography and Make it Comic. All these events were held in room nos. 301, 308 and 309. On 18th December, Singing Competition was held in the Engineering Auditorium followed by Dance Competition on 19th December.

Celebration of Annual Day on 21st December in the Engineering Auditorium and Prize Distribution scheduled on 22nd December.

The Tarang Committee plus the extended Committee has put in efforts to reach success and students participated in large numbers and have enjoyed their fest.

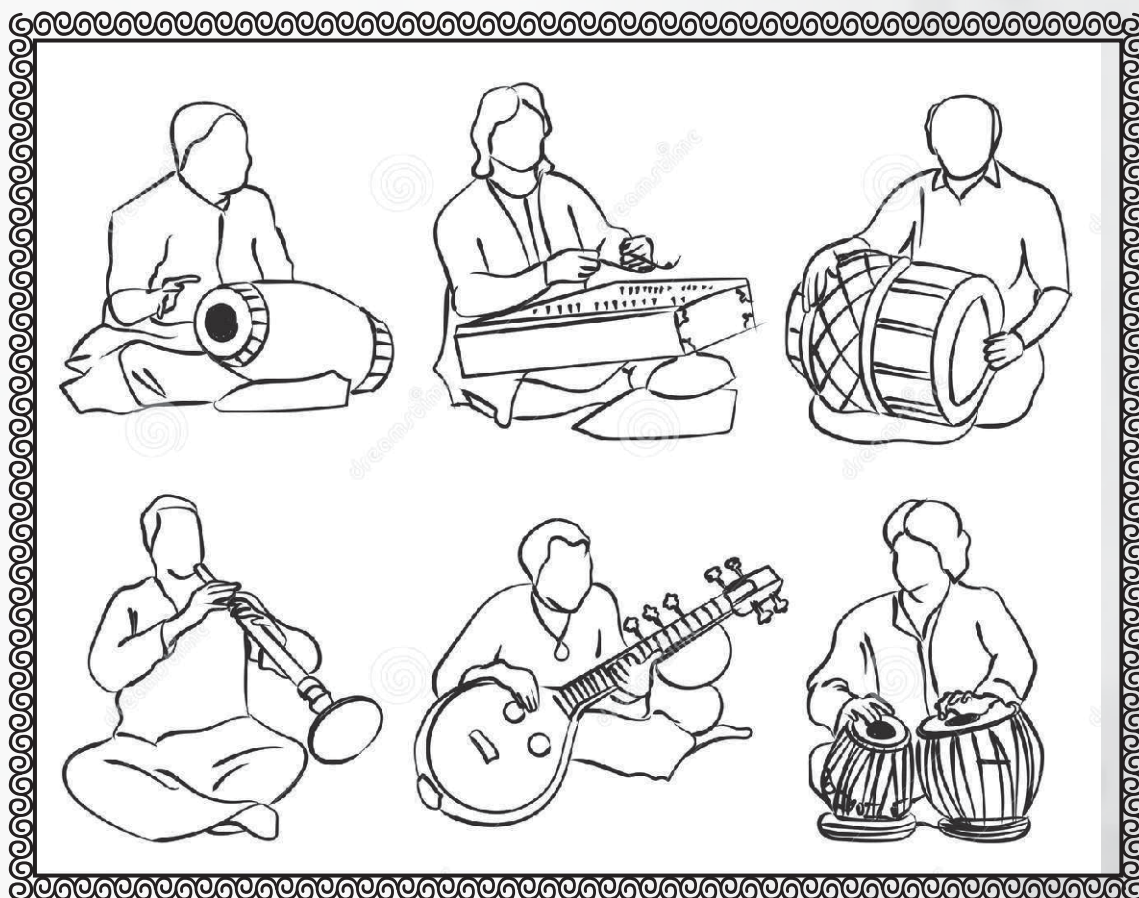
Saptak - The Music Club

2015-2016 is the Saptak's 5th year. By this time saptak is become very popular amongst the students in the college and campus. As per the motive of it saptak is creating an interest and awareness of the classical music amongst the students and the teachers of the college and Somaiya campus.

In this year on 9th December 2015 Saptak had performed 'Raag Pilu' which had unfolded the beauty of Raag Pilu in different forms at Nalanda (Red Hall) SIMSER.

All together 25 students had performed in this concert. On the 16th January, 2016 Saptak had performed a

musical melody at the occasion of alumni gathering of Somaiya Vidyavihar. Again in this year on 13th April, 2016 Saptak had performed a musical melody of different genres of music (Folk, classical and old filmy songs etc.) in the cultural programme jointly organised by Somaiya Vidyavihar and India-China friendship association with consulate General of people's Republic of China. The programme was highly appreciated by the audience. Many teachers are also enthusiastically preformed with the students in all the concerts. Saptak is awaiting to perform in coming years also. Principal Dr. Vijay Joshi, Convenor, Mrs. Savita Moghe, co-convenor Mrs. Smita Bhosle and all the committee members had taken great efforts to bring the success to all the concerts.



Annual Day





Tarang



अस्मिता





सप्तक





Phoenix

फेस्टमध्ये थिरकल्या लोककला

युथच्या स्पर्धात्मक फेरींची जल्लोषात सांगता;
कॉलेजिअन्समध्ये उत्सुकता चॅम्पियन्स ट्रॉफीची

कॅम्पस रिपोर्टर : रोहित पोखराकर, रमिका तेलंगे
नाट्य, नृत्य, कला, संगीत, लीटररी अशा पाच मुख्य विभागातील अनेकविध स्पर्धांमधून विद्यार्थ्यांच्या कलागुणांना वाव देणाऱ्या मुंबई विद्यापीठ आयोजित ४८ व्या युथ फेस्टिव्हलची बुधवारी जल्लोषात सांगता झाली. चर्चगेट येथील शाहीर अमरेश्वर सभागृहात विविध राज्यांचे प्रतिनिधित्व करणाऱ्या नृत्य स्पर्धेने युथच्या स्पर्धात्मक फेरीचा शेवटचा दिवसही दणाणून सोडला. गुजरातचा दांडिया रास, आसामचे बागरूबा, सौराष्ट्राचे टीपणी नृत्य, छत्तीसगडचे पणती नृत्य, मणिपूरचे नाई, त्रिपुराचे कोजागिरी नृत्य तर आडिवासी समाजाचे प्रतिनिधित्व करणारे होळी-नाटका तसेच डोंगी नृत्य, मांडिया जातीतील ठाकुर समाजाचा बोल नाच, आगरी समाजाचे प्रतिनिधित्व करणारे आगरीनृत्य आदी कलासंस्कृतीने नटलेल्या नृत्याविकाऱ्यांनी युथ फेस्टिव्हलची अंतिम फेरीही दरवर्षीप्रमाणे अविस्मरणीय ठरली.

सभागृह व्यासपीठावर...

मुंबई विद्यापीठाचे कल्चर समन्वयक आणि एकेकाळी युथ फेस्टिव्हलचा भाग असलेले निलेश सावे यांनी गायलेल्या सन आयलाय गो नारली पुजेचा, या गो दांडियावचना अशा कोळी गीतांवर विद्यार्थ्यांनी देका धरत व्यसपीठ दणाणून सोडले. प्रेक्षागृहात बसलेल्या युधेमेसींनी जल्लोष केला.

अटीतटीच्या झालेल्या या स्पर्धेत विवा कॉलेज, विरार आणि डीबीजे-चिपळूण यांनी पहिल्या क्रमांकावर थांबी मारली. तर दुसरा क्रमांक गाला कॉलेज, सेंट गोमाली गार्ल्स कॉलेज, वर्तक, मिठीवाई यांना विभागून देण्यात आला. तर रुपारेल कॉलेज, ईंदिरा गांधी, पोदार, कणकवली, डहाणूकर यांना तिसऱ्या क्रमांकावर समाधान मानावे लागले. गर्बा फेम गायक, आर. जे. राजेश भारीत, राजस्थानचे गायक प्रबुद्ध पांडे, प्रसिद्ध लोककला नृत्यांगणा गायत्री बायमोरे या मान्यवरांनी यावेळी नृत्य स्पर्धेच्या परिषदाची जबाबदारी पार पाडली.

महाराष्ट्रातील विविध ७ जिल्ह्यांमधून मुंबई विद्यापीठ संलग्न २०० महाविद्यालयातील जवळपास १० हजार एवढ्या मोठ्या संख्येने विद्यार्थ्यांनी युथ फेस्टिव्हलमध्ये सहभाग घेतला होता. दरवर्षीच युथमध्ये जोशी वेडेकर, मोठीवाई, सी.एच.एम., पोदार या महाविद्यालयांमध्ये फाट की टक्कर पाहायला मिळते. युथ फेस्ट २०१५

च्या ओव्हरऑल चॅम्पियनशिपसाठी नियमानुसार पुर्वील वर्षांपर्यंत प्रतिका करावी लागणार असली तरीदेखील २०१४ च्या चॅम्पियन्स ट्रॉफिचे विजेते म्हणून घोषित झालेले पोदार (प्रथम), जोशी वेडेकर (द्वितीय), मिठीवाई (तृतीय) या महाविद्यालयांच्या पुर्वील वर्षी घोषित होणाऱ्या चॅम्पियन्स ट्रॉफी मिळवण्याच्या आत्ताही द्विगुणीत झाल्या आहेत.

युथ फेस्टिव्हलचे व्यासपीठ हे प्रत्येक उभरत्या कलाकारासाठी खूप महत्वाचे आहे. कारण; प्रत्येक कलाकाराला हे व्यासपीठ वेगळी ओळख निर्माण करत देते. युथचा दर्जा दिवसेंदिवस वाढतच आहे. अंतिम दिवशी सादर झालेले नृत्याविकार हे खरोखरच थक करणारे होते. पवित्रात युथ ही उमळा आणि दर्जावर कलाकारांची मोठी फळी उभी करेल यात शंका नाही.

पुढारी Campus



युथ फेस्टिव्हल लक्षवेधी जवा नवीन पोपट हा...

एकेकाळी युथ फेस्टिव्हलचा जागवणारे आजचे आषाढीचे गायक 'सिद्धेश जाधव' आणि 'आदर्श शिंदे' यांनी युथ फेस्टिव्हलच्या अंतिम दिवशी उपस्थिती लावून युथच्या जुन्या आठवणींना उजाळा दिला. दोघांनीही युथ फेस्टच्या दिवसांत सादर केलेले दार उघड गे आहे, दार उघड... हा गोधळ आणि देवा श्रीगणेशा... ही मानवंदना सादर करत संपूर्ण सभागृह दणाणून सोडले. आदर्शच्या आवाजातील देवा तुझ्या गाभाऱ्याला... या गीताला उपस्थित तरुणांनी प्रचंड दाद दिली. तर नवीन पोपट हा द्वा गाण्याने सगळ्या सभागृहाला आदर्शने थिरकायला भाग पाडले.

रंगोळीच्या रंगातून मुलींना खेळासाठी प्रोत्साहन देणारे चित्र युथ फेस्टिव्हलच्या फाईन आदर्स इव्हेंट अंतर्गत साकारण्यात आले होते. काबड्डी, टेबल टेनिस, खो-खो, क्रिकेट अशा विविध मैदानी खेळातील शिष्यांचा उत्साहपूर्ण सहभाग या रंगोळ्यांमधून रेखाटण्यात आला होता.



INT OPEN HINDI TOP 5

आहे. पुर्वील २४ तासांत या वादळाची तीव्रता वाढून त्याचे केंद्रबिंदू लोख-पळीकडजाल होण्याची शक्यता आहे.

हिंदी एकांकिकांमध्ये आज महासंग्राम

मुंबई, दि. ३० (प्रतिनिधी) - अस्तित्व, आयएनटी आणि साठचे महाविद्यालयांच्या संयुक्त विद्यमाने आयोजित करण्यात आलेल्या खुल्या गटासाठी हिंदी एकांकिका स्पर्धेत चार एकांकिकांमध्ये महासंग्राम रंगणार आहे. स्पर्धेच्या अंतिम फेरीत वैविध्यपूर्ण विषय असलेल्या एकांकिकांनी स्थान मिळवले. उधा दुपारी साठेतील वाजल्यापासून साठे महाविद्यालयाच्या नाट्यगृहात ही स्पर्धा रंगणार आहे.

एक नई सुबह, पंचकम, तपोरा आणि इंदी या एकांकिकांचो अंतिम फेरीत निवड करण्यात आली आहे. महाभारतातील एका भटनेवर आधारित एक नई सुबह ही एकांकिका भाईदरच्या शंकर नारायण महाविद्यालयाने सादर केली आहे. या एकांकिकेचे लेखन चैतन्य सेंदाणे यांचे असून दिग्दर्शन नीलेश भोंडवे यांचे आहे. दुसरी पंचकम ही एकांकिका के. जे. सोमैया महाविद्यालयाची असून या एकांकिकेचे लेखन सचिन मोटे यांचे आहे, तर विनारक दितेकर यांनी दिग्दर्शन केले आहे. तपोरा ही साठे महाविद्यालयाची एकांकिका स्पर्धेत आहे.

लेखन आणि दिग्दर्शन केले आहे. इंदी ही आणखी एक एकांकिका इंदूरभू या मुंबईतील संस्थेने सादर केली आहे. या एकांकिकेचे लेखन समीर पैगकर यांनी केले असून गौरव मालवणकर आणि नीलेश माने यांनी या एकांकिकेचे दिग्दर्शन केले आहे. प्रत्येक एकांकिकेचा विषय अतिशय वेगळा आणि मांडणीही दमदार आहे. त्यामुळे या एकांकिकांमध्ये प्रचंड चुरस असणार आहे. स्पर्धेचे यंदाचे दहावे वर्ष असून प्राथमिक फेरीसाठी चंद्रकांत मेहदळे आणि प्रमोद लिमये यांनी ही स्पर्धा स्थापन घडविली बजावली.

उत्साहाचा उच्चांक !

'लोकसत्ता लोकांकिका' च्या मुंबई विभागीय फेरीत १७ एकांकिका सादर

साठे कॉलेज, मुंबई

लोकसत्ता

प्रतिनिधी, मुंबई

लोकसत्ता लोकांकिका स्पर्धेच्या तिसऱ्या मुंबईत प्रवेशी वेधे झालेल्या मुंबई विभागाच्या प्राथमिक फेरीतून

मुंबई विभागीय अंतिम फेरीसाठी पाच एकांकिकांचे निवड करण्यात आली. यात 'एम्स-मोटे' - म. स. डहाणूकर महाविद्यालय (लेखक व दिग्दर्शक- धोरेरा सुर्वे, कुणाल दास्त), 'सुरेगाव' - रईया महाविद्यालय (लेखक व दिग्दर्शक- अर्पित खोरे), 'अमर' - साठे महाविद्यालय (लेखक व दिग्दर्शक- अर्पित खोरे), (पान २ व ३)

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इंडियन नॅशनल थिएटर आयोजित

(सहयोग : रंगस्वर - यशवंतराव चव्हाण सेंटर)

के. प्रवीण जोशी आंतर महाविद्यालयीन मराठी एकांकिका स्पर्धा २०१५

प्राथमिक फेरी

दि. ९ ऑक्टो. २०१५ रोजी दुपारी ३.०० वा.

- १) के.जे. सोमैया महाविद्यालय
लेखक : म. स. डहाणूकर
दिग्दर्शक : म. स. डहाणूकर
- २) डहाणूकर महाविद्यालय - "बिंदुविर द लाईनस"
लेखक : चरम ओझा
दिग्दर्शक : चरम ओझा, कुमाल, रुचिरा.
- ३) डॉ. टी.के. टोपे महाविद्यालय - "सुखी"
लेखक : अमरजोती अग्रवाल
दिग्दर्शक : अमरजोती अग्रवाल
- ४) विद्यालंकर महाविद्यालय - "भोव"
लेखक : अमरजोती अग्रवाल
दिग्दर्शक : अमरजोती अग्रवाल
- ५) किर्वा महाविद्यालय - "कलक डाऊन"
लेखक : सुधीर शिंदे
दिग्दर्शक : विनारक दितेकर

तिकीट दर

२००/- १५०/- १००/-

LOKANKIKA
TOP5

INDIAN NATIONAL
THEATRE TOP 20



RESULTS & ACADEMIC ACHIEVERS

**F.Y.J.C. 2016
FYJC Results**

Stream	No. of Students	Dist.	First Class	Second Class	Pass Class	Promoted	Fail	Passing Percentage
Science	691	58	290	245	05	70	23	96.67%
Comm.	349	30	203	96	04	11	05	98.56%
MCVC	29	00	09	13	01	05	01	96.55%
Computer Science	100	41	49	07	00	02	01	99.00%
Electronics	98	07	64	25	01	00	01	98.97%

**Our Performance
Board Topper (2014-2015)**

Stream	Rank	Overall Toppers	Final %
Voc. Science	1 st	Mehta Manan Rakesh	96%
	2 nd	Varma Sujay Parmeshwar	93.38%
	3 rd	Jagni Jhanevi H	93.08%
Gen. Science	1 st	Gaganeshwari Sawant	92.31%
	2 nd	Verma Rishi Sanjay	89.85%
	3 rd	Gawade Rushikesh N	89.38%
Commerce	1 st	Deo Mugdha Nitin	90.62%
	2 nd	Bhanushali Vidhi J	88%
	3 rd	Shetye Shital	87.23%
MCVC	1 st	Mehta Mayank	80.77%
	2 nd	Shukla Astha	80%

Our Performance
Result of S.Y.J.C. (2014-15)

Stream	Appeared	Distinction	First Class	Second Class	Pass	Fail	Passing Percentage
SCi	899	225	459	186	04	25	97.22%
Com	364	228	126	6	3	1	99.73%
MCVC	32	5	16	9	2	0	100%

Board Topper – (2015)

Stream	Rank	Overall Toppers	Final %
Voc. Science	1 st	Mehta Manan Rakesh	96%
	2 nd	Varma Sujay Parmeshwar	93.38%
	3 rd	Jagni Jhanevi H	93.08%
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	3 rd	Shetye Shital	87.23%
MCVC	1 st	Mehta Mayank	80.77%
	2 nd	Shukla Astha	80%

Topper List of First Year and Second Year Science & Commerce Student

Sr. No.	Students Name	GPA	Class
1.	Thakkar Dimple Ranjitkumar	6.60	F.Y.B.Com
2.	Shah Zill Kiran	7.00	S.Y.B.Com
3.	Kapdi Kuldeep Ashwin	7.00	F.Y.B.Sc
4.	Malvia Jyoti Bastimal	7.00	S.Y.B.Sc
5.	More Divya Deepak	7.00	S.Y.B.Sc

Academic Achievers (Third Year & M.Sc.)

M. Sc.



Rina Nayak
Physical Chemistry



Vinita Arora
Physics



Rohit Thatte
Analytical Chemistry



Shaikh Sadika
Organic Chemistry



Mona Mehta
Nubraceulcats



Chitra Nair
Chemistry



Vaishali Patel



Sagar Rambhiya
Biotechnology



Ansari Musrat
Microbiology

TY B.Sc



Bushra Siddique
Biochemistry



Rashi Gupta
Chemistry



Sangram Sahu
Physics

Academic Achievers

TY B.Sc



Tejal kothmire
Statistics



Drashati Danani
Zoology



Pooja Nandi
Microbiology



Snehal Unde
Botony



Hiren Dandia
biotechnology



Ajali Jaiswal
Mathematics



Vikas Choudhari
Mathematics

Unaided Courses Toppers (2014-15)



Viral Sethia
TY BFM



Deepti Padwal
TY BMS



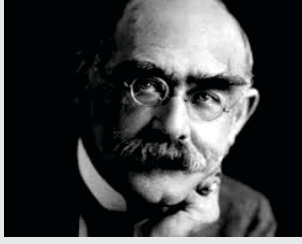
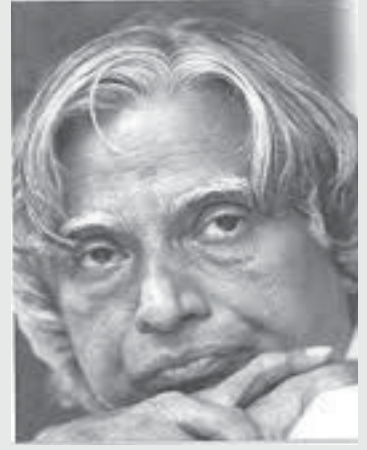
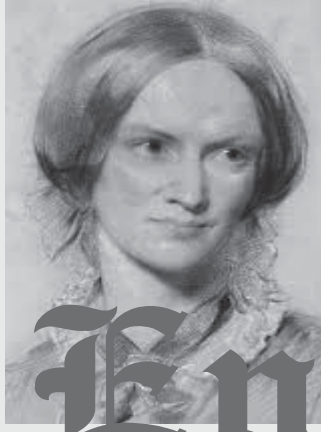
Manisha Panu
TY Bsc.(IT)



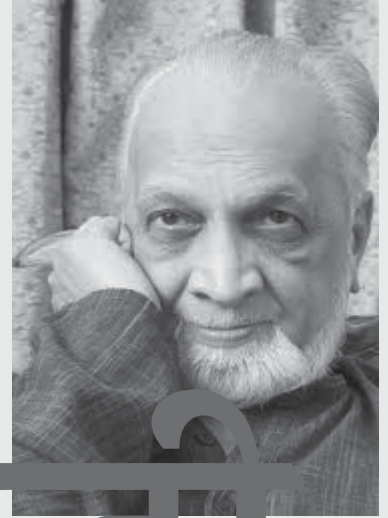
Philomena Michael
TY BCAF



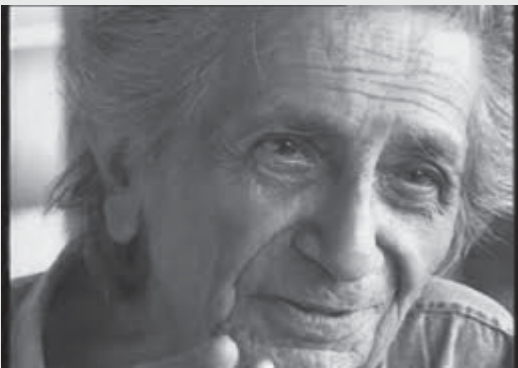
Marisha Joshi
TY BCAF



English



हिन्दी



मराठी

A Journey from Dead End

beginning of new Life

"With patience and perseverance and strong will power one can overcome Mountain"



Q. Could you please tell our readers the type of disease you suffered ,its symptoms and diagnosis .

A.I was diagnosed of CNS LYMPHOMA (Eye Cancer and brain Cancer). I had to undergo ten chemotherapy at an interval of one week. One chemo cycle lasted for one week. From 2013 my vision started getting blurred. Finally in 2014, I lost vision completely. For brain, I used to get headache 24 hrs. I lost my memory in the beginning and behavior became very abnormal.

Q. How was the diagnosis made ?

A. My friend (who is a doctor) admitted me in Nasik Hospital. There doctors have taken my M.R.I. It was diagnosed as brain Cancer with multiple tumours. I was directly shifted to Jaslok Hospital (Mumbai) because in Nasik doctors have told patient is sitting on Hydrogen Bomb. That Moment was very difficult to digest. I realized as if mountain has collapsed on me.

I was operated for brain again ,in all I underwent six operations. After each chemotherapy my all blood count would come down. My bones became brittle; vitamin D3 came down drastically to 07. My headache persisted. Major side effect is that I lost my Right Eye Vision. I was unable to climb staircases, my teeth turned black. My skin also turned black, started peeling from every part of organ. Due to chemotherapy, excess heat was generated in my body which was unbearable.

Q. Who was your support ?

After Hearing about brain Cancer, I was feeling depressed for two days, but my Husband was my first emotional support. He understood my mental condition and always gave words of mental strength. Though I was very weak but I was very happy to understand my Husband's encouraging support. This helped me a lot to face my chemotherapy. He is my Real support and strong pillar of strength and made me positive all the time. He played a role of everybody like cook, Sister, Nurse, Servant etc. He himself was scared internally but he made me mentally very strong that I will be alright.

This is all God's grace and every body's prayers that today I am able to stand on my feet. I came out of danger zone because of my Husband.

Q.A friend in need is a friend indeed...is it a myth or a reality for you ?

My school friend Dr. Santosh verma and Husband's friend Mr. Santosh Soni, they both are more than a family member to me. During my treatment days, my Husband was well supported by both of them. They were the guardian angel to my Husband. All the time both of them used to be with my Husband while discussing with Drs. S.M.Katrak (Neurologist) and oncologist Dr. Ganapati Bhat.

Dr. Shailaja Menon, Mrs. Jayanti V. and other colleagues from Physics Dept. visited me in the Hospital. After seeing them I felt resonated. In my absence follow up for medical letter to the college was done by the college friends.

In such trying times we should have a strong positive feeling and will power.

Q. Did you remember God?

My first and foremost strength came from my prayer. In the operation theatre also I was chanting mantras (Om Namha Shivay). These two years of my treatment was very difficult period of my life. It has left stretch mark in my mind. It was purely because of my Husband that I came out successfully.

Now when I think back, it was that support which changed my mental frame from fear to confidence.

Finally I salute to all my Doctors, Nurses, other staff of Jaslok Hospital, our Principal Sir, My friends, my colleagues and all above my HUSBAND.)

Mrs. Archana Zanwar – Physics Department
(Interview by **Dr. Unnati Padalia**)

Homage to Dr. Ramdas Pai

Professor Ramdas Pai was a senior lecturer in the Department of Zoology in the K.J. Somaiya College of Science and Commerce from 1961 to 1990. He also served as the Head, Department of Zoology and Captain of the NCC for a part of his tenure in college. We are reprinting an article published in The National Medical Journal of India Vol. 28, No.1, 2015 written by his nephew Dr. Sanjay Pai.

Ramdas M Pai

(20th January 1931 to 22 August 2014)

Ramdas Pai was for much of the late 1960s to the early 1990s, considered to be among the best zoology teacher in Bombay (now Mumbai). After completing his M.Sc. in marine zoology in 1954, he taught at the Ramnarayan Ruia College, Mumbai until 1961. He then moved to K.J.Somaiya College of Science and Commerce, Mumbai, where he retired as a Professor and Head, Department of Zoology in 1990. Until 1977, he was an efficient captain of the National Cadet Corps (NCC), in which he was immensely popular.

He was perhaps the most content man I have come across—he had no desires, beyond his wish to teach as many people as possible. He declined an opportunity to study abroad for a possible Ph. D. In the 1970s, saying “Let a young person take it up”.

Professor Pai's method of teaching was successful because he showed that there was a logic to biology, something that was not obvious initially. Students of standard XII sought him out for tuitions. It was partly as a result of being under his tutelage that numerous doctors especially in Mumbai and other parts of Maharashtra---many of them holding top positions in their fields today---fared well in the crucial examination. Given his incredible patience he was willing to explain a concept over and over again to someone who could not understand it. However, he was also a disciplinarian because, as he put it, “I have to be harsh to be kind”. A particularly striking example of his success as a mentor was when he chose to focus on the college rowdy and put him in the right path. This boy went on to join the NCC and subsequently, the army, who sacrificed his life in an act of valor in the war of 1965. Professor Pai wrote a touching short story about this in a serialised form in a Marathi newspaper.

He did not lack a sense of humour, though. For practically his entire career, he was the master of ceremonies at college events, especially for the popular Fishpond (alas, no longer a feature of parties--- for those of you too young to heard of it, it consists of making wise cracks on the person chosen for the Fishpond). Maratha history, Hindustani Classical Music and Ghazals (especially Ghulam Ali) and watching cricket on television were his other interests.

Professor Pai loved statements such as, ' Ontogeny recapitulates phylogeny' (from Ernst Haeckel) and 'A nonliving thing, when it comes in contact with a living thing, becomes living'. The latter seemingly senseless statement is reference to cell metabolism: when a nonliving object in the form of food enters the cell, it becomes a part and parcel of that wonderful thing, the living cell.

His wife Geeta, who was a splendid example of *acharyini*, supported all his activities. He could not have lived without his wife---and as it turned out, she passed away one week before he did.

As is obvious by now, R.M.Pai was not a medical doctor. The obituary pages of this Journal have thus far been reserved only for Indian physicians. Yet there are reasons for this seeming infraction. The first thing is that by honing the students' skills in biology, Professor Pai played a major role in getting them into medical schools. More important was his final act.

When I received the news of his passing away on the morning of 22nd August 2014, I was preparing a lecture was to be delivered the next day at a pathology conference. My first thought was that I need to go to Mumbai first for the last rites, which meant that I would have to miss my lecture. I knew that if he had been asked for an opinion on the matter he would have said emphatically, "Teaching comes first, forget the rituals". However he had no sons and I would have to be the one to perform the rites. I called his daughter my cousin, to ask her what would be the appropriate thing to do. To my surprise she told me, "There are no rites. In his will, he has donated his body for anatomy dissection". My uncle's final act was to teach medical students even in death.

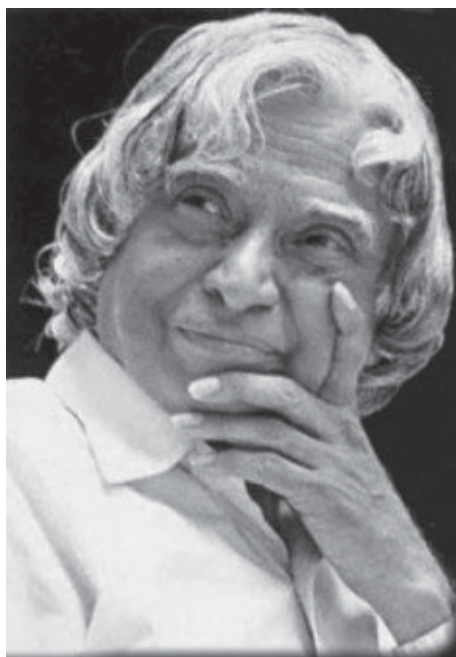
He must have been aware of the decline in the number of bodies donated for anatomy dissection and must have decided to do his bit. (I must state that subsequent to this, I have learnt of two other people who have willed their bodies for dissection). This will hopefully contribute to an improvement in medical education and help us create better doctors for tomorrow.

Most of us do not give a thought to the sacrifices that patients in teaching hospitals make. They poked and prodded and examined and practiced and so on, all because they do not have the finances to go to private hospitals. Rarely are grateful to them for their contributions to our education. Likewise, while we have clearly never disrespected the cadavers, we have not actively respected them either. However, I understand that St. John's Medical College, Bengaluru, holds a prayer service, in accordance with all religions, when the students are told about the cadavers, they will dissect and learn from – their 1st teachers in medicine- over the coming year.

The media rightly praises the individuals and their families when they donate organs- after all, kidneys, livers, heart valves and corneas save lives. However, little or no mention is made of those who donate every organ – to many people and for posterity. It is likely, of course, that many of these people, who will their bodies to science, are self effacing and would like to avoid the limelight. It takes tremendous courage and understanding for people to perform this last act of absolutely selfless and altruistic donation. Let us bow to them and learn from them.

Sanjay A. Pai

Department of Pathology, Columbia Asia Referral Hospital, Bengaluru, Karnataka.



**Don't read success stories,
You will get only message..**

**Read failure stories,
You will get some
ideas to get success..!!**

A Global perspective

In today's world, globalization is a buzz word. The forces of globalization and impact of technology are increasingly driving internationalization of knowledge. In this context, teachers have very important and challenging role to play. The teaching community, particularly science teachers are required to be aware of cultural context within their disciplines and they should be able to contribute to the intellectual, social, economic and cultural activities in the international community.

There is need to change for prospective teachers. It is because their students are continuously facing barrage of information from all easily available resources and he or she will be going to compete globally. Previously, limited attention is given to national or international perspective. The underlying assumption was that upon graduation all students will find adequate employment within given context. However, with rapidly changing scenario of globalization, easy access to knowledge resources and open economy with free market, the competition for available jobs has increased manifold. Now, even a graduate from say Cambridge or Harvard will also be able to apply for the jobs available in India. Due to Information Technology (IT) revolution the entire world has come closer and we now perceive it as a global village, with all jobs and other opportunities open and accessible to everyone.

In this context of globalisation, our education system, educational policies, educationists and most importantly teachers should embrace the change as per the need of the time. Now our students have all the access to the contents or material, however, it will be our job to extract and impart knowledge out it. Teachers should become facilitators for students rather than content delivers. Novel teaching methodologies with good input from technologies available should be framed. In this context, remote learning or learning from home, flip classroom and active students-teacher project based learning are few examples which can be used. To make our students globally competitive, especially science students, their teachers must train them not only in traditional sciences like Physics, Chemistry etc. but more emphasis should be given to interdisciplinary sciences like Biotechnology, Biophysics, Nanotechnology etc. These are the new emerging sciences and they will offer new opportunities and challenges to the global student community. Today it is absolutely essential to inculcate necessary practical skills along with required fundamental theory to the students because only pure theory will serve no purpose. Of course, it does not mean that pure theoretical studies are unnecessary, on the contrary, theoretical sciences like mathematics or physics should be practised rigorously to solve newer challenges that we may not be yet able to comprehend.

In conclusion, it can be said that today's education system and teaches should change according to the need of globalisation. Then only our education system will able to sustain and able to carve a niche in today's global village.

Dr Yogesh Ghalsasi
Dept. of Chemistry

Kaprekar

An Indian Mathematician



Dear students, if I ask, name few Indians who have contributed in the development of mathematics, I am sure I will get names like Aryabhata (Nine planets go around sun and year has 365 days), Brahmagupta (invention of zero), Bhaskaracharya (number divided by zero is infinity) or very recent names like Shrinivasa Ramanujan (Ramanujan Number 1729), P.C. Mahalanobis (Founder of Indian statistical Institute), C. R. Rao (Statistician – Theory of estimation), Harishchandra (infinite dimensional group representation theory). This article is to introduce another Indian mathematician who without any mathematical education published extensively and was well known in recreational mathematics circle.

Dattatray Ramchandra Kaprekar (1905 – 1986) born in Dahanu (Thane) district of Maharashtra. Kaprekar studied at Fergusson College in Pune till 1927 where he won the Wrangler R. P. Paranjpe Mathematical Prize for his original piece of work. He completed his graduation from university of Mumbai (1929) in Mathematics. Having never received any formal post-graduate training and had entire career (1930 – 1962) as school teacher at Nasik still he published extensively, writing about topics such as recurring decimals, magic squares, and integers with special properties etc. He is also known as "Ganitanand" (गणितानंद)

Working largely alone, Kaprekar discovered a number of results in number theory and described various properties of numbers. In addition to the Kaprekar constant and the Kaprekar numbers which were named after him, he also described self-numbers or Devlali numbers, the Harshad numbers and Demlo numbers. He also constructed certain types of magic squares related to the Copernicus magic square. Initially his ideas were not taken seriously by Indian mathematicians, and his results were published largely in low-level mathematics journals or privately published, but international fame arrived when Martin Gardner wrote about Kaprekar in his March 1975 column of Mathematical Games for Scientific American. Today his name is well-known and many other mathematicians have pursued the study of the properties he discovered.

Kaprekar Constant

In 1949, Kaprekar discovered an interesting property of the number 6174, which was subsequently named the Kaprekar constant. Kaprekar routine: Take a four digit number (n), arrange the numbers in descending order (n') and ascending order (n'') and then $K(n) = n' - n''$ and iterate. $K(n)$ is sometimes called as Kaprekar function. He showed that 6174 is reached in the limit as one repeatedly subtracts the highest and lowest numbers that can be constructed from a set of four digits that are not all identical.

1234	5732
4321 – 1234 = 3087	7532 – 2357 = 5175
8730 – 0387 = 8352	7551 – 1557 = 5994
8532 – 2352 = 6174	9954 – 4599 = 5355
7614 – 1467 = 6174	5553 – 3555 = 1998
	9981 – 1899 = 8082
	8820 – 0288 = 8532
	8532 – 2358 = 6174

Let us take a number 1234. The highest number that can be formed with these four digits is 4321 and smallest number is 1234 itself. Now subtract these two numbers and repeat the operation on result till you get answer 6174. Note if you perform same operation, you get answer again 6174. (Note: This is not applicable for numbers like 1111, 2222, 3333 etc)

Kaprekar Number

It is a positive integer with the property that if it is squared, then its representation can be partitioned into two positive integer parts whose sum is equal to the original number (e.g. 45, since $45^2 = 2025$, and

20+25=45, also 9, 55, 99 etc.) However, note the restriction that the two numbers are positive; for example, 100 is not a Kaprekar number even though $100^2=10000$, and $100+00=100$. This operation, of taking the rightmost digits of a square, and adding it to the integer formed by the leftmost digits, is known as the Kaprekar operation.

Number	Square	Note	Decomposition
703	$703^2 = 494209$	Since 703 is 3 digit number let us take last three digits as one number and decompose	$494 + 209 = 703$
297	$297^2 = 88209$		$88 + 209 = 297$
2728	$2728^2 = 7441984$		$744 + 1984 = 2728$
5292	$5292^2 = 28005264$		$28 + 005264 = 5292$
857143	$857143^2 = 734694122449$	Separate out last 6 digits.	$734694 + 122449 = 857143$

Devlali or Self Number

In 1963, Kaprekar defined the property which has come to be known as self-numbers, which are integers that cannot be generated by taking some other number and adding its own digits to it. For example, 21 is not a self-number, since it can be generated from 15: $15 + 1 + 5 = 21$. But 20 is a self-number, since it cannot be generated from any other integer. He also gave a test for verifying this property in any number. These are sometimes referred to as Devlali numbers (after the town where he lived). Sometimes these are also designated *Colombian numbers*.

Harshad Numbers

Kaprekar also described the Harshad numbers which he named harshad, meaning "giving joy". These are defined by the property that they are divisible by the sum of their digits. Thus 12, which is divisible by $1 + 2 = 3$, is a Harshad number. These were later also called *Niven numbers* after a 1977 lecture on these by the Canadian mathematician Ivan M. Niven. Numbers which are Harshad in all bases (only 1, 2, 4, and 6) are called all-Harshad numbers. Much work has been done on Harshad numbers, and their distribution, frequency, etc. are a matter of considerable interest in number theory today.

Demlo Number

Kaprekar also studied the Demlo numbers, named after a train station 30 miles from Bombay on the then G. I. P. Railway where he had the idea of studying them. These are the numbers 1, 121, 12321, ..., which are the squares of the repunits 1, 11, 111, ...

References

https://en.wikipedia.org/wiki/D._R._Kaprekar

1)

<http://mathworld.wolfram.com/KaprekarRoutine.html>

2)

Dr. Deepak More,
Dept. of Physics

“New Governance in Education: Vision 2020”

It is essential to decide the mission statement or plan for development for a Nation. It is like deciding the objectives for research. This motivates the thinkers, planners, motivators to chalk out plan to achieve those objectives, aims or in broader perspective goals, for Nation. While deciding these objectives it is important to consider the present status of Nation, Global requirements, present strengths and weaknesses, and a vision for Nation, as where exactly we want to see our Nation and peoples after five years or Ten years. Planning commission of India also set some objectives, aims for our nation for Year 2020. Different issues were considered very rigorously and deeply, based on surveys and observations done by various agencies and organizations at different time.

Education is the main thrust area. Greater coverage and better quality education at all levels from basic literacy to hi-tech science and technology is the essential prerequisite for raising agricultural productivity and industrial quality, improving health and nutrition, domestic stability and quality of governance. The report submitted by the committee calls for concerted efforts to abolish illiteracy, achieve 100 per cent enrolment at primary and secondary levels, and broadens access to higher education and vocational training through both traditional and non-traditional delivery systems.

Consider the remarks noted by the committee:

A successful education policy forms the bedrock of all fields of national development—political, economic, technical, scientific, social, and environmental.

Literacy, the basis of all education, is as essential to survival and development in modern society as food is to survival and development of the human body. Literacy rates in India have arisen dramatically from 18 per cent in 1951 to 65 per cent in 2001, but these rates are still far from the UMI reference level of 95 per cent. Literacy must be considered the minimum right and requirement of every Indian citizen.

Vast differences also remain among different sections of the population. These differential rates of progress leave approximately 300 million illiterate adults in the country, the largest number of illiterates in the world. For these people, the traditional avenues of knowledge dissemination through education and printed information are ruled out. These are the people who are most vulnerable to the challenges of development, because they are least equipped to rapidly expand their knowledge base. Since many of them are relatively young adults who will still be active in 2020, the country cannot afford to ignore them or leave them behind.

India's education system has expanded exponentially over the past five decades, but Out of approximately 200 million children in the age group 6-14 years, only 120 million are in schools and net attendance in the primary level is only 66 per cent of the enrolment. Further, less than 7 per cent of the children ever pass the 10th standard public examinations. Current achievements are grossly inadequate for the nation to realize its potential greatness.

The commission clearly stated that, Achieving 100 per cent enrolment of all children in the 6 to 14 year age group is an ambitious but achievable goal for 2020.

A tremendous expansion of schools and classrooms will be required to support a quantitative and qualitative improvement in the country's school system.

An enormous increase in the number of teachers will also be required to achieve the alternative scenario, i.e., eliminating primary school drop outs and reducing the teacher-pupil ratio from the present high level of 1:42 down to around 1:20, which is the UMI reference level.

Qualitative improvements in education were suggested by the commission:

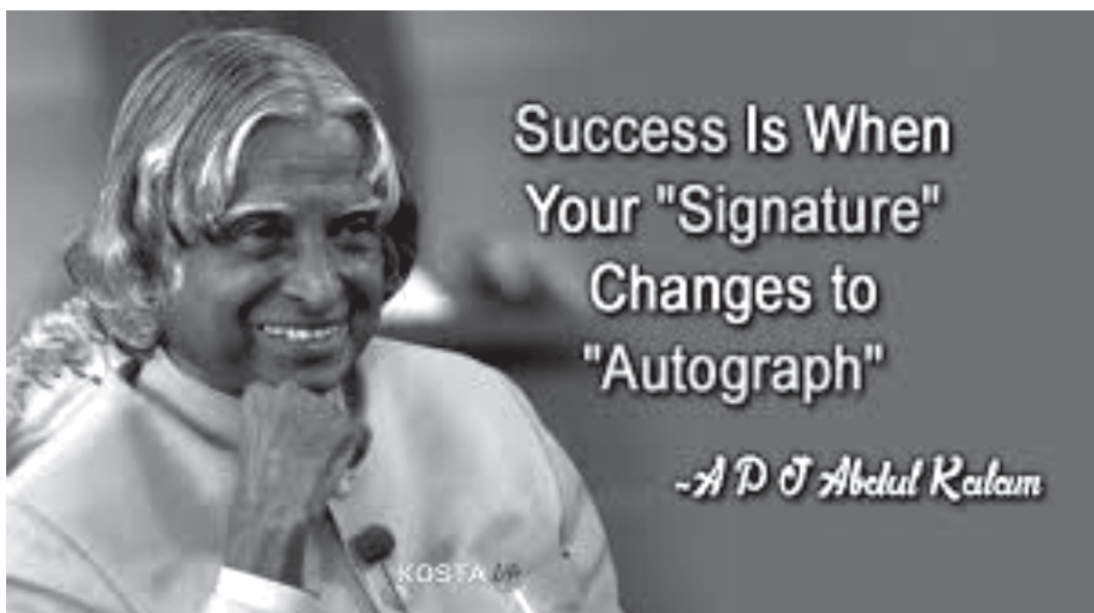
- 1) A shift from methods that emphasize passive learning to those that foster the active interest and ability of children to learn on their own.
- 2) A shift from memorization to development of children's capacity for critical thinking.
- 3) A shift from traditional academic to practically relevant curriculum.
- 4) A shift from imparting information to imparting life values such as independent thinking, self-reliance and individual initiative that are essential for success in any field of Endeavour.

It was expectation of the committee that, India in 2020 must be a nation in which all those who aspire for higher education have access to college and university level courses. A national network of community colleges, similar to the highly successful American system, is needed to provide knowledge and job-oriented skills to millions of young people who lack interest in or capacity for more stringent academic studies.

If we observed the requirements then it can be found that our Institute is trying her level best to give best quality education. It gives freedom to select type of internal examinations. It updates its syllabus and curriculum frequently as per the need of the learner and the industry. It also encourages the learner to opt for the foreign languages like Spanish, Chinese, Sanskrit, French etc. Also, through Music Courses, Drama Courses and Various Cultural Activities, which ignites the urge to learn soft skills at the same time introduces Cultural Heritage in our students. Our Institute is helping in improving the awareness amongst learners at school level through backward integration programs. Very large number of research papers were published by each department in last few years, as well as many research projects were successfully completed. It can be easily seen here that Our Institute certainly aiming in achieving aims set by our great Visionary.

Reference: Report of the Committee- India Vision 2020, Chairperson: Dr. S G Gupta, planning commission, Government of India.

Mr. Jitendra Pendharkar



An Introspection

From a Student to the CEOs of the Fortune 500 companies and from an ordinary man to the Powerful Politicians, probably everyone does it anytime and anywhere.

Guess what are we talking about? . It is something everyone craves to do with their so called “Smartphones”. Yes, it's all about the trending term SELFIE.

We have evolved from a monkey man (an ape) to a SELFIE man. Clicking a selfie is no more a matter of capturing a moment and making it a memory, but the obsessive urge to post them on social platforms. And this obsession is known as SELFITIS which is actually a disorder.

In the earlier times people used to worship Lord Ganesha before the commencement of any auspicious occasion. But these days “Ganapati Bappa Morya” has been replaced by “But first, let me take a Selfie.”

And these are the current scenarios:-

Friend 1: I wanna go to the washroom.

Friend 2: Come on, let's take a selfie first!

Pandit: Aap inki Aatma ki shanti ke liye kya karna chahenge?

Son: Pandiji, ek selfie le lu?

Yes, we aren't kidding; people click selfies even in the washroom and at funerals.

From classrooms to washrooms and from rail to funeral, selfie has become a self-obsession. Let us turn this self-obsession into self-realization. Let's sit back and take a Selfie of our inner self (Introspection).

Sometimes we don't want some things to happen in life, but we have to accept them and move on. So let's take a selfie about how strong and better we have turned up internally.

The person we trust the most breaks us, but still we forgive them and smile. So, let's take a selfie of that stronger smile. Negativity surrounds us in every walk of life, but we let positivity inside us to overcome it. Let's take a selfie of that positive side.

Everyone suffers in some or the other way in life. But the ultimate outcome is always a stronger person. It is rightly said that “we grow through what we go through” and “the days that break us actually make us”.

So this time post the selfie of how you turned up as a stronger and better person with the #AnIntrospectionSelfie.

Take care!

Ruchita Bagrecha
TYBSc Mathematics

SELFIE



the luna of one's own

On a very dark and silent night,
Where there is an ambience of doom,
There is nothing right left to sight,
But there is someone ignited and shines brightly,
That's the moon.

When there is motivation in heart,
Dreams come soon ,
They even fall apart,
But someone is always steady,
That's the moon.

There are hopes in despair,
And people seek for boon ,
They start themselves to prepare,
And there's no one else to brighten up their lives,
But the moon.

People forget the ground when they are high,
How very often they forget the wants to prune,
With the eye of greediness they start to sigh,
But there's always one selflessly glowing,
That's the moon.

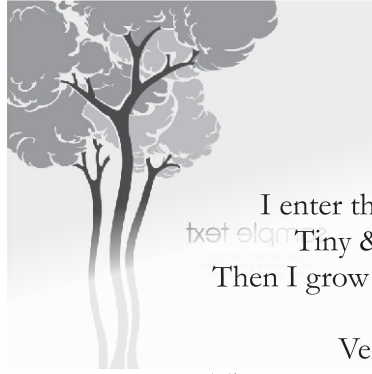
This is the world of rat race and crime,
And there's nothing to attune,
Gaining money is considered as prime ,
But someone shows the true happiness,
That's the moon.

Though he's not there in a month twice,
For that night he may swoon,
It may not be very wise,
But with determination he gets up again,
That's the moon.

There will always be one who is with us,
He may be a tycoon or a toon,
When needed he will surely fuss,
He will walk with you in sad times,
And he's your moon.

You all will have your moon,
He will be with joy in hue,
You may or may not find it soon,
And if you don't,
You yourself are the moon.

Krunal Mehta
(FYJC-E)



A Tree

I enter the earth as a small plant
Tiny & helpless like an infant
Then I grow up & become as active
As a school child
Very strong and very wild
Then comes the stage when I am of
Middle age, commandire & brave
Like a soldier who can withstand the
gigantic waves.
After few years I turn old & my growth
becomes slow.
And I start of to lose all my beauty &
glow.
In my younger years I was healthy and
fresh now my heart is in a bit of a mess.
But whatever age I am I'll not stop
giving you fruits.
Unless you pull me out of the soil by my
Roots!!

Halwai Rahina
T.Y.B.Sc. (Botany)

Humanity Disgraced

She looked at everyone's face,
But all of them were in a disgrace,
She was dying and her body bled ,
Instead of helping everyone just fled.

She tried to stop cars for ride,
But there was no one who stopped by her side,
No one showed up nor did anyone rise,
To help out the poor girl in disguise.

She cried in pain and in grief,
Someone will surely support was her belief,
She then realised that there was no other option but
to face the death,
She thought of nothing else but leaving her breath.

In such agony it was the moment of sore,
And after some time her voice was heard no more.

Krunal Mehta

A Lesson Learnt

It was mid November. The sharmas had just shifted from their hometown, Allahabad to Bombay, Mr. Harish Sharma, Bittoo's father, had been promoted in his job. SO, this small happy go – lucky family were temporarily staying at a relatives flat, which was near to Harish office.

“Oh Bittoo. You was here! Come fast, Beta. We're getting late, said Indu, Bittoo's mother. The family was going for sight-seeing as it was the first day. Bittoo was totally marveled by the glitter this city how was filed with. The amazing sights the Arabian sea left him awestruck.

It was the first of Bittoo's meri school As Bittoo lived in Allahabad, his English accent wasn't that strong and he could barely pronounce the words correctly.

“Good Morning, Students! This is Bittoo, your new classmate I hope you be friend him soon and help him out in studies said Mrs Nair, Bittoo's class teacher.

Bittoo was really excited to know his classmates. It was a new year a new place and a new him. He quickly darted towards the second bench and Sat besides Satish.

“Hi! I, Bittoo sharma. I from Allahabad, came 2 day, went”, Bittoo said in he broken English. Satish started laughing uncontrollably. Others too joined him. Bittoo frowned. He couldn't understand why his classmates did that.

Over a week, Bittoo started realizing that Bombay was completely in contrast with Allahabad. People here, rated money above anything – even humanity. Bittoo was an innocent, bubbly little child. But he hadn't warn that smile since he had shifted here. He had no frinends. Everyone in his class was mean. The boy who owned the most expensive video game or cell phone was everyone friend. There were no genuine relations. But now, Bittoo was fed up. He wanted to be loved, respected & admired by his batchmates.

“Mom, Dad! I want a new phone. In a week itself! All my school friends have the best gadgets. I am just asking for a phone. Wat's the big deal? Shouted an infuriated Bittoo.

“Beta you are just a 6th Grade Student. Why do you need a phone? And Bittoo your father's income is also not so high that we can afford such expensive things”, said Indu trying to convince Bittoo.

But Bittoo was very determined. He went to sleep with an empty stomach that night. He did not talk to Harish and Indu for 2 days. Having no other option, Harish got a new Smartphone for Bittoo.

“Wow this is so damn awesome. I wanted this so desperately, Yayyy”.

Bittoo didn't even thank his paent's for this surprise gift.

Harish wanted Bittoo to be happy. So without giving a second thought, he fulfilled his demand. But as the Saying goes spare the red and spoil the child, Bittoo's satisfaction level way still not high. His demands rose each new day. He had been spoilt to high because by his new so-called friends.

“Dad, Please! Just one video-game. All my friends posses it,” Bittoo pleaded.

'Bittoo, its just one month and you already have got 2 video-games, a smartphones and bundles of clothes, what more? We don't even have our our home. I and your mom are working day and night to buy a new dol and all you can see is your unending wishes? Asked Harish letting and all his frustration.

Bittoo's eyes filled with tears in no time. These werent't the tears of guilt. They were the tears of anger. He was angry because his father wasn't'a millionaire like his friends fathers. He was a middle class man with rich dreams.

The attention which Bittoo had been receiving since a month due to his new gadgets and expensive items had drastically reduced. Everyone in the class ignored him. Except Shivam. Shivam was a very sincere, sweet boy. But belonging to a poor family and not having new rich things. He was alienated. Shivam was very helpful and was by Bittoo's side whenever he was sad.

But, Bittoo didn't admire Shivam at all. He took him for granted. All he wished for was attention.

“Haha look at that idiot. He tried to be like us he faked his identity. Listen! Bittoo Shittoo, whoever you are, you can't be a part of us and will never be. If you want to prove that we are wrong, get the new Panasonic S2 Video-game in a week. If you fail to get it, we would never let you enter, our basketball team, said Satish, the basketball captain.

Bittoo was an amazing basketball player. But Satish did not select him. Bittoo was very unhappy.

He went to the terrace & began crying just Shivam came there.

“Bittoo it's okay. They are like that only learn them. let go and have Vadapav,” said Shivam trying to cheer him.

“Huh, you go and have that alone. Just go from here! Bittoo shouted.

Shivam felt really bad about Bittoo behavior towards him. But he quietly left.

Bittoo wanted to be in the team-by hook or crook. So he had planned something. Something which no-one had ever imagined.

Two days later, he got selected in the team. “Hey, Satish, watch this, the very same video-game which you demanded Happy?”

Satish was shocked. But he had given an word to Bittoo. So, reluctantly, he selected him in the team. “Harish! Where is the money?”, shouted Indu.

“Indu, it was here only- The keys of the cupboard were with me. How can the money disappear?”

A sum of Rs. 20,000 was missing. It was evident that Bittoo had stolen it. But his parents trusted him way, too much. So they didn't ever suspect him. They searched everywhere and tried all possible ways. They didn't find even a clue.

One fine day, almost 2 weeks after this incident, when Indu was arranging books in Bittoo's School bag, she saw something which left her stunned. It was the bill of the new video-game which Bittoo had purchased secretly. It was worth Rs. 25,000.

She came to know that the 5000 Rs. That she had given Bittoo for his Drawing tuition was used in this vile action.

Bittoo. Do you not realize what you're doing? Asked Indu.

Bittoo just gazed at the ground. He was ashamed, guilty and sad. His parents who wanted to go to any extent just to see him happy had been betrayed by him.

Bittoo told then the entire story.

“Mom, Dad-I'm sorry. In the admiration of my classmates, I forgot my real self – I forgot to be a good son, trying to be a good friend. Now, I have realized how bad they are. I promise, I won't do this again and I'll try my best to make you both proud- have you”, Bittoo said with tears in his eyes.

Indu just affectionately, hugged her little angel. Bittoo had received a good lesson. He understood that being a wealthy, but, bad feeling.

He became best friends with Shivam thereafter and a new and a better decision of himself.

TURNING point of My Life

In memory of the worst dog ever. P.S. I Love YO although most people think that 19 years is not that long for someone to have lived. But you never know when the time changes and makes destiny play its rose.

Very often A Dog comes into your Life and changes everything

While thinking of this topic it transports me to a vivid scene back in my life. It was a December night and I very well remember who critical my cold has become. My parents had to take me to the near by clinic which is hardly 2 mins walk from my house. After having all those injections in a cold night I started walking towards my house. Little did I know that one of my life's blessings going to hit me hard in form of a little pup.

He started following me and continued till I reached my building. I thought he was hungry so I took him home and fed with a few chapatis but no! He did not want to eat. I was confused and did not know what he wants and then I got the answer.

“He wanted Me” after tasting each and everything he followed me to my bedroom and jumped in my bed inside my blanket, as I already told 'December Nights’.

I wake up next morning but he was still sleeping, I got ready for my school and after waiting for long non-ending 6 hours wait I reached home and he jumped over me as I reached home.

I got fresh played with him and studying while he sits on my laps keeping a watch over me. His eyes had something more beautiful than the stars above. It was Love, pure & true. My Mom always had a complaint of me being lazy, too much moody. But now I had to take care of my lil pup he was my responsibility. I taught him to rush to the washroom as he feels that nature is calling him. By now he also knew not to let me know if he is hungry without waking up everyone in neighbourhood. He was mischievous and too much naughty. Every time he wanted to eat he used to take me to kitchen.

By now I started understanding him well and I learned to take care of my lil pup. Giving him bath was another for because he never let me do it easily I had to run behind him every now and then.

The only place where he would want to sleep was in my bed right beside me in my blanket and sometimes cuddled to me!

Months passed and my lil pup with love in his eyes & snowwhite colored fur who I met on our street on a cold night was a family to me.

He always jumped over me licked my face & cuddled till I smile. Just for a smile of mine he would make my home a circus. Somehow he always got to know that I am sad, upset or angry at something.

A lazy guy 24X7 in his book being a book worm was now a fur loving, responsible, caring and matured teenager. He changed me a lot. He brought happiness to my life which my books never could neither my At results. He taught me to be calm and patience.

He was the one who made me understand that life was not just to give with despair but with some space for my ownself too. If journey from lazy to energetic, lethargic to enthusiastic and boredom days to fun love.... and one fine day life happened while coming back from classes I planned to take him to a near my Dog Clinic but to my shock he was now to be found. He ran away.

Sameer N. Choudhary
SYBCom. E

Importance of Decision Making

Good decision not only changes the end result of a particular situation but also defines personality of an individual.

One cannot attain the skill of decision making by surfing through internet or referring any books. It is an in-built quality. It is just that we need to be confident enough. A decision made with confidence assures others that the decision we have made is an appropriate one.

A decision is not to be taken by consulting an elder person or a friend or another person. It is to be made by an individual. There is no such school which teaches you how to take a right decision without wasting time.

There is a case where mother was trapped on a tree in the Tsunami. She had climbed up the tree with her four – year old and eight – year old children. She was trapped there for several hours. As she was losing her strength, she had to decide, whether to fall off herself in the water or to leave one of her child.

Painstaking, she left the elder child thinking if he died, there would be no one to look after her other child. The quote, “the hardest thing in the is the to decide which, bridge to cross and which bridge to burn,” suits the best here.

It is not hard to make decision when you know what your values are.

During a game, a leader has to decide the tactics in order to win the game. He must know the qualities of his team mates in order to make an appropriate decision. A wrong decision can make them lose of the game.

Decision – making is the border between profit and loss for an business man. Whenever you see a successful business someone has once made a courageous decision.

To run an institute or a school a Principal's decision plays an important role. A right decision taken by the Principal benefits not only the students, but also the teachers. Parents decisions play the most important role in child's overall development. Parents must consider the child's opinion before deciding what is good or bad for their child.

In a student's life, a decision made regarding their studies, time, play or regarding their career can either make or break their life. The greatest thing about fact-based decisions, are that they over rule the hierarchy. Never plant your dreams in field of indecision, where nothing grows ever.

Abhilasha Panchal
TYB.Com., G Division

**"Life is a difficult game.
You can win it only
by retaining your birthright to be a person."**

- Dr. A. P. J. Abdul Kalam



'Silence of the Lambs.'

There was an old couple who lived just down the road in a house which was nothing but a kind of small den. The lady whom everyone referred to as a crazy woman because she would scream even if a tiny ball came near her house. The man who was usually dressed in nothing but a piece of cloth around his waist would sit outside, on the rocky seat with always a smile on his face. I used to be really scared of them and would avoid any sort of eye contact. The only thing I cared about them was how the course with a broken door, no windows, no rooms locked from inside, later, what made him curious was why did this old man always had that smile inspite of being yelled by his wife, living such a miserable life even though he had children, getting to hear there hateful words from people around. There was a part of me that thought he was crazy like his wife and there was this part which felt like knowing and helping them. After few months, I couldn't hear the constant shoutings of his wife instead I heard the siren. She was dead, Next day he was there sitting on the same spot as usual, wearing the same cloth, the only thing that was missing was that smile. The whole thing hit me so hard. The man probably never expected to have a normal house, he never expected his children to help them. He never had to worry about what he would do tomorrow. The only thing he ever expected was companionship. He longed off with someone who could over shadow his silence. He wanted to be with someone who could pull him back from the lovely quiet zone, he had within him. Late that evening he was shouting because he couldn't lift a ... this wife took away the loneliness with in him and left a besolted, noisy, messed up person behind. Never ease to fine like he did, always smile line he did because we spend a lot of time in searching for someone or something where inner frequency would match ours ending in a soul full song.

Nainam Joshi
F.Y.Bsc. E

MAGAZINE PAPIYA

A quite and a peaceful man come to our house. Being comfortable he sat on our coach. Braziest man had I ever seen before on this earth. Dark and tall never seen to be numb. Evolution was his favourite topic he spoke on and on. Feelings eager to ask him I controlled myself. Giggling, smiling and then laughing and like lost somewhere in his dreams. Husting and busting my sister sat down next to the man. Innocent by his face but .. by his appearance. Joyful by me the man enquired to me " You mist be thinking that I am mad which I am not" in a harsh tone kiddish he bebareed my anger raised, just about to was its limits. Lingaring lortering here and there the man sat on the sofa Mother's patience was on the edge to burst out on me, suddenly the man spoken again "Is this room no12" Nauseating but with care I shouted and said " Who the hell are you to come here> As yiou a king of Mumbai opposing me the man again said who are you to talk to me like this "? Preventing myself from the man and with some care my sister stopped the man Questionazed by myself "Why did the man spoke to me like this. Royeal feeling of mystery on his face. Systematiocally my mother spoke to him and found that the man was drink. us we got a call our phone ranged, my sister picked up the telephone and a man spoke. Has a man come to your house? Understanding the caller was a terrorist we dumbbed the phone there. Variations im my sister's voice she had totally turned blank. Whispiring and mummering of sound took me towards it. Xylophone started to ring in our house. Yelling on tap of my voice I called my dad... come down down dad there's a man in our house. Zapping off the man out of our house we all sighted with relief.

Life - A Precious Gift

He suddenly wakes up in the middle of the night realizing his heart pounding at a faster pace, he could feel he was sweating unusually and could hear the tic-toc of the clock. He took a sip of water from the glass kept on the side table of his bed; went back to sleep. The following morning he thought about this for quite a few time before leaving for college but he could only recollect bit of it. “Must be a bad dream”, he thought.

He was a final year student of engineering, Madhav Shetty, as he was known to everybody. A tall boy with a spark in his eyes, good with academics and him classmates envied his mark sheets and achievements. Teachers had higher expectation from him. When it came to solving mind teasers he could do it within minutes! But something else sparked his interest; it was painting. Ever since he was a child he had immense passion for painting. His paintings spoke off his moods; be it anger, love or hope. His best friend Emma Jones shared same interest as his and could easily interpret or understand Madhav's painting.

Few days passed, the night of 17th of April brought that same uneasy feeling he had experienced a few weeks ago. The consequent morning brought a feeling of Déjà vu to him, only this time he couldn't stop thinking about his dream. He could recollect floating heads with staring eyes saying him something not sure what it was. After giving all this a thought he realized it was his final paper today. Madhav was quite confident about the paper.

“Finally, I'll be able to paint without feeling any pressure of studies”, he exclaimed in joy.

Days passed and Madav enjoyed painting. He would paint each day along with his favourite person Emma. As the result day neared Madhav could hear his parents; both graduates from South Wales University, boast about his result already, he hated it. His parents always pressurised him in academics thought he was as sharp as both his parents were. They never really understood that his passion was in painting. It was a torture for him to pursue engineering, but what options did he have? Results were out he knew he performed well but still could feel the pressure of expectations from his parents who were proud of their son studying engineering, his teachers, and also his friends.

Madhav Shetty – final year student – failed.

He was shocked, “How could this possibly happen”, Must be some mistake”, he thought. Ashamed to face anyone he returned home in dismay, took a fresh canvas; painted on it, sat on his desk for some time....

Meanwhile Emma rushed excitedly towards his home.

(Knock Knock)”Hey Maddy, I'm coming in”, Emma said joyously. As soon as he entered she found a body stragled by a rope hanging from the ceiling! he was shocked, she found Maddy's canvas and a note on his desk which read – “I QUIT”. Emma saw his painting, and suddenly things became clear; it was a body behind which were floating heads with staring eyes.

So, why exactly do people end their lives? Is it because they are weak or fragile or are they too afraid to accept reality? Is escape the only solution to such problem? Madhav could be anyone; me, you anyone! Was it because of the pressure from family, society or friends? Or was it simply an act of cowardness? Later it was found out that there was some printing mistake and Madhav Shetty passed with a A grade! All felt sorry for him including his parents. But wasn't it too late for them to realise it now? Had his parents understood his passion he wouldn't have dead, but this is no way one should end its life because we cannot pursue wht we desire. The truth is, giving up can never solve the matter. Life is too precious to be wasted. Our ancestors fought everyday for their survival, where is the fighting spirit gone? We just have to believe in ourselves no matter what we do and the rest will follow.

RELIGIONS IN THE WORLD : A VIEW

Sometimes we take pride to be Indians, sometimes we are not. But it is clear that we always feel proud, when we talk about our incredible national harmony, national integrity, national history.

There're many who says that there are many problem's in India, but people thoush live here with sublime goodwill. It is are that traces your national divinity.

Today's most deadly problem is of terrorism. 'Terrorism, what does it mean? A word that shours behaviour of 'human beings'. Only one person, armed with machine guns and bombs, destroy's property and doesn't stop, but even kills so many persons. We have seen it before. These people attack religious places, social gatherings and even a school. Those who does not have a simple thing, which god have given to us all. They don't have heart. If they had been given it, they might not have attacked a school in Peshawar, killing children, who don't even know the meanings of those words.

ISIS, have you heard anything about it. A deadly terrorist's group named 'Islami state in Iraz and Syria'. This group has already killed thousands of souls, including those women and children. Some people say that, it is their 'Jihad', means a religious war, crusade. But I ask, with whom or against whom are they fighting it.? As they are killing their own religion brothers, it doesn't seem like that they are fighting their Jihad. This group is killing people, who belongs to a stream of Islam, which were their rival's in ethical values.

We can't blame only to muslims. We have seen a horrific mission to kill or (and) to arrest Palestinians, which was lauched by a neighbor.

There is no country, existing without criminal giant, without exception?. But what about India?. No, I don't mean that our country excepts?, it, but that our country promotes a great motto to eradict terror from the world, not by the way America does, but by teaching the world to maintain peace. Our nation is one of the largest democracies in the world, thought it is much more peaceful than the other's.

For this reason, Christian found their home in South India. They came here hundreds of years ago, without the support of armies. Those Christian missionaries even now live here and do their religious work. Not only they but the Muslims also practice their religion here throughout India, from hundreds years.

Jews found their stable home here in central Mumbai. Jews also practice their faith here. Buddhist live here. Their religion founder himself was a Hindu. And after founding the Buddhism, he turned a Buddhist.

But we should not forget that before some decades, our country had faced a massive communal conflict, between Hindus and Muslims. Why should we make our world terrible, a living hell?.

Where should we find a way? Of course in ourselves. See new-born children of any religion. Do they have any discrimination. No so why do we differentiate them by religion?

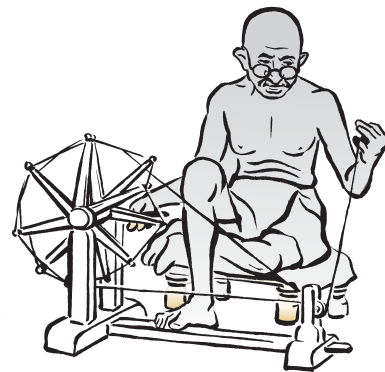
It looks like a ray of hope in complete darkness, that Bombay High Court has announced that a person can declare himself of No-religion. A follower of himself of No-Religion. A follower of no faith. That is the first step towards our non-religionship. Our modernness. Our growing divinity, isn't it? So be no conservative. Be free. Be happy and let others also be like that.

Gaurav Sunil Gotmare
A, 1071

M. K. Gandhi :

A tribute to the Mahatma

I don't like to begin my article that way. But I can't help asking questions and speaking ridiculous. Everyone knows, where Mahatma Gandhi born, what was his part in our freedom fight, and so on. But many people don't know his personality very well, which we must to.



Once my little brother was writing some thing. I looked on, what he was writing. To my surprise, there wer few words about 'M. K. Gandhi', that Gandhi was a wise, but he din't show his wisdom. How did my brother get his king of thinking.' The answer is quit simple. Mahatms' work has reached him, even thought he is of 14 years. But everone wants liberty. It doesn't matter, how old you are. You would be always desperate to have libery, to have freedom. To have your own ways.

As many pesons have asserted that Gandhi was a disciplined and adamant person. He was quite different form all other freedom fighters, because of his non-violent nature. He always shoed his aggressiveness by 'Satyagraha', his only weapon passive political resistance. This speciality of his, made him amodel for many well-known personalities such as Mr. Mandela, Mr. Martin Leuether king of USA.

Mohandas K. Gandhi took active and leading part in our national struggle for freedom. He sacrificed his all life to his beloved nation, which resulted as he gained title of Mahatma as well as 'Rashtrapita' tha is father of the Nation, by his own people.

Starting his long journey he firstly solved the problem of Champaranya's farmers. He was many times elected president to the 'National Congress'. All the members were always under a word of Gandhiji. But one those of Bapu's. He was Pt. Jaarharlal Nehru, who was younger activist of the struggle. Nehru's mindset was sometimes extremist. Jawaharlal used to think that Mahatram's way is quite different from his. But Mahatma once wrote about Nehru that "He says that he (Nehru) cannot understand my language. He also sya sthat I cannto understand him, but I know when I will go, he will speak my language."

This were his thoughts. His believers didn't et ruined, Pt. Nehru acted as similar to Gandhi after the great soul had departed. Truth and good will wer the unigueness of his nature. He was highly educated, having a degree of 'Barister'. But he didn't show his advocacy any more. So that my borthor dad written that 'he was wise, but he didn't show his wisdom.'

M. K. Gandhi was many times arrested, but always got realeased after his contrymen's wail against that. Salt Satyagraha, Round-Table conference, Yeravada Satyagraha are some highlights of his life.

After getting independence form Britisher's, our nation was parted into two parts.

This led us to communal violence all over India. This communal killings wer more in numbers in Noakhali, West Bengol, so that Gandhi went to the area, to decrease the effect of partition. He got success in his efforts. The communal killings were decreased and even stopped in that area.

After that weh the whole nation was stable and Nehru was in the highest office of PM. He was feeling, some rest after the all days of struggle and demonstrations over the country.

Indidently, Gandhiji called Indira Gandhi one day before his assasination. When India Gandhi got ready to meet Mahatma, her gardener gave some flower sand requested her to tie them in her hair's but Indira didn't oblige.

When she reached Gandhi's resident in Delhi, The 'Birla House', he was taking meal in the garden. Indira presented those flowers to Gandhi. Affectionately Bapu put them in Rajiv's hands.

Rajiv stared playing with flowers. Sometimes he put flowers on Bapu's feet and sometimes on Bapu's hand.

Seeing Raji's activities Gandhiji twisted his ears and said, "Don't put the flowers on feet. It isn't a good amen to put flowers on the feet of a living person".

At that time, no one would have thought that on the very next day, Bapu will be assassinated.

Next day Gandhiji was shot dead by Nathuram Godse. News of his assassination spread all over the world, like wild fire.

This was the end of the era. A era which changed the world forever. A great soul had parted with this 'Mrutu loka' forever. He wasn't going to return. He had said his last words to his god. 'Hey ram, hey ram.' The Ram would always be with him. Let his soul rest in the peace of heaven. Let him get blessed by the god.

Gaurav Sunil Gotmare
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Detective MR. Alex

Around the world Mr. Alex went with his friends. But he forgot to carry this wallet. Cool-minded Alex didn't even tried to cross-check his items before he left. Dressed like a detective Mr. Alex appeared to be serious, well-educated person.

Early, in the morning Mr. Alex and his friends left the shore. Filled with eagerness and curiosity Mr. Alex peered the rising sun. Glorious shine of sun made his heart more receptive and brought a smile on his face. He found a crooked man on cargo, hiding behind the drums. "Is that you, Dr. John?" Mr. Alex questioned to the person, hidden behind the drums, "Just be there!" he shouted.

"Kindly, leave me," pleaded that crooked man. "Listen, you; what are you doing here?" exclaimed Mr. Alex. Madly dressed crooked man was unable to speak as he had wound on his leg. Nurse Jennifer was called immediately who was assistant of Dr. John.

"Oh gracious! How deep is the wound!", Nurse Jennifer exclaimed, "Please, do not move your legs, I would call Dr. John immediately," said nurse Jennifer.

Questioning every person Mr. Alex got an evidence who saw the whole condition, Recently, there was a party in the cargo last night, as a result plenty of oil was spilled downstairs.

So, the old crooked man got injury in his leg as he fall downstairs. Thus, there was a sight of relief in the mind of Mr. Alex.

Usually, Mr. Alex has the nature of suspicion. Venomous behaviour of Mr. Alex is at times harmful but it helps seldomly.

Watching the island shore Mr. Alex and his friends fell very happy.

X-ray of crooked man's leg was something unusual which he witnessed at Dr. John's clinic. "Yess!" Mr. Alex exclaimed he (the crooked man) is thief. "Zeus, my Lord! How foolish I am. I had never imagined that an old crooked man even can steal my wallet."

Yadav Saurabh 'S'
F.Y.J.C. (F) / 6088

India's Foreign Relations : A Summary

I would like myself telling you something about our great nations relations with its neighbours.

How many of us do know how our country has been acting in the world politics, very few a poor number, indeed.

I'll begin from, where our motherland got her carte blanche. A period in which we weren't affected by any other country's obligations or supremacy.

Do you know, whose foreign policy did all the countries adopt, Yes, our own Indian Policy. 'Pancha-Sheel' principles The five protocols, announced by Mr. Jawaharlal M. Nehru, the first Indian Prime Minister.

This only policy is known for being in most foreign policies ever made, thereafter.

India has been very friendly towards most countries. Russia, USA, GB, Germany, Australia, and so on. Relations with Russia were tied up very earlier. In the time of Raj, Indian princes Gwalior, Baroda, Indore and several others, nurtured foreign bonds with the world, which resulted in the support shown by most nations to make India, a independent nation.

India had been a founder member of United Nations from 1950s, India has been representing Asia in the UN.

A petition is submitted to the UN, by many countries, proposing India to be made a permanent member of UN'S Security Council. Vijaya Pandit, Indira Gandhi, Narendra Modi, Sujata Singh, everyone had obtained a hats-off.

Beside this, India also had played some major roles in some of the most critical situations faced by the world. Do you know, there would have been a third world war, if India and UN hadn't interfered. Yes, a third world war.

In 1960s, Korean nation got divided into two parts. One of which was North Korea and the other was South Korea. USSR had an influence over North Korea and USA had over South.

In the worse of worst, a war began in these nations. To make the situation even more hotter. USSR and USA supplied them the weapons.

This could've triggered the third world war, if UNs hadn't intervened. Jawaharlal Nehru, Indian Prime Minister, caused UN to get involved in the war to stop it, forecasting the ill-effects and framing a biggest peace army ever made.

Not only this, but also many organizations such as BRICS, SAARC present the effectiveness and prominence of Indian Foreign Policy.

Right now, Government of India is running about 196 embassies, high commissions and consulates all over the world. This is to take pride on, isn't it? Doesn't it make you feel proud about your nation. It should.

Sunil Gotmare
FYJC A

Happiness of Achievement

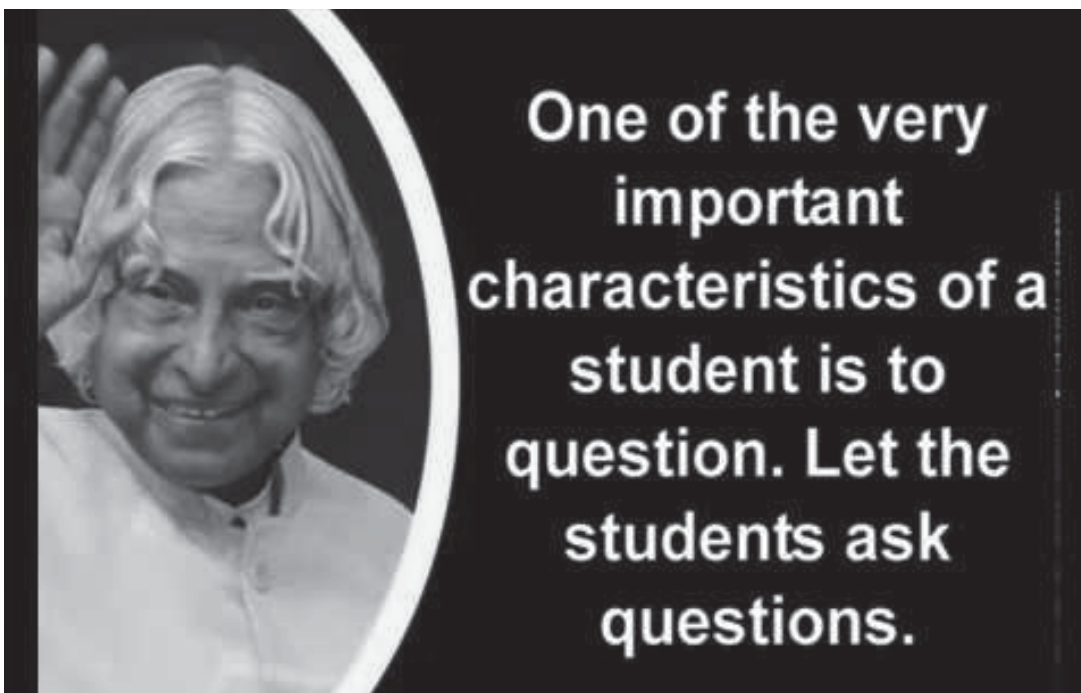
The year 2015 began with an excitement of new journey in the lives of Shivam, Saurabh, Roshan and Anushka. All the four of them were about to start their secondary education. They were excellent in studies as well as in social life but one thing always ruined their lives i.e. 'Laziness'. Whatever the situation be, they always tried to avoid doing work. Thus, they were unaware of the importance of Hardwork.

One fine day, Shivam was going to buy some groceries. On the way, he came across a boy, who was searching plastic wrappers or plastic articles in the bin. He requested the boy, "That's all waste over there?. What are you searching for?" The boy responded, "I am searching for plastic, which is to be sent for recycling purpose." With curiosity Shivam asked him again, "Don't you go to school rather than doing such stuff?" The boy's reply made Shivam quality?. He said, "I go to school. Infact, I study in the same school in which you belong. I watch you daily, I got admission in this school on scholarship basis. Due to the poor financial condition of my family, I have no other option but to work like this!!" Having heard this, without saying a word Shivam hugged him.

The next day, Shivam introduced this new guy to his friends. He introduced himself as Roshan. All greeted each other. Slowly and gradually, they become close friends. Roshan used to have his recess time, with them. He came to know their drawback of laziness. He made it a point to help them to overcome their laziness. One day, he asked them to visit his house. They were surprised to find out that Rohan used to stay in a very poor area. Rohan was waiting for his friends in the backyard. There, in the backyard, Rohan placed some construction equipments such as Bricks etc. he asked them to build a small hut so that they all can sit comfortably. All were shocked. As there was no other option, they started picking up bricks. Saurabh was very fond of gardening. So he picked up the gardening tools and was set to plant. Anushka helped the boys by delivering the equipments Rohan and Roshan started mixing cement. In this way, all started working. They worked for almost 4 hours, and finally a small cement hut was prepared. They all were very happy on their work. This made them realise that as long as we don't work, we can't achieve our needs.

From this incident, Rohan made them understand the true meaning of "No Pain, No Gain".

Anuja Aniruddha, Sawant Birje
FYJC, Div G



A trip to Remember

“Ok! This is going to be real fun, right?” Sunita asked her husband Mr. Mukesh Rai.

“Right Sunita! I have planned a picnic for you all, such that, you will remember it for the rest of your lives!!”, replied MR. Mukesh.

The scenario going on was that the Rai Family had been preparing for a sweet little family trip for a long time now. Last year, their trip to Poona had been cancelled due to heavy rains and monsoon during the month of February. But now that they had found a chance to relieve From the heat of life, they were going to clasp it.

So Mr. Mukesh, his wife Sunita, his son Vishal and his loyal servant near were going on a short trip to Vajreshwari. They were all going to visit the holy hot water springs and the temples attached to them. Later, they would book a room in a resort and spend the night there. After a full day of mirth, they would come back home, at Powai.

Now, they had to board his private car they had booked for the ... of them. Never had been given the responsibility of all the luggages, but Vishal had insisted on carrying tiny bags in trolley they had bagged at a ... shop. Sunita had a bag full of snacks & Mr. Mukesh himself, carried a tea flask and a camera to take some memorable pictures.

Suddenly, a honk started all of them as they stood waiting on the footpath. This was their van Mh 07 8496. The driver brought the van up to there, covered the passenger window and sneered at them, his gaze instantly facing Sunita's body. Mr. Mukesh let it pass. It wouldn't hurt to handle him for a while right? SO he made near sit on the passenger seat while Sunita and Vishal took the back seats along with him.

Where the bags will all in the storage deck, the driver, who called himself 'Raja' revved the engine and they all whooped. The ride was ... breezy. Everyone had an expression of bliss on their face. Everyone except Raja, who had adjusted the rearview mirror to focus on Sunita's face, he kept looking there, sneering to himself. Sunita had even looked up to see him in the rearview mirror, but had then quickly turned her face away, on the whizzing surroundings.

They reached their destination – 'Vajreshwari hot springs' after about five houses. So, at a sizzling time of three, they were finally going to dip themselves in warm mineral water. Mr. Mukesh let the luggage stay in the car and escorted the three of them to the court which was flanked by hot water springs in cubical grounds all over the place, and there were changing rooms too! From the same court, one could see the famous Vishal Mandir just across the road.

So, there they went. Mr. Mukesh, Sunita and Vishal all headed to take a dip and near was to take their pictures. The smell of Sulphur and the therapeutic warmth of the water all soothed the tension out of them all. And when their bath was over, they decided to take a darshan of surrounding temples, but while they were soaking wet. They joined along with them and was basking in glory of being able to view Sunita's wet body.

After the Darshan, they all changed into fresh clothes and bounded the van yet again to head to 'Milini Royal Resort', just about ten kilometers from Vajreshwari. When they had reached the resort, booked a room and had settled into it, they decided to watch a movie.

After they had had dinner and the movie was over, they all began to retire to bed. Neeraj declared that he was going to watch guard over all of them and so they all kept.

But after around two hours, Mr Mukesh woke up to the sound of suffocating cries. When he opened his eyes, he received the shock of his life! There she stood, Sunita, in all her glory, holding a huge knife. She had somehow managed to kill Neema and he lay in a bloody ... on the floor beside the bed. His son Vishal was bloody and dead too, and it ... Mr. Mukesh's heart to look at his body.

"All my life, I served you! But now, line about to wake a change to that", screamed Sunita. She included towards him slowly, angling the knife to precision. But suddenly the door behind her opened with a bang and in came Raja, along with all security and the desk, their mouths all ... All of them disarmed Sunita of the knife and Mr. Mukesh was saved.

But Sunita was put in jail for the murder of her son & her servant. Her frustration with life had taken the better of her. But because of this, Mr. Mukesh was now broken and family-less, his son dead, and his wife – a widow. This was indeed a trip to remember.

Shreya M Nair
FYJC, D, Roll No. 4108

Die on feet instead of living on knees

I hate terrorism but
I don't hate Muslims
These two are different things
People should understand that

Stars can't shine
Without darkness

The Truth is, everyone is going to hurt you
You just got to find the ones worth suffering for

The question is not that how big the house is
The question is about how happy the home is

Except nothing and accepting everything
This is how you be always happy.

Win! Not immediately
But definitely
The best revenge is
"Self improvement"
Trust but don't be naïve
Don't pray for a easy life
Pray to endure a harder ones.

You can buy the game of wisdom, called chess
But can't buy the power to play it. Called wisdom.

Act with brain if you want to rule people
But act with heart if you want their hearts.

Don't be disappointed by falling down,
It becomes a reason for you to get up.

Akshaya S. Salaskar,
FYJC. B

terrorism
Stop

FRIENDS FOREVER..

Make new friends,
But keep the old.
One is silver,
& other is gold.
A circle is round
It has no end.
That's how long
I will be your friend.
Across the land
Across the sea
FRIENDS FOREVER
we'll always be...
Suraiya.I.shaikh
Tybms

SMILE

When oppressed or depressed,
When deeply distressed
Under a mountain of worry,
Just smile,
When you have promise to keep.
Miles to go before you sleep
Just stop for a while & smile,
When tragedy strikes with its might, & dearest
ones depart.
Have a good cry for a while,
Then smile,
When wrongly criticized,
Ridiculed or slandered.
Don't be shy & bitter but smile,
It's a magic cure my friend,
To keep your mind safe
Hi...ha...ha...



RIDDLE ME???

I never saw, am always to be.
No one ever saw me, nor ever will.
And yet I am the confidence of all,
To live and breathe on this terrestrial ball.
What am I?
Answer - TOMORROW or the FUTURE
At night they come without being fetched.
By the day they are lost without being stolen.
What are they?

Answer – THE STARS

The more you have of it, the less you see.
What is it?

Answer – DARKNESS

I am always hungry,
I must always be fed,
The finger I touch,
Will soon turn red.

Answer – FIRE

What always runs but never walks,
Often murmurs,
Never talks,
Has a bed but never sleeps,
Has a mouth but never eat?

Answer – River

White as snow, black as the coal,
She talks and has no feet;
She speaks has no mouth?

Answer- LETTER

What live without body,
Speaks without tongue
Everyone can hear it,
Yet no one see it?

Answer – AN ECHO

Two father & two sons go to a restaurant,
Eat one pizza each. On leaving they pay
For 3 pizzas and the waiter is satisfied.
How come?

Answer – BECAUSE THEY WERE ONLY 3 i.e.
GRANDPA, FATHER & SON

You can carry it everywhere you go, and it does
not get heavy. What am I? Answer - YOUR
NAME

- Compiled by

Mokshida Furia - SYBMS

FOR YOUR EYES ONLY –

“A MESSAGE”

This is a story, which depicts the general psychology of people; how their way of thinking; way of looking at the world changes when their status changes.

'Once there was a blind girl who lost her both parents and her eyesight in an accident at the age of ten. She was very pretty, but she hated herself as she was blind. She had no one in her life except a boy older than her who loved her more than he loved himself. Still she hated everyone, except him and cursed herself and the LORD for making her blind. In spite of that boy was always there with her and took utmost care to bring her out of her trauma and helped her lead a happy life even in that situation.

He didn't care whether she was blind; it was her sweet heart that mattered the most for him. He always asked her to marry him. But every time she had only one thing to say, ***“I would only marry you when I get to see the world again.”***

After some months someone donated her eyes and the day came when she could finally see a beautiful world including that boy. When she saw for the first time she was shocked to see that he too was blind. Feeling superior, as she now had eyes, she refused to marry him. He went away with tears in his eyes.

After some days she received a letter. It was from the same boy. Although frustrated, she read it and realised the biggest mistake she had ever made and started crying!"

Why?

The letter read:

“PLEASE! DO TAKE CARE OF MY EYES.”

- Compiled by

Mokshida Furia - SYBMS

Is technology making Us abnormal???

“Need to give a thought”

The above question has been pouring in from scientific studies across the world. Their main concern? That multitasking between emails, facebook, twitter, TVs, mobiles, whatsapp, BBM, tablets and gaming consoles have made us perpetually distracted and a scatter-brained race. Not only is the new era of technology making us less creative and more muddled, it has brought about a permanent change in the way our brain maps information and retains it. Which parts are used and even the size of the brain is going through metamorphosis. Very scary, right? Wait, there's more.

The first news of this came when a series of articles and a book, 'THE SHALLOWS' by Nicholas Carr. His argument was that ever since the advent of internet, we the human race, are becoming more abnormal. His book portrays how the internet is changing the way we think, read and remember and made some compelling points. The central point being that the technology we use, changes our brains.

Carr's theory found many followers. A huge number of them agreed and said the way they were thinking, reading, absorbing and learning was becoming disjointed! Every part of knowledge assimilated was not absorbed into the brains but kept at an arm's distance, on a computer.

Studies showed that people who were given a computer to solve a problem could not retain the problem-solving skills they had used a week earlier, while the same skill used, without a computer, were recalled by user even after 6 months. Another study revealed that students using computer started getting lower grades. In fact, if you Google this, you will get thousands of articles and studies that prove with precision, how technology is neurologically shaping us to become more stupid (abnormal) in the near future.

Technology isn't the villain here. Innovation and creativity wouldn't die a brutal death. The human brain today is very different from the time the man was a hunter – gatherer, but through the years, since civilization, it has stagnated. What is the use of your brain storing 40 mobile numbers? Whom does it help? Isn't your mobile phone directory with storage for 1000 numbers, e-mails, birthdates and notes about other people, a far better and more efficient system to record numbers and dates?

Your brain knows better ways to search and use all the data that you have stored inside. It's the same way with our new technique of 'skimming' information. Today we can scan a web page and make sense of 90% of the content within the first five seconds. Only if it's for what we are looking for do we remain on the page – otherwise we go onto the next one till we find the exact and precise contents that we are looking for.

Technology has always been painted as villains. There's a famous saying that “TECHNOLOGY ALWAYS COMES BEARING GREAT GIFTS WITH ONE HAND STABS YOU IN BACK WITH THE OTHER.” But technology and information highway is the greatest gift to mankind. Soon, in the near future, this will be proved. But if it doesn't happen, don't blame! After all, this column is written by someone who uses technology and internet 15 hours a day!! You can't blame somebody who is progressively becoming more abnormal every single day!!!!!!

१ मे २०१६

सर्वप्रथम महाराष्ट्र दिवसाच्या मंगलप्रसंगी आपण सर्वांना हार्दिक शुभेच्छा !! आज महाराष्ट्र राज्यात अनेक जिल्हे अवर्षणाने ग्रस्त आहेत. येत्या वर्षी विपुल वर्षा आणि राज्यात सुजलाम् सुफलाम् होईल अशी आशा मी व्यक्त करतो.

१ मे २०१६ रोजी महाराष्ट्र राज्याची स्थापना झाली. आजच्या प्रसंगी मागील ५६ वर्षांचा आढावा घेणे उचित ठरेल. राज्य स्थापनेच्या वेळी सर्वसाधारण बुद्धिजीवी वर्गाची स्वप्न व अपेक्षा काय होत्या? आणि त्या कितपत पूर्ण झाल्या हे आपण पाहू या.

मराठी भाषेची आणि मराठी संस्कृतीची जोपासना आणि विकास होईल ही पहिली अपेक्षा होती. राज्यातील सर्व स्तरावर प्रशासन कार्य मराठी भाषेत होत आहे ही एक समाधानाची बाब आहे. मात्र शुध्दलेखन आणि स्पष्ट उच्चार याकडे अधिक लक्ष देणे आवश्यक आहे. याबाबत प्रशिक्षण देण्यासाठी पावले शासनाने जरूर उचलावीत.

आज राज्यात सर्व स्तरामध्ये इंग्रजी माध्यमातून शिकण्याकडे कल दिसून येतो. मोफत शिक्षण देणाऱ्या शासकीय किंवा अनुदानित शाळा सोडून, शुल्क भरून खाजगी शाळेमध्ये मुलांना प्रवेश मिळविण्यासाठी प्रयत्न पालक वर्ग करतात. ही प्रवृत्ती आता ग्रामीण भागामध्ये देखील दिसून येते. नुकतेच नरेशवाडी जिल्हा पालघर येथे गेले असताना मला असे सांगण्यात आले की त्या जिल्ह्यात किनारपट्ट्यातील गावामध्ये मराठी शाळेत विद्यार्थ्यांची संख्या दिवसेंदिवस घटत आहे. अहमदनगर जिल्ह्यामध्ये देखील हिच परिस्थिती आहे. असे मला साकरवाडी येथे सांगण्यात आले. हे चित्र बदलण्यासाठी माझ्या मते शासकीय जिल्हा परिषद नगरपालिका अनुदानित शाळेमध्ये शिक्षणाचा दर्जा उंचाविण्यासाठी प्रयत्न करणे आवश्यक आहे. काही वर्षांपूर्वी श्री सुमीत मल्लिक अमरावती येथे विभागीय आयुक्त असताना प्रत्येक शाळेत प्रत्येक वर्गात मुलांची परीक्षा घेण्याची व्यवस्था केली. त्यासाठी एक सुलभ प्रश्नावली तयार करून महसूल, जिल्हा परिषद व इतर विभागांच्या अधिकाऱ्यांकरवी परीक्षा घेण्याचे आयोजन आयुक्ताने केले. तेव्हा असे दिसून आले की पाचव्या वर्गातील अनेक विद्यार्थ्यांना अक्षर ओळख नाही व एक ते शंभर मोजता येत नाही. शैक्षणिक क्षेत्रात उल्लेखनीय काम करणाऱ्या प्रथम या संस्थेकडून दर वर्षी घेतल्या जाणाऱ्या चाचणीमधून देखील हेच चित्र उभे राहते.

शिक्षण विभागातील सर्व स्तरावर अधिकारी दिवसभर प्रशासकीय कामात गुंतलेले असतात. त्यांना गुणवत्ता आणि शिक्षण याकडे लक्ष देण्यास फुरसत नाही. परीक्षाविना विद्यार्थी आठव्या वर्गापर्यंत उत्तीर्ण होतात. म्हणून शिकण्याची आवश्यकता विद्यार्थ्यांना आणि शिकविण्याची आवश्यकता शिक्षकांना वाटत नाही. राज्याच्या प्रगतीसाठी ही परिस्थिती बदलणे आवश्यक आहे. शिक्षण खात्याने अधिकाऱ्यांचे विकेंद्रीकरण करून शिक्षणाची गुणवत्ता वाढविण्याकडे खात्याच्या अधिकाऱ्यांनी अधिक लक्ष द्यावे असे मला वाटते, असे केल्यास मराठी माध्यमाच्या शाळेत प्रवेश घेण्याकडे कल वाढेल.

महाराष्ट्र राज्याला महान ऐतिहासिक वारसा लाभलेला आहे. याच्या जोपासनेकडे शासनाकडून अधिक लक्ष देणे जरूरीचे आहे. राज्यात संचालक पुरातत्व विभाग कला संचालक आणि भाषा संचालक ही पदे काही वर्षांपासून रिक्त आहेत. ऐतिहासिक किल्ले उदा. शिवनेरी, सिंधुदुर्ग, याची डागडुजी आणि संगोपनाकडे लक्ष देण्याची गरज आहे. येणाऱ्या पर्यटकांसाठी माहिती फलक, संग्रहालय आणि सोयीचा अभाव दिसून येतो. अनेक ठिकाणी ऐतिहासिक वास्तू, वारसा (Heritage) म्हणून उद्घोषित करण्याची आणि वारसा जतन समिती नेमण्याची आवश्यकता आहे.

राज्य स्थापनेच्या वेळी राज्य सुशिक्षित आणि समृद्ध बनेल असे स्वप्न होते. शिक्षण क्षेत्रात शाळा व तसेच उच्च शिक्षणाच्या विस्ताराच्या बाबतीत महाराष्ट्र देश अग्रेसर आहे. राज्याच्या कानाकोपऱ्यात शासकीय किंवा अनुदानित शाळा आहे. मात्र मागे उल्लेख केल्याप्रमाणे आता शिक्षणाचा दर्जा उंचविण्याकडे लक्ष केंद्रित करावे. त्यासोबत कौशल्य शिक्षणावर भर द्यावा. यामुळे बेकारी कमी होईल आणि उद्योगधंद्यांना चालना मिळेल.

गेल्या ५६ वर्षांमध्ये औद्योगिकीकरणाच्या बाबतीत आपल्या देशात महाराष्ट्र राज्य प्रथम क्रमांकावर आहे. मात्र आता इतर राज्ये, प्रामुख्याने गुजरात, तामिळनाडु, आंध्रप्रदेश आणि कर्नाटक अग्रस्थान मिळविण्यासाठी जोरदार प्रयत्न करीत आहेत. म्हणून राज्याला कोणत्याही उद्योजक किंवा व्यावसायिकास यांस सहजरित्या व सुलभतेने धंदा कसा करता येईल, ज्याला **Ease of Doing Business** असे म्हटले जाते, याकडे विशेष लक्ष देणे आवश्यक आहे.

राज्य स्थापनकर्त्यांनी समतेचे व सहिष्णुतेचे स्वप्न पाहिले. ही एक अभिमानाची बाब आहे की भागवत संप्रदायापासून पूज्य बाबासाहेब आंबेडकर पर्यंत महाराष्ट्राला समत्वाची आणि सहिष्णुतेची परंपरा लाभलेली आहे. हा वारसा संपूर्ण राष्ट्राला मार्गदर्शक ठरेल.

१९६० मध्ये मराठी माणसाची प्रतिमा अल्पसंतोषी आणि प्रामाणिक अशी होती. अलीकडच्या काळामध्ये राज्यात वाढता भ्रष्टाचार आणि गैरव्यवहार पाहता ही प्रतिमा बदलते काय अशी चिंता वाटू लागलेली आहे. माझ्या मते यावर एकच उपाय आहे. प्रत्येक व्यक्तीने प्रामाणिक आणि कर्तव्यनिष्ठ राहण्यासाठी हे स्वतः ठरवावे.

काही महिन्यांपूर्वी श्री राजेंद्र सिंह, भारताचे जलपुरुष विद्याविहार मध्ये आले असताना, महाराष्ट्रात आणि विशेषतः मराठवाड्यात अवर्षणाबाबत विचारण्यात आले. त्यावेळी मराठवाडा लालपट्टा बनलेला आहे. आणि त्यामुळे ढग असताना देखील वर्षा होत नाही. लालपट्टा हिरव्या पट्ट्यात रूपांतर करणे हाच अवर्षणाच्या समस्येवर उपाय आहे असे त्यांनी सुचविले. उघडया डोंगरावर व पडीक जमिनीवर वृक्ष लागवड करून, त्या वृक्षांची जोपासना केल्यास पावसाचे प्रमाण वाढेल. यासाठी आपण सर्वांनी जोमाने प्रयत्न करू या.

महाराष्ट्र राज्यास निसर्गाची देणगी विपुल प्रमाणात लाभलेली आहे. तसेच राज्याची परंपरा अतुलनीय आहे. राज्याचे भविष्य उज्ज्वल होऊ शकते. मात्र यासाठी आपण सर्वांना प्रामाणिकपणे झटावे लागेल. यात सोमैया विद्याविहार गेल्या ५७ वर्षांच्या कामगिरीच्या पाश्चिमातीवर, आपला खारीचा वाटा निश्चितपणे उचलेल असे मी सोमैया विद्याविहाराच्या वतीने आणि आपण सर्वांच्या वतीने हमी देतो.

आजच्या शुभप्रसंगी राज्याच्या विकासासाठी आणि राज्यातील सर्वसाधारण जनतेच्या कल्याणासाठी सर्वतोपरी प्रयत्न करण्याचा संकल्प आपण करू या. जय हिंद! जय महाराष्ट्र!

S. Ranganathan
Hon. Secretary Somaiya Trust

टेक्नॉलॉजी मेकिंग

कम्यूनिकेशन इझिअर.....!



बदल हा माणसाच्या जीवनात किती आवश्यक असतो. तो बदल चांगला वा वाईट असो. पण तो माणसांची जीवन शैली बदलण्यात यशस्वी ठरतो.

आजच्या युगामध्ये माणूस हा प्रगतीकडे पाऊल ठेवण्यात यशस्वी झाला आहे, असे म्हणावयास काही हरकत नाही. आजचे बदललेले जीवनमान हे प्रगतीकडे वाटचाल करण्यास पोषक आहे. आज मोबाइल, दूरदर्शन असे कितीतरी शोध माणसाच्या आयुष्याचा भाग बनला आहे. काही दिवसांपूर्वी आमच्या घरी या सर्व वैज्ञानिक शोधांबद्दल आणि नवनवीन यंत्रांविषयी चर्चा चालू होती. त्यात माझी आजी म्हणाली कि आमच्या काळात टेलिफोन किंवा मोबाइल यांसारखी कोणतीही संपर्क साधने नव्हती. एखादा संदेश किंवा वार्ता पोहचवण्यासाठी मैलोन मैल चालाव लागायच. पूर्वीच्या काळी दळणवळणाच्या सुविधा ही नव्हत्या. त्यामुळे लोकांना एकमेकांना भेटण्यासाठी किंवा एखादी वार्ता देण्यासाठी बैलगाडी किंवा पायी जाव लागत होते. यावरून मला हेच समजले कि नवनवीन शोधांमुळे आणि संपर्क साधनांमुळे माणसाचे जीवन अगदी सरळ आणि सोपे झाले आहे.

आजचे युग हे प्रगतीशील आहे. आज आपण एकमेकांशी टेलिफोनद्वारे किंवा इंटरनेटद्वारे संपर्क करू शकतो. दूरदर्शन सारख्या माध्यमातून जगातील घडामोडी पाहू शकतो. चंद्रावर पहिले पाऊल ठेवून आपण जणू प्रगतीकडे चाललेल्या वाटचालीचे पुरावेच देत आहोत. आज माणूस एका जागेवरून दुसऱ्या जागेवर जाण्यासाठी बऱ्याच माध्यमांचा वापर करतो. सायकल, मोटार, गाडी, रिक्शा, रेल्वे, विमान या सुविधा माणसांनी घडवून आणल्या फक्त स्वतःचे राहणीमान सुधारण्यासाठी नव्हे तर या संपर्क साधनांमुळे एकमेकांमधील दुरावा कमी करणे सोपे झाले आहे. म्हणतात ना गरज ही शोधाची जननी असते. ही म्हण माणसाला सर्व अर्थाने लागू होते.

पहायला गेले तर इंटरनेटमुळे हे विशाल जग अगदी छोटे बनलं आहे. जगाच्या कोणत्याही कोपऱ्यातील कोणत्याही व्यक्तीशी क्षणार्धात संपर्क साधता येतो. याचा सर्व क्षेत्रांचा अतोनात फायदा होत आहे. इंटरनेट वरील माहितीच्या महाखजिन्यातून कोणत्याही विषयावरील अत्यंत अदयावत माहिती मिळते. माणसे एकमेकांना पत्रे पाठवू शकतात, बोलू शकतात. नैसर्गिक आपत्ती व गुंतागुंतीचे आजारपण यांसारख्या महत्त्वपूर्ण बाबतीत मदत मागवता येते. वा पाठवता येते. त्यामुळे असंख्य लोकांची संकटातून मुक्तता होते. प्राणही वाचवता येतात.

या सगळ्यावरून आठवलं की मागील काही दिवसात झालेल्या चेन्नईतील मुसळधार पावसामुळे तेथील जनजीवन पूर्णपणे विस्कळित झाले होते पण लोकांमधील एकजुटीची भावना मात्र कायम आहे. मी कालच वर्तमानपत्रामध्ये वाचलं की अकोला या जिल्ह्यातील काही मुले सहली साठी चेन्नई येथे गेली होती. पण चेन्नईची परिस्थिती पाहता ते तेथून येणे मुश्किल होते पण नवनवीन शोध आणि सुधारित दळणवळणाची साधने यांमुळे ती मुले व्यवस्थित आणि सुखरूप रित्या आपल्या घरी पोहचली.

या सगळ्यावरून हेच समजते की आजचे युग हे यंत्र युग झाले आहे. नवनवीन शोधांमुळे माणसांचे जीवन सोपे झाले आहे. याचे सर्व श्रेय माणसाच्या बुद्धिला मिळते.

आई



आई किती छोटा शब्द आहे ना? पण शब्द जरी छोटा असला तरी प्रेमाचे गूढ यात लपलेले आहे. आ म्हणजे आत्मा, ई म्हणजे ईश्वर या दोन शब्दांचे मिलन यात आहे. खरे तर आई ही आईच असते. तिच्या प्रेमाची तुलना आपण करूच शकत नाही. आज पर्यंत मला हे प्रेमाचे गुपित समजलेच नाही जाणण्याचा तसा खूप प्रयत्न केला. पण माझी आई बोलते, की “तू अजून लहान आहे। तुला नंतर समजेल”.

आईच्या या वाक्याचा मी विचारच करत बसते.

पण जसे मला समजायला लागले. तेव्हापासून माझ्या दृष्टिकोनात आईची एक वेगळीच प्रभावशाली तेजस, प्रेमळ प्रतिमा तयार झाली. कोण म्हंटल ती रागावत नाही, रागावते वेळ आली की मारतेसुद्धा! पण एकाच हक्काच्या व्यक्तीवर ते म्हणजे तिच्या जीव तिच्या बाळावर! नऊ महिने नऊ दिवस पोटात एक जीव तिने वाढवलेला असतो. त्या दोन जीवांची एकजूट कधीच झालेली असते. जरा जरी तिच्यापासून दूर गेले, तरी आपण कुठे तरी हरवलो आहोत, माझ्या आईपासून मी दुरावला गेलो आहे या भावनेने तो चिमुकला जीव रडायला लागतो. जन्मल्यापासून ते मोठेहोईपर्यंत हयाचे एक वेगळेच विश्व तयार होते. एक अनुबंध तयार होतो. या सगळ्या काळात आईची ओढाताण तर होतेच.

कारण तिला एक आई, सुन, मुलगी, बायको या सगळ्या भूमिकांना सामोरे जावे लागते. त्या पार पाडताना जरा जरी चूक झाली की दोषांचे खापर तिच्यावर फुटते. सगळ्या यातना सहन करताना तिला त्रास देखील होतो, चिडचिड पण होते पण ती सगळे काही आपल्या हृदयामध्ये सामावून घेते. आपलीच माणसे, कुटुंब, आपलेच घर म्हणून चेहऱ्यावर स्मित हास्य करून विसरून जाते. ती काय नाही ते आपल्यासाठी करते, स्वतःचा काडीमात्रही विचार करत नाही. आजारपण आले तरी देखील ठणठणीत उभी असते, आपला रोजचा कार्यक्रम पार पाडतेच. ती निस्वार्थपणे आपल्या बाळाला माया देते, तिला लाभलेली मुले तिची काळजी घेणारी असतील तर मी तिचे भाग्यच समजेन नाहीतर आजच्या जगात काय दृश्य आपणास पाहावयास मिळते हे सांगायची गरज वाटत नाही. अगदी ती जन्मल्यापासून ते संसाराचा गाडा ओढेपर्यंत तिची ओढाताण होत असते.

मुलगी झाली की तिला दुसऱ्याच्या घरी जाणे, हे आपली संस्कृती सांगते. असे म्हटले जाते की “प्रत्येक यशस्वी पुरुषाच्या मागे स्त्री उभी असते” पण मला स्त्री ही त्याच्या पुढे उभी असलेली आवडेल! याचे उदाहरण माझी आईच आहे. खासकरून माझी आई हे माझ्यासाठी जगच आहे. ती आईपेक्षाही जास्त माझी खूप जवळची मैत्रीण आहे. सगळे काही चांगले, वाईट ती मला सांगते. चूक झाली तर ओरडते सुद्धा. पण काय करणार आई आहे ना. स्वतःच्या डोळ्यात पाणी आणून पश्चात्ताप करून घेते. लहानपणापासून तिने सगळ्यांवर सारखे प्रेम केले. पण मी जरा लाडकीच आहे असे ती बोलते.

तिच्यापासून जर का काही लपवावे, तरी ही माझी सर्वात मोठी चूक असते. कारण आईसारखे आपल्याला कोणीच ओळखू शकत नाही. मी जर का खोटे बोलत असेल, किंवा माझा मूड ऑफ असेल तर माझी मैत्रीण, माझं पहिल प्रेम-आई पटकन समजून घेते. संस्काराच्या बाबतीत तिने काहीच कमी पडू दिले नाही. मी जरी तिची लाडकी असले तरी “कडुनिंबाची गोळी” मला पण मिळते, थोड्या वेळानंतर राग आवरला की “साखरेच्या लिमलेटचा” वर्षाव होतो!!

कितीही अबोला धरायचा म्हटले तरीही ती बोलके करणार. पण स्वतःला ती हरवून बसते. कधी कधी असे वाटते तिने जन्मच सगळ्यांना खुश ठेवण्यासाठी घेतला आहे. तिची जेवलीस का? म्हणून तरी तिच्या बाळाने विचारपूस करावी असे वाटते. त्या प्रश्नानेच तिचे पोट भरत असेल. तिचे कष्ट अफाट आहे. आपण कधीच तुलना करू शकत नाही. म्हणून माझी विनंती आहे की प्रत्येक मुलाने व मुलीने आपल्या आईला रोजच्या धावपळीच्या जगात विसरू नये. बाहेर गावी असाल तर एकदा तरी तिला फोन करून कशी आहेस? हे विचारा, आपला आवाज ऐकण्यासाठी ती आतुरलेली असते.

स्वामी तिन्ही जगाचा आईविना भिकारी हे खरेच आहे! अशा या सर्व मातांना माझा नमस्कार. खरंच “आई ही आईच” असते. आय लव्ह यू सो मच आई!!!

माणुसकी आम्हाला 1 GB महिनाभर पुरते....

गुड मॉर्निंग, गुड नाईट
सर्व काही होते....
वाढदिवसाच्या शुभेच्छा ही
त्यातून देता येतात
वाटतील तेवढे पुष्पगुच्छ ही
पाठवता येतात..
अभिनंदन, स्वागत,
सर्व काही करता येते
श्रद्धांजली दयायला
मौन ही धरता येते...
सर्व कसे अगदी
ऑनलाइन चालते
1 GB माणुसकी
आम्हाला महिनाभर पुरते...
फेसबुक, Whatsapp
आणि काय काय राव
चॅटींग मधली मजा
तुम्हाला कुठे ठाव...?
विनोद, मस्ती,
असो कि जयंती, पुण्यतिथी
पोस्टचा वर्षाव होतो
साऱ्यांच्या माथी....
शाळेत नसेल शिकवतं
एवढे ज्ञान मिळते
1 GB माणुसकी
आम्हाला महिनाभर पुरते...
तसे भेटून बोलणे
होत नाही आता फारसे
तुम्ही ऑनलाईन या ना
बोलू मग खुपसे...
गेलात जवळून तर

नमस्कार ही करू नका
ऑनलाइन मात्र
हाय हॅलो विसरू नका...
थोडीशी Virtual दुनियाच
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ऑनलाइन जग झाले
याची नाही खंत
माणुसकी आटत चालली
हे मना सलतं...
भावनेचा ओलावा कोरडा
झाला फक्त
समुहात राहुनही
एकटं वाटतं...
नुसत्या शब्दांनी
हृदय कुठे हलते
1 GB माणुसकी
आम्हाला महिनाभर पुरते...

Shubhangi Vasant Bhujbal
FYB.Sc. Div E. Roll No. 674



स्वप्न

आकाशाची झलक बघण्यासाठी माझी धडपड चाललीय, पाण्याच्या पृष्ठभागावर येण्यासाठी माझी लगबग चालली, जिवाच्या आकांताने हात-पाय मारून सुध्दा पाणी माझ्यावर मात करतय.

या अनाकलनीय खेळामध्ये मला माझा पराभव स्पष्ट दिसतो. माझे आयुष्य माझ्याचं डोळ्यांसमोर पाण्यांत विलीन होताना मी पाहतोय!

आठवला मला तो प्रसंग जेव्हा माझी ऑफिसमध्ये प्रशंसा झाली होती.

तरळला तो संवाद जेव्हा भार्या माझ्यावर रागावली होती, परवाच गरजूला मदत करताना चेहऱ्यावर आनंद फुलला होता. आणि एका तरुणीवर अन्याय होताना माझ्यातला वीर मागे हटला होता.

अजूनही किनारा दिसत नाहीये, अजूनही प्रयत्न करतोय मी, डोळ्यांसमोर येऊ लागले ते कॉलेजातले दिवस अगणित प्रसंगी पुढे जाण्याऐवजी मागे सरलेले माझे पाय, चलता है मानसिकतेने मी गमावलेल्या त्या संधी, त्या मला आता मदतीला नकार देतायंत, मी हतबल झालोय.

किती काय करायचंय आयुष्यात मला, हा अध्याय इथेच संपू पाहातोय. देशोदेशी फिरायचंय मला, नवीन अनुभवांनी समृद्ध व्हायचंय. रात्री मुलीला नाराज केलं, तिला प्रेमाने जवळ घ्यायचंय, सोडून दिलेल्या छोट्या गोष्टी पर्वताऐवढ्या मोठ्या झाल्यात आयुष्यातून निघून गेलेल्या व्यक्ती आठवतायंत, नक्की काय चूक झालीय हे कळायला मार्ग नाही, पण आता हे सगळं पूर्णत्वाला येतेय याची मला जाणीव झालीय.

या सगळ्या गोष्टीपलीकडचं जग मला दिसू लागलयं. माझ्या चेहऱ्यावर एक स्मितहास्य येत चाललयं, जगाला आनंदाने मिठीत घ्यायला मी आतुर झालोय, नव्या दृष्टीतून आयुष्य “जगायला” मी सज्ज झालोय!

Sanket J Pisal

SYB.Sc. DivA



तिसरे महायुद्ध!



सकाळी झोपेतून उठताच पहिले काम काही मी करत असेन ते हे की “ताज्या बातम्या बघणे.” सवयी प्रमाणेच त्या दिवशी उठून स्नानसंध्यादी नित्यकर्म अटोपून मी दूरदर्शन समोर फतकल मारली आणि पहिल्याच बातमीने मन सुन्न करून सोडले. किती ते कौर्य? छे! तर बातमी होती “पॅरिसवर दहशतवादी हल्ला!” या बातमीने सारे जग हादरून गेले होते आणि जागतिक राजकारणात खळबळ माजली होती. लवकरच बातमी आली की “इस्लामिक स्टेटस्” या धर्मांध गटाने या साऱ्या प्रकरणाची जबाबदारी स्विकारली आहे. त्यानंतर पॅरिस हल्यातील हुतात्म्यांना श्रद्धांजली वगैरेचे पठडीतले प्रकार पार पाडले, काही दिवस “इस्लामिक स्टेटस्” ला संपवायचे मोठे मोठे संकल्प सोडण्याचा सोहळा अनेक राष्ट्रांनी केला व त्यांचा कडाडून निषेध सुद्धा, परंतु ठोस पावल कोण उचलणार? प्रत्येकालाच आपली कातडी सांभाळायची गरज! असेच काहीसे चित्र दुसऱ्या महायुद्धा अगोदर दिसते होते, जेव्हा बडी राष्ट्रे स्वतःची उणीधुणी काढण्यात गर्क होती आणि हिटलर रूपी भस्मासूर एक एक प्रांत गिळंकृत करत होता. काळ बदलला परिस्थिती नाही!

आज “इस्लामिक स्टेटस्” हे नाव अधिकाधिक प्रबळ होत आहे. जर या धर्मांध राक्षसाला वेळीच तुडवले नाही, तर हाच राक्षस उदया जगाला इस्लाम विरुद्ध इतर धर्मिय अश्या स्वरूपाच्या तिसऱ्या महायुद्धास तोंड फोडल्याशिवाय राहणार नाही हे लक्षात ठेवावे! काय म्हणता इस्लामिक स्टेटस् सारखा गट कसा इतके मोठे युद्ध भडकवू शकतो? पण या जगात धर्मांधांची संख्या किती मोठी आहे हे आपणास स्टेटस्च्या वाढत्या संख्याबळावरून लक्षात यायला हवं ! आणि अशा शक्तींना पाठिंबा देण्यास उत्सुक अनेक शक्ती जगात अस्तित्वात आहेत, जसा “ओसामा बिन लादेन” मोठा करण्यात आला तसा “इस्लामिक स्टेटस्” ला मोठे करण्यास जास्त वेळ नाही लागणार.

आज जर का योग्य रितीने या दहशतवादी गटाचे निरीक्षण केले तर लक्षात येते की हया गटाकडे अनेक अदययावत शस्त्रास्त्रांचासाठा आहे, याचा वापर प्रचंड मनुष्य हानीसाठी केला जाऊ शकतो. एक एक करत “इस्लामिक स्टेटस्” इस्लामिक देशांत आपले पाय अधिक रोवत आहे व अधिकाधिक तरूणांना जिहादचे आवाहन करून आकर्षित करत आहेत. मदरसांमधून लहान लहान मुलांना, युवकांना जिहादच्या नावाखाली कौर्य व हिंसा याचेच धडे दिले जात आहेत. या साऱ्याच्या पाठचा उद्देश ? स्पष्ट आहे उद्देश, धर्मवेड्या युवकांची एक फौज उभारणे व त्यांच्याकडून हिंसक कार्य घडवून आणणे आणि या संघटनेचा उद्देश हाच की, “संपूर्ण जग एका धर्माखाली आणणे”!

हया बाबतीत जागतिक पातळीवर कोणती पाऊल उचलली जात आहेत? उत्तर आहे “कोणतीच नाही”! पण आता शांत बसलो तर तिसरे महायुद्ध नक्कीच सत्यात उतरेल. कारण याच गतीने जर दहशतवादी गटांचा राक्षस फोफावत गेला तर एक धर्मांध आणि सैतानी सैन्यच्या सैन्य अस्तित्वात येईल. ज्यात अनेक उच्चशिक्षित तंत्रज्ञ, शास्त्रज्ञांचा ही फक्त धर्म हया हाकेसाठी झालेला समावेश असेल! खोट वाटत असेल तर मुंबई हल्ल्याची माहिती काढा! कदाचित हा दहशतवादी गट इतर देशांकडून “अणुबॉम्ब” सारख्या घातक शस्त्रांचे सुद्धा निर्मिती प्रशिक्षण घेईल आणि मग हया धर्मांधाकडून जगाची रक्षा करण अजून कठीण होऊन बसेल!

यासाठी उपाय? उपाय सोपा आहे, आता तरी जागतिक शांततेच्या गप्पा मारणाऱ्या व स्वताःस महासत्ता म्हणवून घेणाऱ्या देशांनी निस्वार्थीपणे एकत्र येऊन कडक कारवाई केली पाहिजे. जगातील सर्व देशांच्या मदतीने एक बहुराष्ट्रीय असे प्रबळ सैन्य उभारून हया प्रबळ राक्षसाला मूळापासून उखडून टाकावे लागेल मात्र इतकेच करून भागणार नाही तर ज्या धर्मांध लोकांच्या माथेफिरू प्रवृत्तींनी या चळवळींना सामर्थ्य मिळते त्यांना एकतर ठेचून काढले पाहिजे अथवा त्यांना योग्य मार्गावर आणले पाहिजे व व समाजात मानवता, विश्वबंधुता ही मूल्ये तळागाळापर्यंत पोहचवली पाहिजेत.

जर असे घडले नाही तर मात्र वारंवार हा धर्मांध राक्षस पुन्हा डोक वर काढेल व अधिकाधिक प्रबळ होऊन एक दिवस नक्कीच या साऱ्याची परिणीती जागतिक युद्धात होईल ज्याचा पाया धर्म हाच असेल व ज्याने मानवतेचा गळा चिरला जाईल!

भारत २०२०

जहाँ डाल डाल पर सोने की चिड़िया करती रोज बसेरा, वह भारत देश हे मेरा! वह भारत देश हे मेरा! हे गीत आठवताच भारताची महानता आठवते. पण खरंच आज हे गीत सत्त्यात उतरले आहे का? माझ्या मते नाही.

एक काळ होता जेव्हा भारतात खजिनेच खजिने लपले होते. आणि म्हणूनच इंग्रजांनी व इतर काहींनी भारतावर आक्रमण केले. सर्वात वाईट गोष्ट घडलीच ती म्हणजे आक्रमणाची.

जेव्हा या भारतावर आक्रमण झाले तेव्हा आपल्या मायभूमीवर फार मोठा अत्याचार झाला. तेव्हा पासूनच आपला देश अधोगतीला लागला. अनेक महान नेत्यांनी भारताची गुलामगिरीतून सुटका केली व म्हणून आज भारत मुक्त आहे.

भारत आज फक्त आणि फक्त प्रगती करीत आहे. पण तो पूर्णपणे प्रगतीशील झाला नाही.

अब्दुल कलामांचे स्वप्न होते भारताला २०२० मध्ये एक प्रगतीशील देश म्हणून पाहण्याचे.

आज भारत मुक्त आहे पण आजही अनेक महिला समाजात अन्याय सहन करत आहे. आज सुद्धा अनेक मुले आपले बालपण हरवून मिलमध्ये गुलामगिरीचे कामे करीत आहे. आज ही लोक सत्यमेव जयते व अथिती देवो भव हया संकल्पनेशी पूर्णपणे एकरूप झाले नाही. आज कितीतरी लोक गाड्या घेतात, बिल्डिंग बांधतात व तापमान वाढते.

हया सर्वांचे कारण काय? हया सर्वांचे कारण मी, तुम्ही आपण सारेच आहोत

पण आपण सर्व एकत्र येऊन हया दृश्याचा कायापालट करू शकतो.

भारत २०२० मध्ये जी पृथ्वी आता रडत आहे. ती हसेल.

२०२० मध्ये आपल्या देशातील तरूण हे आपल्याच देशात राहून मोठ मोठ्या पदव्या घेतील. तरूण पिढीचे विचार बदलणाऱ्या अब्दुल कलामांच्या पाऊलावर पाऊल ठेवून पुढे गेलो तर भारत २०२० मध्ये प्रत्येक जण शिकलेला असेल. प्रत्येक जण त्यांच्या नजरेत हिरो असेल. कायद्याचा दुरुपयोग केला नाही आणि आजच्या लहान, तरूण पिढीला खऱ्या खुऱ्या शिक्षणाचा अर्थ कळवला तर आणि तरच भारत २०२० मध्ये बदलेल.

आज जर लोकांनी गाड्या कमी घेतल्या किंवा स्वतःच्या गाड्यांपेक्षा सरकारी वाहनांचा उपयोग केला तर सी.ओ.टू. (CO₂) हा वायू आपल्या देशाला दूषित करणार नाही व एवढेच नव्हे तर आपल्या भारत २०२० मधील पिढीला पेट्रोल, तेल हया सगळ्या गोष्टी उपलब्ध होतील.

आज तुम्ही, आम्ही, मी जर विचार करून योग्य नेत्यांना निवडून दिलं तर आणि फक्त तरच भारत प्रगती करेल. इतकी प्रगती करेल की रस्त्यावर वाहने नाही तर ती आकाशात दिसतील.

आज कितीतरी गावात मुली जन्माला आल्या की त्यांचे जिवनच संपवले जाते पण भारत २०२० मध्ये हे कोठेच नसेल. मुलींची संख्या ही मुलांच्या संखेपेक्षा जास्त असेल.

प्रत्येक मुलगी ही शिकलेली असेल. प्रत्येक नागरिक हा सुशिक्षित असेल. प्रत्येक लहान मुलाला त्याचा हक्क मिळेल. तो म्हणजे शिक्षणाचा.

प्रत्येक तरूणात काहीतरी वेगळेपण असेल. प्रत्येक क्षेत्रात प्रगती होईल.

भारत २०२० मध्ये प्रत्येक स्त्री सुरक्षित असेल. प्रत्येक जण कलामांच्या सारखा जिद्दीबाज असेल.

२०२० मध्ये काया पालट होईलच हा विश्वास आहे.

भारत २०२० मध्ये जाती-पाती, धर्म भेद हे काहीच नसेल. माणूस आणि माणूसकी हाच एक मोठा धर्म असेल. भारत २०२० मध्ये slum area नसेल. त्यावेळी कोठेच रस्त्यावर अस्वच्छता, कचरा नसेल तर इतर देशांप्रमाणे सफाई असेल. एकता असेल. मुले शिकली की भारतातून बाहेर गावी सेटल होण्यासाठी जाणार नाहीत तर बाहेर गावची मुले भारतात सेटल होण्यासाठी येतील.

चला आपण सारे याची सुरुवात करू.

चला आपण सारे एकत्र येऊ,

आपण बुरसटलेल्या विचारांशी लढू,

जिददीने आव्हान स्विकारू.

अपयश आले तरी न खचता लढू,

चला आपण सारे एकत्र येऊ,

सावित्री फुले, टिळक, कलाम

हयांच्या पाऊलावर पाऊल ठेऊ

पुसू तिच्या डोळ्यातील आसू

प्रगत भारत २०२० पाहू, कायापालट करू,

प्रगती करू, चला एकत्र येऊ.

जय हिंद! जय महाराष्ट्र!

Snehal Prakash Chitalkar
F.Y.J.C. Div: G

आयुष्य हे असंच असतं...

आयुष्य हे असंच असतं...

कधी कधी खुप आनंद देत

न मागताही सुख देतं

पण अचानक हसता हसता रडवतं

आयुष्य हे असंच असतं...

आपण बरंच काही ठरवितो

आयुष्याचे आराखडे बांधतो

पण एका वळणावर सगळं

काही थांबतं

आयुष्य हे असंच असतं...

सुखांबरोबर दुःखही देतं

कधीही भरून न येणाऱ्या

भळभळणाऱ्या जखमाही देतं

आयुष्य हे असंच असतं...

भूतकाळातल्या गोड आठवणी

वेड मन आठवत राहतं

पण त्या मनाला फसवून रडवतं

आयुष्य हे असंच असतं...

आयुष्यात खूप काही मिळतं

त्यातल बरंच काही नको असतं

पण जे हवं असतं तेच मिळत नसतं

आयुष्य हे असंच असतं...

Shubhangi Vasant Bhujbal
FYB.Sc. Div E. Roll No. 674



मराठी सिनेमा एक पाऊलपुढे....

लख लख चंदेरी तेजाची
न्यारी दुनिया....

असे म्हणत मराठी सिनेसृष्टीची जोरदार सुरुवात झाली. अयोध्येचा राजा हा पहिला मराठी सिनेमा पडद्यावर झळकला आणि संपूर्ण मराठी जनमानसात सिनेमाची लहर निर्माण झाली. सुरुवातीच्या काळात हेच सिनेमे ब्लॅक आणि व्हाईट जरा मॉडर्न आणि आधुनिक वाटलं तरी खूप दिमाखदारपणे पडद्यावर झळकायचे.

अगदी आजपर्यंत या मराठी सिनेसृष्टीने अनेक चढ-उतार सहन केले. कधी-कधी खूप अविश्वसनीय अशा घटना घडल्या, ज्यामुळे एकेकाळी हॉलिवूड आणि बॉलिवूडच्या सिनेमांमुळे मराठी सिनेसृष्टी डबघाईला आली होती, पण तरीही येथील कलाकारांनी हार मालली नाही, अनेक नव-नवीन आणि प्रेक्षकांना आवडतील असे प्रयोग होऊ लागले. सुरुवातीच्या काळातले सिनेमे अगदी सांस्कृतिक, घरेलू ते व्यावहारिक जीवनापर्यंतचे चित्रण दाखवायचे त्यामुळे नकळतच प्रेक्षक हे क्षण जणू आपलेच आहेत असे जगायचे.

असेच नव-नवीन प्रयोग सुरू झाले. आणि त्यामुळे नव-नवीन व आधुनिक विचारांची तरुणमंडळीही आता मराठी सिनेमांकडे वळू लागली. एक काळ असा होता की मराठी चित्रपटगृहे हॉलिवूड आणि बॉलिवूडच्या सिनेमांमुळे अक्षरशः बंद होण्याच्या मार्गावर होती पण त्यातच अशोक सराफ, लक्ष्मीकांत बेर्डे, सचिन पिळगावकर, दादा कोंडके हे आणि अशा अनेक नवोदित कलाकारांनी मराठी सिनेमांना अगदी उंचीवर नेऊन पोहचवले.

सुरुवातीच्या 'अयोध्येचा राजा' ते अगदी काल आज प्रक्षेपित झालेल्या कटयार काळजात घुसली या सिनेमांपर्यंत मराठी सिनेसृष्टीत अनेक विचार चित्रित करण्यात आले. आणि मराठी सिनेमाच्या कथेंसाठी सगळ्यात उत्कृष्ट असा ऑस्करही त्यांच्यासमोर मान खाली घालून उभा राहिला. आणि हाच तो क्षण जेव्हा मराठी सिनेमाचा झेंडा अटकेपार फडकत होता. या आणि अशा अनेक पुरस्कारांनी मराठी सिनेमाला गौरविण्यात आले. आणि सर्व तरुण वर्गात अभिमानाची लाट उसळली.

हॉलिवूड आणि बॉलिवूड प्रमाणेच प्रेक्षकांना आवडतील असे सिनेमे निर्माण होऊ लागले, पण त्यातही मराठी संस्कृतीचा बाणा कधी कमी होऊ दिला नाही आणि त्यामुळेच आज हिंदी सिनेसृष्टीतील कलाकारही मराठी सिनेमांमध्ये अभिनय करण्यासाठी घडपडत असतात. मग त्यात सलमान खान सारखा हिंदी सिनेसृष्टीची शान असलेला अभिनेता सुद्धा मराठी सिनेमात आपली झलक दाखवूनच गेला हेच ते आनंदाचे क्षण असतात जेव्हा मराठी सिनेमे राष्ट्रीयच नव्हे तर आंतरराष्ट्रीय स्तरावर देखील आपले अधिराज्य गाजवत असतात.

काही सिनेमे कथांसाठी तर काही कलाकारांच्या अभिनयामुळे प्रसिद्ध होतात पण काही सिनेमे असे असतात ज्यात संगीताची जोड नसेल तर सिनेमा अपूर्णच राहतो. त्यामुळे आता मराठी सिनेमा म्हटलं की संगीत मनोरंजन अभिनय व सांस्कृतिक आणि सामाजिक भान असलेला असेच चित्र डोळ्यासमोर उभे राहते. या मराठी सिनेसृष्टीला हृदयनाथ मंगेशकर, अजय-अतूल, अशा अनेक संगीतकारांनी आपले योगदान दिले. जे आजही धका-धकीच्या जीवनात मराठी व अमराठी भाषेच्या लोकांच्या हृदयात घर करून बसले आहे.

संगीताबरोबरच येते ते म्हणजे नृत्य मराठी संस्कृतीची शान असलेली लावणी मराठी कलाकारांनी लंडनपर्यंत नेऊन पोहोचवली आणि याच लावणीच्या तालावर परदेशी तरुणींना देखील नाचायला लावले. लावणी बरोबरच आधुनिक नृत्य पध्दतीचा देखील समावेश मराठी सिनेमामध्ये झाला.

याच मराठी सिनेमांतून मिळालेली एक मोलाची गोष्ट म्हणजे मनोरंजन आणि हास्याची एक लहर. हिच लाट दादा कोंडके, लक्ष्मीकांत बेर्डे यांसारख्या तसेच आत्ताचे सिध्दार्थ जाधव, भरत जाधव, भाऊ कदम अशा कलाकारांनी घरा-घरांत पोहोचवली. अगदी लहान मुलांपासून ते वयोवृद्ध वर्गापर्यंतच्या लोकांना खद-खदून हसवणारे चित्रपट उदयास येऊ लागले. आणि त्यातच एक अगदी सगळ्यांच्या जवळचा आणि हळूवार कोपरा म्हणजे प्रेम सर्व कलाकारांनी आणि चित्रपटांनी याचे देखील दर्शन लोकांना घडवले पण यामुळे कधीही मराठी सिनेमाची मान खाली जाईल असे कृत्य कधीच केले नाही. आपल्या जोडीदारा सोबतचा निखळ सहवास अगदी साध्या आणि सोप्या पध्दतीत दर्शविण्यात आला.

हा असा मनोरंजक प्रवास अनुभवायला सगळेच आतुर असतात आणि त्यामुळे मराठी चित्रपटांमध्ये क्रांती होत आहे आणि मराठीचा वारसा जपलेले चित्रपट आपला झेंडा अटकेपार लावत आहेत. आणि मराठी सिनेमांची अशी यशाची वाटचाल पाहिली की मुखातून एकच वाक्य अगदी जोशाने आणि आनंदाने येते ते म्हणजे “मराठी पाऊल पडते पुढे....”

Manisha Maruti Harne
T.Y.B.SC.



शेतकऱ्यांची दुरावस्था



“काळी माती निळं पाणी हिरवं शिवार! ताज्या ताज्या माळव्याचा भूईला या भार!

या ओळींप्रमाणेच आपल्या महाराष्ट्रातील शेतांची अवस्था होती. अगदी भरभराटीचे वातावरण शेतकऱ्यांच्या घरात नांदायचे. त्या हिरव्या शिवाराच्या मळ्यात शेतकरी आपला घाम गाळून धान्य पिकवतात परंतु पाहिजे तसे उत्पन्न त्यांना लाभत नाही. ज्या परीने ते कष्ट करतात, रात्र-दिवस शेताची देखरेख करतात, त्या परीने त्यांना यश मिळत नाही. त्यांचे ते कष्ट, ज्या गोष्टींची अपेक्षा करतात, ते त्यांना भेटत नाही.

आपण जरा आपल्या महाराष्ट्रातील शेतकऱ्यांची बदलती अवस्था लक्षात घेऊया आणि त्यावर उपाय शोधण्याचा प्रयत्न करूया.

“मेरे देश की धरती, सोना उगले उगले हिरे-मोती मेरे देश की धरती”

असे गीत गुणगुणत आपले शेतकरी आपल्या घामाने, त्या विरान जमीनीतून, पीकांच्या रूपाने हिरे-मोती पिकवण्याचा प्रयत्न करतात. शेतकऱ्यांचे जीवन हे आपण विचार करतो तेवढे सोपे नाही ते खूप कठिण आहे. शेतकऱ्यांना भारत-मातेचे पुत्र असे संबोधण्यात येते. हे भारत मातेचे पुत्र आपण जिवंत राहावे म्हणून त्या भारतमातेची मशागत करून धान्य पिकवतात.

“कष्ट हेच धन!”

हे ध्येय शेतकरी जीवनभर जपत असतात. शेतकऱ्याला अन्नदाता असे ही संबोधण्यात येते. होय! खरंच ते आपले अन्नदाता आहेत. त्यांच्याशिवाय आपण एक दिवस राहू शकत नाही. त्यांनी पिकवलेल्या धान्यामुळेच आपण आज अन्नाचे सेवन करू शकतो. जे भोजन आपण खातो. ते एका शेतकऱ्याच्या दिवस-रात्र कष्ट करण्याचा परिणाम आहे.

आपण जरा या गोष्टीकडे लक्ष देऊया कि जर शेतकरीच नसते तर?

शेतकरी नसेत तर, जमीनीची मशागत कोणी केली असती? मशागतच नाही तर बीज कोणी पेरले असते? बी नसेत तर पीक कुठून येईल? त्या बीयाणाला पाणी, खत कोणी टाकले असते? त्याची काळजी कोणी केली असती? पीक आल्यावर त्याची कापणी कोण करेल? बाप रे!! ऐवढे प्रश्न उभे राहतात, जर शेतकरीच नसते तर... नको याचा विचार देखील करवत नाही.

परंतु आज या अन्नदात्याचे जीवन अगदी खडतर झाले आहे. यांचा विचार कोण करणार? त्यांना कोण समजून घेईल? त्यांच्या समस्यांना कोण समाधान देईल?

”

“उसवलं गणगोत सार आधार कोणाचा नाही, भेगाळल्या परी हीत दीन अंधार जीवाला जाळी! अशी या शेतकऱ्यांची दुरावस्था झाली आहे. त्यांनी केलेले कष्ट अगदी शून्य लेखण्यात येत आहे. या मागे कोणाचा हात? हा प्रश्न मोठा आहे. परंतु सगळ्या आधी या दुरावस्था मागचे कारण आहे महाराष्ट्रातील दुष्काळ परिस्थिती, पावसाचे कमी होत चालले प्रमाण, इत्यादी.

बी पेरल्यानंतर, नुसते पावसाची वाट पाहत बसण्याशिवाय शेतकऱ्यांकडे काहीच उपाय नाहीत. शेतकरी अत्यंत हालाखीच्या परिस्थितीत जमीनीची मशागत करून बी पेरून त्याला खत-पाणी देतात. परंतु पावसाची जागा दुसरे कोणीच घेऊ शकत नाही. पाऊस हा शेतीसाठी अत्यंत गरजेचा आहे. परंतु पाहिजे तेवढा पाऊस न पडल्यामुळे पिक नीट उगवत नाहीत. धान्याची कापणी कमी प्रमाणात होते. आणि शेतकऱ्याचे उत्पन्न कमी होते किंवा काही वेळेस पाऊस इतका पडतो कि अगदी शेतीच्या शेती वाहून जाते आणि शेतकऱ्याला भारी नुकसान होते.

“करपलं रान, देवा जळलं शिवार तरी नाही धीर सोडला!”

असं म्हणत, शेतकरी पुन्हा पुढील वर्षी बी पेरतो आणि पावसाची वाट बघत बसतो. असा या कष्टाळू भारत-मातेच्या पुत्रावर आत्महत्तेची वेळ का यावी????

यावर विचार करणे गरजेचे आहे. शेतकरी वर्षभर घाम गाळतो, कष्ट करतो. आपल्याला पोटभर अन्न मिळावं म्हणूनच! पण त्या शेतकऱ्याला समजून घेणारं कोणीच नाही. जेव्हा त्याच्यावर संकट येत तेव्हा सरकारतर्फे त्याला मदत केली जाते, हे खरं! परंतु केवळ पैशांनी त्याच्या झालेल्या नुकसानाची भरपाई होईल का? त्यांनी केलेल्या कष्टाचे काय? त्याच्या कुटुंबाचे काय? ही आजच्या शेतकऱ्याची दुरावस्था आहे.

माझ्या दृष्टीने सरकारने पैशांसोबत शेतकऱ्यांना जोड उद्योग स्थापित करून दयावेत. जोडउद्योग जसे, कुक्कुटपालन, फळभाज्यांचे मळे, इत्यादी, हे जर स्थापन करण्यात आले तर शेतकरी नुकसान झालेल्या परिस्थितीतही आत्महत्येचा विचार करणार नाही. कारण उत्पन्नाचा दुसरा मार्ग त्याच्या जवळ असेल.

म्हणून माझी अशी आशा आहे की, असे उपक्रम सरकाराद्वारे राबवले गेले पाहिजे ज्याने आपला अन्नदाता आपण गमावणार नाही.

जय जवान ! जय किसान!



Vinanti Sanjay Makasare
F.Y.J.C. Div: B

आजची पिढी आणि



What'sapp



What'sapp हे आज प्रत्येकाच्या तोंडी असणारे आणि जवळपास प्रत्येकाच्या भ्रमणध्वनीमध्ये आढळणारे एक apps. आज महाजालाच्या मदतीने जगाचा कोपरान कोपरा जोडला गेला आहे. पण लोकांना एकमेकांसोबत आणण्यास मदत करतात ती समाजमाध्यमे (सोशल वेबसाईट्स). गुगलचे ऑरकूट झुगेरबर्गचे फेसबुक, भारतीय बनावटीचे आणि पूर्णतः भारतीय असणारे हार्डि अशी अनेक माध्यमे आहेत, तरी ही दुनियेवर आज अधिराज्य गाजवत आहे ते What'sapp.

What'sapp हे तरूणांच्या गळ्यातील ताईत आहे. आता मुले-मुली मला फोन कर म्हणण्याऐवजी What'sapp कर, असे म्हणताना दिसतात. लहान मुले, किशोरवयीन मुले, तरूण, प्रौढ काय तर आता वृद्धदेखील या What'sapp जाळयात अडकले आहे. आज प्रत्येक जण रस्त्याने चालताना घरी असताना, कार्यालयात मोबाईलने आवाज केला रे केला लगेच प्रथम कोणाचा What'sapp मेसेज आलाय का हे पाहणार.

लोकांना अगदी वेडावून सोडलय या What'sapp ने. काय करणार पर्यायच नाही.

आजच्या पिढीची गरज बनून बसले आहे What'sapp अन्न, वस्त्र, निवारा, शिक्षण आणि What'sapp या आजकालच्या मूलभूत गरजा. What'sapp एखादयाला फोनमध्ये कॉल करण्यासाठी पैसे नसले तरी चालतात, पण नेट-पॅक हवाय, 2G, 3G आता 4G नेट-पॅकचा एकच उद्देश What'sapp. गुगलवर माहिती मिळवण्यासाठी नेटचा उपयोग प्रकल्प जमा करण्यासाठी तारीख येते तेव्हाच होतो. कधी-कधी तर त्यासाठीही What'sapp वरच, ज्याचे बनवून झाले त्याला फॉरवर्ड करण्याचा आदेश दिला जाते. आता ज्ञानसंपादनात देखील पिढी परावलंबी होत चालली आहे. वाचनालयात जाऊन पुस्तकातून माहिती शोधून, ती संपादित करून प्रकल्प सादर करण्याचे कष्टच नाहीत. याचे त्याला आणि त्याचे याला. स्वतःची क्षमता गमावत चालली आहे आजची पिढी, तेही What'sapp मुळे.

आजचे हे वेड खूपच भयानक बनत चालले आहे. प्रत्येकाच्या What'sapp मध्ये एक ना एक ग्रुप हा सापडणारच तेही अगदी रात्रभर. यामुळे मुले उशीरा झोपतात आणि उशीरा उठतात, आरोग्याचे काय? हिच आहे What'sappची माया. तंदुरुस्त पिढी अशक्त करण्याची ताकद आहे त्यामध्ये याशिवाय ग्रुप कितीही चॅटिंग केली तरी एकत्र येऊन गप्पा मारताना, हास्यविनोद करताना जो आनंद मित्रमैत्रिणींना हसताना पाहून मिळतो, तो आनंद What'sapp च्या स्माईली कदापि देऊ शकत नाहीत.

What'sapp ने आजच्या पिढीतील मैत्रीचा ओलावा संपविलेला आहे. पूर्वी आपल्यावर रागावलेल्या मित्राला समजवता यायचे आणि मैत्रीमध्ये अधिक दृढता यायची. यासाठी संभाषणाची गरज असते. आज तर आपण त्यांना मित्र बोलतो त्याला block करता येते. संभाषणच संपले तर मैत्री पुन्हा कधी होणार? आणि What'sapp चे कौतुक काय तर, लांबचे मित्रही जवळ येतात. पण जवळचे दुरावतात त्याचे काय?

काही काळ आधी सर्व संध्याकाळी घरी पोहोचल्यावर दिवसभराची पूर्ण चौकशी करत, कुटुंबात गप्पा होत. प्रौढाकडून तरूणांसाठी काही व्यवहारज्ञान दिले जायचे. मात्र आजकाल घेतला मोबाइल अन चॅटिंग चालू. कौटुंबिक गप्पा संपत चालल्या आहेत. ज्या मित्रासोबत दिवसभर किती मजा केली. हे त्याला परत चॅटिंगमध्ये सांगायला वेळ आहे तरूणाईला पण दिवसभर आपण काय केले, काय नवीन शिकलो हे आईला सांगण्यासाठी वेळच नाहीना. किती वाईट स्थिती आहे ही या पिढीची आणि काय तर आम्ही बिझी! माता-पिता यांच्याशी बोलून जे ज्ञान मिळणार आहे, ते What'sapp कधीही देऊ शकत नाही. आयुष्याचे उतारचढाव आई-वडिलांनी पाहिलेत, What'sapp ने नाही.

या सर्व गोष्टी झाल्या दैनंदिन व वैयक्तिक पण समाज स्तरावर काय? कोणाची अब्रू घालवायची असेल आहेच ना What'sapp, अभिनेते-अभिनेत्री विनोदाचे प्रमुख पात्र. माननीय नेते -नेत्यांचा What'sapp किती मान ठेवला जातो हे काही नव्याने सांगायला नको. प्रसिध्द व्यक्तींच्या वैयक्तिक जीवनावर या What'sapp वर चर्चासत्रे भरतात. पण लोकांना आरोग्यविषयक, अर्थविषयक, संगोपनविषयक चर्चासत्रांमध्ये हजेरी लावण्यास वेळ नाही. बिझी बिचारे तेही What'sapp मुळे. काय निराशाजनक सत्य आहे हे समाजासाठी. आज लोकसंख्येचा सर्वाधिक हिस्सा तरूणपिढीचा आहे, या तरूणांचा देशकार्यासाठी किती उपयोग करून घेता येऊ शकतो. अफाट मनुष्यबळ आहे देशाकडे पण तरूणांची रग त्यांचा दम What'sapp शोषून घेत आहे. अशा खिन्न समाजात आपण राहत आहोत. या What'sapp मुळे धार्मिक, सांप्रदायिक दंगली देखील होत आहेत. याची माहिती जमा केली तर इतिहास उभा राहिल. तोही प्रेरणादायी नव्हे तर निराशाजनक इतिहास हा प्रेरणादायी असेल तरच पिढी प्रभावित होते. आता काय करणार What'sapp नावाचा सामाजिक आजार आलाय आणि त्याला औषधदेखील नाही. शिवाय आपले पैसे अमेरिकेला जातात हे देखील बरे नाही.

तसे पाहायला गेले तर What'sapp ची निर्मिती ही तरूणांनीच केलीय. याच्या निर्मितीची कथादेखील तरूणांना प्रेरणा देऊ शकते. दोन तरूण एक फेसबुक मध्ये नोकरी न मिळवता आलेला आणि एक निर्वासित, पण दोघांची मेहनत आणि जिद्द, त्यांनी फेसबुकची सत्तादेखील नेस्तनाबूत केली आणि शेवटी फेसबुकला झुकवलेच. ज्यांनी फेसबुकला अब्जो डॉलर्सचा खर्च करण्यास भाग पाडले असे दोन तरूण ही जिद्द आपल्या पिढीने धरली पाहिजे.

एका नाण्याला ज्याप्रमाणे दोन बाजू असतात तसेच What'sapp पूर्णपणे वाईटदेखील नाही. हरवलेल्या लेकरांचे फोटो, त्यांच्या आई-वडिलांना पोहोचवण्यासाठी लगेच व्हायरल केले जातात. थोर पुरुषांचे विचार शुभ सकाळ च्या संदेशाद्वारे पोहोचवले जातात. काही ग्रुप हे फक्त सामाजिक कार्यासाठीच तयार केले जातात. माहितीची देवाण-घेवाण होते मात्र समाजाच्या भल्यासाठीच. शुभेच्छांचा वर्षावदेखील केला जातो What'sapp वर हेच काय सरकारची सर्व नवीन धोरणे, प्रकल्प यांची माहिती प्रत्येकापर्यंत पोहोचते.

एखाद्याच्या कामाचे कौतुक देखील मोठया प्रमाणावर केले जाते. कोणाकोणाच्या वाईट कामांची खबर देखील पोहोचते. आज आपण What'sapp चे नाणे टॉस केले आहे. वाईटाचा काटा पडण्याची संभाव्यता जास्त असली तरीही चांगल्याच छापा पडण्यासाठी आपण प्रार्थनातर नक्कीच करू शकते. आता शेवटी ज्याचे त्याचे विचार, आजच्या पिढीसाठी व्यक्ती तितक्या वल्ली म्हणण्यापेक्षा माणूस तसा What'sapp हे अधिक प्रभावशील वाटते.

आजच्या तरूणांचा करिअरकडे बघण्याचा दृष्टीकोन

आजची पिढी म्हटली म्हणजे बघायला नको त्याच्या मनात जे येईल ते करतात. त्यांना कुठल्याही गोष्टीची चिंता किंवा काळजी मुळीच नसते. आपल्या आयुष्यात एकदम महत्त्वाचा क्षण म्हणजे करिअरची निवड करणे होय. आपण जर आपल्याला आवडत असलेल्या करिअर निवडले तरच आपण त्यात काहीतरी किंवा पुष्कळ प्रगती करू शकतो. करिअर म्हटले तर आपल्यासमोर फक्त ५ पर्याय दिसतात. त्यातील एक म्हणजे विज्ञान क्षेत्र.

या एकविसाव्या शतकात मशीनचा सर्वात जास्त उपयोग होत आहे. म्हणण्याचा उद्देश असा या शतकात विज्ञान क्षेत्राचा खूप विकास झालेला आहे. या शतकात मुले जास्तीत जास्त विज्ञान क्षेत्राकडे वळाली. त्यामुळे विज्ञान क्षेत्र भरून आले. त्यातून जगाला इंजिनियर्स, डॉक्टर मिळाले. त्यामुळे प्रत्येक देशाचा विकास झाला. म्हणून या विज्ञान क्षेत्राला उत्तम क्षेत्र म्हणतात.

दुसरे म्हणजे कॉमर्स क्षेत्र म्हणजे वाणिज्य क्षेत्र हे क्षेत्र सर्व क्षेत्रांमधील प्रसिद्ध क्षेत्र आहे. असे म्हणतात की, ज्यांना अभ्यासाची म्हणजे विज्ञानाची आवड नसेल ती मुले या क्षेत्रात जातात. हे क्षेत्र बँकेच्या संबंधातील आहे. सगळ्यांना असे वाटते की वाणिज्य क्षेत्रात बँके शिवाय दुसरे पर्यायच नाही. असे नाही आहे. या क्षेत्रामध्ये सुद्धा आपले उत्तम करिअर घडू शकते. विज्ञान क्षेत्रानंतर वाणिज्यक्षेत्र हे करिअरसाठी उत्तम क्षेत्र आहे.

तिसरे म्हणजे कला क्षेत्र म्हणजे Arts हे क्षेत्र एवढे प्रसिद्ध नाही. या क्षेत्रामध्ये करिअर घडवण्याच्या संधी पुष्कळ आहेत. हे क्षेत्र जगाला घडवत कारण या क्षेत्रामुळेच आपल्याला शिक्षक मिळतात. ते शिकवतात त्यामुळे मुले आयुष्यात काहीतरी बनतात. चौथे म्हणजे Agriculture field म्हणजे शेतकी संबंधातील क्षेत्र. या क्षेत्रात पूर्वी खूप मुलांना रस होता. पण आताच्या मुलांना या क्षेत्रात रस आहे असे दिसत नाही. त्यांना हे क्षेत्र खूप कंटाळावाणे वाटते. पण माझ्यामते या क्षेत्रामध्ये जाण्याची आता खूप गरज आहे. कारण आपण आजकाल बातम्यांमध्ये बघतो की शेतकरी आत्महत्या करतात. जर जगात शेतकरी उरलेच नाही तर अन्न जे जगण्यासाठी खूप आवश्यक आहे ते कोण पिकवणार? शेतकरी कमी झाले त्यामुळे आज महागाई वाढली आहे. जर ही महागाई आजच्या काळात कमी करायची असेल तर तरूणांना या क्षेत्राकडे वळले पाहिजे.

आणि पाचव्या पर्यायांमध्ये इतर क्षेत्रे येतात. जसे की, गायन, वादन, क्रीडा, पत्रकार, इत्यादी. जर मुलांना या सर्व क्षेत्रांमध्ये आवड असेल तर ते या क्षेत्रांकडे जातात. हे क्षेत्रदेखील हळूहळू प्रसिद्ध होत चालले आहे. या क्षेत्रातदेखील करिअरच्या खूप सान्या संधी आहेत. हे क्षेत्र आजकालच्या तरूणांसाठी उत्तम क्षेत्र बनले आहे.

करिअर ही गोष्ट आपणच ठरवली पाहिजे. आपल्याला ज्यात आवड आहे त्यातच गेले पाहिजे, असे मला वाटते. पालकांना नेहमी आपला मुलगा डॉक्टर किंवा इंजिनियर बनावे असे वाटते. पण त्या मुलाला कधी विचारत नाहीत तुला पुढे काय बघायचे, तुला कशात रस आहे? हाच मुद्दा लोकांपर्यंत पोहोचवण्यासाठी राजकुमार हिराणी जे प्रसिद्ध दिग्दर्शक आहेत त्यांनी ३ इडिअट्स हा चित्रपट बनवला. या चित्रपटामुळे लोकांपर्यंत हा मुद्दा पोहोचला. त्यामुळे पालकांना आपली चूक लक्षात आली.

माझ्या मते, मुलांनी इतर क्षेत्रांकडे वळायला हवं. त्या क्षेत्रातील कल वाढायला हवा. या क्षेत्रात सुद्धा विकास व्हायला हवा. असा विचार करा की जर सुनिता विलयम्सला डॉक्टर बघायला सांगितले असते तर चंद्रावर पहिली महिला म्हणून कोण गेल असत? जर सचिन तेंडुलकरला गायला सांगितले असते तर असा महान क्रिकेटर ज्याने पूर्ण क्रिकेट विश्व बदलून टाकले तो कसा सापडला असता? आजच म्हटलं तर भाऊ कदम इंजिनियर बनला असता तर आपल्याला पोट धरून कोणी हसवले असते? म्हणून आपल्या करिअरचा विचार आपणच केला पाहिजे.

करिअर करा पण असे करिअर करा ज्यामुळे पूर्ण जग तुम्हांला ओळखेल.

नववर्षाची संकल्प आणि मी

डिसेंबर, वर्षसांगतेचा मास, सेलिब्रेशनचा महिना कॉलेजमध्ये फेस्टिवलची धूम, प्रत्येकाचीच लगबग या महिन्यात चालू असते. सर्वात मोठा प्रश्न, ३१st ला काय करणार? प्रत्येकाचाच प्लॉन / वेगवेगळा असला तरी प्रत्येकाच एका गोष्टीवर नक्की एकमत होईल की सरणारं वर्ष धुमशान पार्टीने संपलं पाहिजे. मग आपण परत नव्या वर्षात मागचाच अध्याय पुढे चालू करायचा.

या पान पलटण्याच्या प्रक्रियेशिवाय नव्या वर्षाला एक खास महत्त्व, एक खास अंग आहे. चालू वर्षात ज्या चुका केल्या त्यांना विसरायचं आणि नव्या जोमाने नवीन वर्षात मेहनत करून आपलेच उच्चांक मोडायचे.

माग योगायोगाने संकल्प सोडणे आलेच, नवीन विचार आले, नवीन प्लॉनही आले. त्यातले कोण किती पाळतात हे देव जाणे, परंतु आपण म्हणजे मी स्वतः बदलच मर्यादित राहतो.

नवीन वर्षात मला एक चांगला माणूस बनावचयं. म्हणजे एकदम साधुसंतासारखे नाही, वैचारिक पातळीवर मानसिक पातळीवर सुधारणा करण्याकडे माझा कल राहील. बघता बघता पुढील वर्षात मी २० वर्षांचा होईन. कधी या फास्ट-पेस लाईफमध्ये लहानाचा मोठा झालो ते कळलेच नाही. (अजूनही मी स्वतःला लहान मानतो ती एक वेगळी बाब आहे).

वेळ हा सर्वात मोठा क्षमा न करणारा घटक आहे टाईम किसी के लिए रूकता नहीं है बॉस! वेळ हा जातच असतो, तुम्ही झोपलेले असता तेव्हा, तुम्ही टाईमपास करत असता तेव्हा, वेळ हा अविरतपणे पुढे जाण्याच काम करत असतो. वेळ हा किचकट फेनॉमेनन आहे म्हणजे एकदम त्या सापेक्षतावाद सिध्दांतासारखा नाही, पण वेळ हा चांगल्या गोष्टी साठी मार्गी लावण्याकडे माझा जास्त भर असेल, वेळेचा अपव्यय हा आता अगदी असह्य झालायं मला इथे मला माझ्या आवडत्या सिनेमा Fight Club मधील वाक्य नमूद करावेसे वाटते.

This is your life and it's ending one minute at a time.!

नाती राखण्यामध्ये मी खूप टेरिबल आहे. मग ते मित्र असोत, नातेवाईक असो की आणखी कोणी मला लॉग-टर्म साठी लोक पाहिजेत, शेअर करायलां मन मोकळ करायला, घाबरू नका, कोणीतरी तुमची कुठेतरी वाट बघतयं. आपले डोळे सदैव उघडे असू देत. लोकांना जायचं असेल तर जाऊ द्या, नवीन लोक मिळतील हे अगदी सगळ्यांना लागू होतं.

मनशांती राखणे म्हणजे एखादया इलेक्ट्रॉनला आपल्या ऑर्बिटमध्ये ठेवण्यासारखे आहे. कधी एखादा नको तो इलेक्ट्रॉन यायचा आणि व्हायचा आपला रिअॅक्ट. कधीकधी न बोलल्याने बऱ्याच गोष्टी वाचू शकतात. आता मी ठरवलंयं एकदम नोबल माणूस होणार.

मी या येत्या वर्षात माझ्या करिअरला आणि अभ्यासाला मी माझी प्रेयसी बनवणार, या demanding समाजात मागे नाही राहायचं मला, येत्या वर्षात अभ्यासाची नांदी करणार मी असं मला वाटतं. पुढल्या वर्षात भेटेनच तुम्हाला मी शिखरावर.

माझ्या Comfort Zone मधून मला बाहेर पडायचयं, त्याच्या आत खूप सेफ वाटतं पण बाहेर पडल्याशिवाय स्वतःला आपली क्षमता कळणार तरी कशी? अशा गोष्टी करण्याचा प्रयत्न करा, ज्या कधी तुम्ही तुमच्या (दु) स्वप्नातही करणार नाही. मग कळेल तुम्हांला किती शक्यतांच जग तुम्हांला मिसळून घ्यायला आतुर आहे.

मला २०१६ मध्ये अधिक जबाबदार बनावचयं, थोडयाच वर्षात जॉब लागेल, सगळ लाईफस्टाईल बदलेल तेव्हा हिच जबाबदारीची जाणीव मला तारून नेईल.

२०१५ नंतर १६ हा नुसता आकडयांचा बदल नाहीये माझ्यासाठी , ती एका नव्या चॅप्टरची सुरवात असेल. एवढ्या संकल्पांखाली दबून न जाता मी परत एकदा उसळी घेईन.

Happy New Year!!
“Today is the oldest
you have ever beep,
and youngest you will
ever be again!!

Sanket Jagnath Pisal

S.Y.Bsc. Div: A

मराठी वाङ्मय मंडळ २०१५ - १६

दरवर्षी प्रमाणे याही वर्षी मराठी वाङ्मय मंडळाने विविध स्पर्धांचे आयोजन केले होते. त्या स्पर्धा होत्या वक्तृत्व स्पर्धा, काव्य वाचन स्पर्धा, काव्य लेखन स्पर्धा, निबंधलेखन स्पर्धा, सुंदर हस्ताक्षर स्पर्धा.

महाविद्यालयीन विद्यार्थ्यांच्या कलागुणांना वाव मिळावा, त्यांच्यातील लेखन व वक्तृत्व कौशल्य त्यांनाच नव्याने ओळखता यावे या सर्व कारणांसाठी मराठी वाङ्मय मंडळ या विविध स्पर्धांचे आयोजन करते. यावर्षी या स्पर्धांना विद्यार्थ्यांचा चांगला प्रतिसाद मिळाला. कनिष्ठ व वरिष्ठ महाविद्यालयातील विद्यार्थ्यांनी या स्पर्धेत सहभाग घेतला व अतिशय उत्कृष्ट पणे या स्पर्धा संपन्न झाल्या.

बक्षीस मिळवलेल्या विद्यार्थ्यांची नावे खालील प्रमाणे आहेत.

(अ) वक्तृत्व स्पर्धा :-

१) भार्गवी धोगळे	प्रथम क्रमांक
२) अमित मोहिते	द्वितीय क्रमांक
३) विधी ठक्कर	तृतीय क्रमांक

(ब) काव्यवाचन स्पर्धा :-

१) आकाश काशिद	प्रथम क्रमांक
२) रुचिता मादळे	द्वितीय क्रमांक
३) अमित मोहिते	द्वितीय क्रमांक
४) सिध्देश जाधव	तृतीय क्रमांक

(क) काव्यलेखन स्पर्धा :-

१) आकाश काशिद	प्रथम क्रमांक
२) प्रल्हाद पाटील	द्वितीय क्रमांक

(ड) निबंधलेखन स्पर्धा :-

१) किरण शामराव फड	प्रथम क्रमांक
२) गिरीश तुपे	द्वितीय क्रमांक
३) विनंती मकासरे	तृतीय क्रमांक
४) ओमकार मुळये	तृतीय क्रमांक

(इ) सुंदर हस्ताक्षर स्पर्धा :-

१) साहिल तळवटकर	प्रथम क्रमांक
२) प्राची चव्हाण	द्वितीय क्रमांक
३) कुमार आटपाडकर	तृतीय क्रमांक
४) मेहुल वाळंज	तृतीय क्रमांक



आजच्या मुलांच्या पालकाकडून अपेक्षा

“अरे पालक, पालक किती टाकणार भार आधीच अभ्यास त्यात शब्दाचे वार”

आपले आई-वडील हे आपल्यासाठी देवापेक्षाही मोठी मूर्ती असते. अस म्हणतात की, रोज आईच्या पाया पडून घरातून बाहेर निघाल्यावर आपल्याला कधी अपयश येत नाही. आणि वडिलांची प्रत्येक गोष्ट ऐकली की आयुष्य सुखी होण्यापासून कुणीच थांबवू शकत नाही. पण कुणी असं का नाही म्हणत, की आपल्या मुलांचे ऐकल्याने हे होईल किंवा ते चांगलं असेल?

आई-वडील आपल्या मुलांना तो मुलगा असो वा मुलगी त्यांना लहानपणापासून तळहाताच्या फोडाप्रमाणे जपतात. त्यांना शाळेत जाताना बघण्यासाठी ते जिवाचे रान करतात. जेव्हा एक लहान मुल स्वतःच्या पायांनी चालत-चालत आपल्या आई-वडिलांकडे येत तेव्हा त्यांच्या डोळ्यात अश्रू असतात. पण जेव्हा तो मुलगा दहावीच्या परीक्षेत आपल्या अपेक्षेपेक्षा कमी गुण आणतात तेव्हाही त्यांच्या डोळ्यांत अश्रू असतात. या दोन्ही अश्रूंमध्ये फक्त एकच फरक असतो तो म्हणजे परिस्थिती आणि सुख व दुःख एकदा अश्रू हे आनंदाचे असतात तर दुसरे अश्रू दुःखाचे असे का?

“अभ्यासाच्या जगातून येऊ दया की बाहेर कामाचा नाहीतर मनाचा करू दया विचार”

शाळेच्या त्या आवारात सोडून जेव्हा मुलगा आपल्या वर्गाकडे धावताना पालक बघतात तेव्हा ते किती आनंदी असतात. आणि नंतर काही वर्षांनी दहावीला तेथूनच मुलाला ओरडत-ओरडत घरी घेऊन येतात.

आपले पालक म्हणजे भारतातील पालक असा विचार करतात की, जे आयुष्य, जे दुःख आपण सोसलंय ते आपल्या मुलांना सोसायला नको. त्यासाठी ते आपल्याला अभ्यास करायला सांगतात. पण तो अभ्यास त्याच प्रमाणे ते दुसऱ्या मुलांना मिळालेल्या गुणांवरून ठरवतात. असं का? आपला मुलगा अभ्यास करतो की नाही हे पालक फक्त त्यांच्या परीक्षेतील गुणांवरून ठरवतात असं का? आताच्या जगात ज्याच शिक्षण जास्त, ज्याला मोठ्या-मोठ्या परीक्षेत जास्त गुण तेच आयुष्यात यशस्वी होतात असं समजलं जातं. म्हणून पालक आपल्या मुलांकडून त्यांच्या गुणवत्तेपेक्षा जास्त अपेक्षा करतात. पालक आपल्या मुलांमध्ये काही गुण आहेत का किंवा त्याला कोणता विषय आवडतो त्याचा रस कशात आहे हे न पाहता फक्त गुणांचा विचार करतात. सर्व पालकांना फक्त सी.ए, डॉक्टर, इंजिनियर एवढेच दिसतात का? त्यांना नाना पाटेकर, लता मंगेशकर, सचिन तेंडुलकर दिसत नाही का? पालकांनी आपल्या मुलांच्या भविष्याचा विचार त्यांच्या साथीने करावा स्वतःच्या आवडीने नाही.

“उदया माझा पेपर आहे, मला त्याची काळजी नाही कारण एक कोरा पेपर माझं आयुष्य ठरवू शकत नाही” - अल्बर्ट आइनस्टाइन

पालकांनी शाळा किंवा महाविद्यालय यामध्ये जाऊन आपल्या मुलांची चौकशी करणे काही चुकीचे नाही. पण या चौकशीत ते एवढेच विचारतात की, माझा मुलगा कोणत्या विषयात कमी आहे? त्याच वर्गात लक्ष असतं का? त्याचे परीक्षेतील गुण एवढे कमी का? कुणीच असं नाही विचारत की, त्याने शाळेच्या कोणत्या स्पर्धेत भाग घेतलाय का? की तो कोणत्या खेळात चांगला आहे? असं का?

पालक आपल्या मुलांना क्लासेस मध्ये टाकतात. कारण त्यांना घरी मुलांचा अभ्यास घेण्यासाठी वेळ नसतो किंवा मुलांचा अभ्यास कळावा एवढं त्यांचे शिक्षण नसतं. मग पालकांना वाटतं एकदा का आपला मुलगा क्लासला जाऊन आला की बरस! तो अभ्यास करून आलाय, आता आम्हांला काळजी करायची गरज नाही. मग एके दिवशी क्लासमधून फोन येतो की, “तुमचा मुलगा/मुलगी काहीच अभ्यास करत नाही. त्यांना शिकवलेलं कळतच नाही. क्लासमध्ये घेतलेल्या पेपर्समध्ये त्यांना कमी गुण आहे” असं कळाल्यावर ते संतापतात आणि मुलांना ओरडतात. पालकांनी मुलांना फक्त अभ्यासाच्या क्लासेसला का टाकलं? गाण्याच्या किंवा इतर ज्यात आवड आहे त्यात का नाही? आणि जरी टाकलं तरी ते त्याकडे कधीच लक्ष देत नाहीत. पालकांनी अभ्यासाबरोबर आवडीचे क्लासकडे पण सारख्याच महत्त्वाने लक्ष दिले पाहिजे. “अ ब क आणि ABC तर शाळेने शिकवले, छंद आणि गोडी तरी पालकांनी जोपासावी”

सचिन तेंडुलकर याला क्रिकेट जगातला देवता म्हटलं जातं. तर सायना नेहवाल हिला बॅडमिंटन या खेळातील भारताची फूलराणी म्हटलं जातं. पण या दोघांच्या आयुष्यातील यशस्वीपण प्राप्त करण्यात फरक आहे.

सचिन हा त्याच्या वयाच्या सोळाव्या वर्षी त्याचा पहिला आंतरराष्ट्रीय सामना खेळला. तो त्याच्या काकीकडे राहत होता. त्याची खेळातील आवड ही त्याच्या आई-वडील यांना न दिसून त्याच्या भावाला समजली. तरीही तो आज क्रिकेट जगाच्या शिखरावर आहे. पण सायनाच तसं नव्हतं. तिचे आई-वडील दोन्ही तिच्या बॅडमिंटनपटू बनवण्याच्या निर्णयावर ठाम व तिच्या सोबत होते. सचिन आणि सायना हे दोघे काही वेगळे नाही पण त्यांची परिस्थिती वेगळी होती. पण जर पालक हे आपल्या मुलाच्या निर्णयासोबत असतील तर ते काहीही करू शकतात. हे सांगणारे अनेक चित्रपट प्रदर्शित झाले आहेत ते म्हणजे उदा - ३ Idiots , तमाशा, इकबाल इत्यादी. आपल्या पालकांनी आपल्या मुलांच्या भविष्याबाबतच्या निर्णयात त्यांच्यासोबत रहावं. जर ते असे नाही करत तर मुलांकडे दोन पर्याय असतात. एक आपल्या आई-वडिलांचे ऐकून मनाविरुद्ध काम करावं नाहीतर त्यांच्या विरुद्ध जाऊन मनाप्रमाणे वागून काही मोठं काम करावं.

“एकच विनंती पालकांना, ऐका आपल्या मुलांचे जग नाहीतर मन जिंकतील सगळ्यांचे”

पालक आपल्या मुलांकडून अनेक अपेक्षा ठेवतात. पण मुलांच्या आपल्या पालकांकडून खूप कमी अपेक्षा असतात.

पालकांनी शाळेत असताना एकदा तरी आपल्या मुलाला विचारावं की आयुष्यात तुला काय बनायचंय? आणि त्या ध्येयाकडे जाण्यासाठी त्या मुलाच्या पाठीशी उभं रहावं. जरी कोणत्या कारणाने तो यशस्वी नाही झाला तरी त्याला अजून काहीतरी करण्यासाठी प्रोत्साहन द्यावं. त्यांच्यावर अभ्यास करण्यासाठी जबरदस्ती करू नये. बस अजून काही नाही. आणि त्यांना बोलायला द्यावं.

“भविष्यात काय होणार हे कुणीच नाही पाहिले मग फक्त अभ्यासामागे जीवन मी उगीच वाहिले? काहीतरी करा आणि बना आपल्या मनाप्रमाणे आई-वडील नेहमीच असतील उभे आपल्यामागे.

Kiran Shamrao Phod
F.Y.J.C. Div: A

यत्र नार्यस्तु पुज्यन्ते (?)

यत्र नार्यस्तु पुज्यन्ते रमन्ते तत्र देवता.

जिथे स्त्रीची पूजा केली जाते, तिला पूजनीय मानले जाते तिथे देवता वास करते. हे झालं आपल्या भारतीय संस्कृतीचं ज्येष्ठता व श्रेष्ठता सांगणारं सुभाषित परंतु हे सुभाषित उच्चारताना प्रत्येक स्त्री व समाजभान असलेल्या प्रत्येक पुरुषाच्या मनात हे प्रश्नचिन्ह नागाच्या फण्यासारखं उभं असतं. आणि आपण देखील ते नाकारू शकत नाही. कारण गेल्या कित्येक शतकांपासून स्त्रीच्या वाट्याला यासारखी अनेक प्रश्नचिन्हे आली आहेत.

या प्रश्नचिन्हांचा मागोवा घेताना खूप वर्षे मागे प्रवास केला तर असे दिसून येते प्राचीन काळी स्त्रीला जरी देवतेचे रूप मानण्यात आले असले तरी कालौघात शतकानुशतकापासून समाजाने स्त्री-पुरुष यांना वर्तनाचे जबाबदारीचे संकेत घालून दिले आहेत. निसर्गाने स्त्रीला शारीरिक शक्ती कमी दिली आहे हे सबळ कारण दाखवित श्रमाची वाटणी करण्यात आली. या वाटणीनुसार स्त्रीच्या शारीरिक शक्तीचे मोजमाप कमी लेखण्यात येऊ लागले. त्यातूनच सशक्त तो पुरुष, अशक्त अबला ती नारी हा अर्थ समाजात रूजू लागला. त्यातूनच रूढार्थाने मानलेली पौरुष ही संकल्पना निर्माण झाली. “गप्प बसा, तुमा बाईमानसाले काई कळतं. का?” असा रोखठोक सवाल विचारण्या इतपत हे पौरुष्य पुरुषमाणसात भिन्नत गेलं.

त्याचप्रमाणे गेल्या कित्येक वर्षांपासून चालत आलेल्या बालविवाह, सतीप्रथा, मुंडन या तर तमाम मानवजातीला काळीमा फासणाऱ्या प्रथा आहेत. त्या बंद करण्यासाठी कित्येक वर्षे झगडावं लागलं. मात्र तरीही आजही आपल्याला वर्तमानपत्रांमधून धार्मिक परंपरा आणि रूढींच्या नावाखाली स्त्रीयांवर झालेल्या अत्याचाराच्या बातम्या वाचावयास मिळतात आणि आपलं मन उद्विग्न होतं.

एकीकडे आज समाज जरी बदलला असला तरी समाजाची स्त्रीबाबतची सामाजिक मानसिकता व समाजव्यवस्था मात्र तशीच आहे. अगदी आपण आज जरी म्हटलं की स्त्री पुरुषाच्या खांदयाला खांदा लावून अर्थार्जन करत आहे, तिने सामाजिक, आर्थिक, राजकीय क्षेत्रात आपल्या कतृत्वाचा ठसा उमटवला आहे. पण तरीही आज २१ व्या शतकात आपल्याला स्त्री-भ्रूण हत्या रोखण्यासाठी कायदा करावा लागतो यासारखं दुसरं दुर्दैव कोणतं?

म्हणूनच मग पुन्हा एकदा जाणीव होते की खरंच यत्र नार्यस्तु पुज्यन्ते?

बरं पूजा आणि आदर तर सोडाचं ती समाजात, नोकरीच्या ठिकाणी अगदी स्वतःच्या घरातही सुरक्षित नाही. तिच्या लैंगिक, आर्थिक, शारीरिक शोषणाचे किती दाखले दयावेत.

१९९२ मधील राजस्थान भंवरी देवी बलात्कार प्रकरण, आग्रा येथील ॲसिड हल्ल्याने उद्ध्वस्त झालेली डॉली, नेपाळहून पळवून आणलेली आणि नंतर वेश्याव्यवसायाला लावलेली तुळसा, मुंब्रा येथील स्वतःच्या मुलीवर बलात्कार करणारे अकबर अली, हुंड्यासाठी अमानुष छळ सहन करणारी ज्योती धवन, के.ई.एम रूग्णालयात मागच्या वर्षीपर्यंत मृत्यूशी झुंज देणारी अरूणा शानबाग, अघोरी एकतर्फी प्रेमाला बळी पडलेली रिकू पाटील, अमृता देशपांडे या आणि अशा असंख्य गुन्ह्याची यादी प्रचंड मोठी आहे.

पण यासारखे अजून कितीतरी गुन्हे घडत असतात ज्यांची नोंदच होत नाही कारण धर्म, नितीमत्ता, पावित्र्य यांच्या काल्पनिक आवरणाखाली तिच्या देहाबरोबर तिच्या मनालाही दडपलं जात. बलात्कार हा स्त्रीवर झालेला शारीरिक हल्ला असून तिच्या स्वातंत्र्यावर व प्रतिष्ठेवर घातलेला घाला आहे असे समजण्या ऐवजी स्त्रीची इज्जत हेच तिचे सर्वस्व असून तिच्या इज्जतीवर घातलेला घाला आहे असे समजले जाते. परिणामी बलात्कारासारखी एखादी घटना जेव्हा एखादया स्त्रीच्या आयुष्यात घडते तेव्हा ती संपूर्ण उद्ध्वस्त होऊन जाते. तिचं संपूर्ण आयुष्य विचित्र नजरा व अवहेलना झेलण्यातच जातं. जो खरा पापी आहे त्याच्याविरूद्ध प्रतिकार करणं. त्याच्यावर बहिष्कार टाकणे, त्याला न्यायालयात उभं करणं, त्याला शिक्षा करणं या घटना हातावर मोजण्या इतक्यासुद्धा नाहीत. असे गुन्हे जेव्हा कायदयाच्या चौकटीत उभे राहतात तेव्हा ते अतिशय विचित्र पद्धतीने हाताळले जातात. मनाच्या चिंधडया उडतील असे असंख्य प्रश्न त्या स्त्रिला विचारले जातात. परिणामी असंख्य आक्रोश शरीरातच चिणले जातात.

राज्य कायदयाचं हवं व्यक्तींच नको ही लोकशाहीची मूलभूत संकल्पना आहे. पण प्रसिद्ध साहित्यिक पु.ल. देशपांडे म्हणतात. त्याप्रमाणे आज राज्य कायदयाच नसून काय दयायचं आणि काय घ्यायचं राज्य आहे. मग याला म्हणावी का नारी पूजा?

आज समाज घडवणारी प्रसारमाध्यमे या स्त्रीची जी प्रतिमा सादर करतात. ती क्वचितच तिच्या वास्तविक जीवनाला स्पर्श करते. तिचं क्षेत्र चूल आणि मूल यांच्यापूरतं मर्यादित आहे हेच बऱ्याचदा अधोरेखित केलं जात.

एकंदरच यत्र नार्यस्तू पूज्यन्ते पासून ते यत्र नार्यस्तू पुज्यन्ते? असा प्रश्नचिन्हापर्यंतचा हा प्रवास. याला जबाबदार कोण? आपली पुरुषप्रधान संस्कृती? आपली समाजव्यवस्था? आपली कायदेव्यवस्था? की स्वतः स्त्रीच? अहं आपण यातला एकच पर्याय निवडू शकत नाही. हे सगळेच घटक स्त्रीच्या स्थानाला धक्का पोहोचवतात. पण मग हे सगळं थांबणार तरी केव्हा? अर्थात हे एक संक्रमण आहे. हे संक्रमण परिक्रमा पूर्ण होणार तरी केव्हा? अर्थात अशा अनेक स्त्रिया आहेत ज्यांनी स्वकृतृत्वाने स्वतःचे स्थान खूप उंचीवर निर्माण केले आहे व या समाजाला स्वतःची पूजा करण्यास भाग पाडले आहे.

सिंधूताई सकपाळ इयत्ता ४ थी पास..... या स्त्रीबद्दल मी काय सांगाव? पण फक्त ४ थी पास स्त्री पूर्ण समाजव्यवस्थेच्या विरोधात गेली आणि स्वतःला सिध्द केलं. यासारखी अनेक उदाहरणे आपल्याला समाजात दिसून येतात.

स्त्री ही दुर्गेचा अवतार आहे हे जसं समाजाला कळणं आवश्यक आहे तसेच ती जाणीव स्त्रीला होणे ही गरजेचे आहे. शेवटी मी एवढेच म्हणेन,

या देवी सर्वभुतेषु बुद्धिरूपेण संस्थिता ।

या देवी सर्वभुतेषु शक्तिरूपेण संस्थिता ।

या देवी सर्वभुतेषु मातृरूपेण संस्थिता ।

नमस्तस्यै ॥ नमस्तस्यै ॥ नमस्तस्यै ॥ नमो नमः ॥

Bhargavi Sudhir Ghogle

F.Y.J.C. Div: G

जलसंधारण काळाजी गरज

रक्ताच्या थेंबापरी मौल्यवान थेंब पाण्याचा। वाचवा वाचवा मौलिक थेंब पाण्याचा।।

पाण्याला जीवन म्हणतात ते अगदी सार्थ आहे. कारण, सजीवांचे जीवन पाण्यावरच तर अवलंबून असते. मानवाची पाण्याची गरज निर्माण झाली ती मानव जातीच्या निर्मितीपासून. फक्त मानवी शरीरालाच नव्हे तर मानवाच्या उत्क्रांतीसाठी, भरभराटीसाठी व प्रगतीसाठी पाणी अत्यंत आवश्यक आहे. या पाण्याचा मुख्य स्रोत म्हणजे पाऊस.

येरे येरे पावसा, तुला देतो पैसा असे म्हणतच आपण लहानाचे मोठे झालेले असतो. खरंच पैसा टाकून पाऊस विकत घेता आला असता तर?

दिवसेंदिवस या पावसाचे प्रमाण कमी होत चालले आहे. तसेच जमिनीवर पडणाऱ्या पाण्याचे योग्य प्रकारे नियोजन न झाल्याने बरेच पाणी वाहून जाते. कमी पाऊस पडणाऱ्या प्रदेशात तर पाण्याचा अपव्यय अनिष्टच होय अमेरिकेतील कॅलिफोर्निया, इस्त्रायलसारखे छोटे देश हे तर अवकर्षणग्रस्त प्रदेश आहेत. तरीही पावसाच्या प्रत्येक थेंबाचा जास्तीत जास्त प्रमाणात कसा वापर करता येईल याचे तंत्रज्ञान येथे विकसित आहे. त्यामानाने महाराष्ट्रात अधिक पाऊस पडतो तरीदेखील दरवर्षी आपल्याला पाण्याचा तुटवडा जाणवतो आणि तोही अगदी उन्हाळ्याच्या सुरवातीपासून.

त्यासाठी आवश्यक आहे ते म्हणजे जलसंधारण, उपलब्ध जलसंपत्तीचे संरक्षण, संवर्धन, विकास आणि तिचे उपयुक्ततापूर्ण व फायदेशीर व्यवस्थापन म्हणजे जलसंधारण. राज्यातील पाण्याची उपलब्धता व वारंवार येणारी दृष्काळसदृश परिस्थिती विचारात घेता जलसंधारणाचा कामास अनन्यसाधारण महत्त्व आहे.

पाण्याची बचत म्हणजेच पाण्याची निर्मिती ही बाब आज सगळ्यांनी लक्षात ठेवायला हवी. म्हणून पाण्याचा अपव्यय न करता, पाण्याचा योग्य वापर होण्यासाठी आज सर्वांनी जलसाक्षर होण्याची गरज आहे. यापुढची युद्ध पाण्यावरून होतील असं भाकीत केलं जातयं या समस्येकडे गांभीर्याने लक्ष द्यायला हवे.

आपल्या देशात पाण्याचा सर्वाधिक वापर शेतीसाठी होतो. मात्र आता शेतीसाठी ठिबक सिंचन किंवा तुषार सिंचन यासारख्या सिंचनाच्या सुविधांमुळे बऱ्याच अंशी पाण्याची बचत होते. शेतीपाठोपाठ उद्योगधंद्यांतही पाण्याचा मोठ्या प्रमाणावर वापर केला जातो. उद्योगधंद्यांसाठी ही वापरात आणलेलं पाणी बहुतांश ठिकाणी जसेच्या तसे नदीच्या पात्रात सोडलं जातं. त्यामुळे रासायनिक प्रक्रियेने दुषित झालेल्या पाण्याचा विपरीत परिणाम आरोग्यावर होतो. परंतु हेच पाणी प्रक्रिया करून उपयोगात आणणे गरजेचे आहे. परंतु यासाठी कराखान्यांनी प्रक्रिया यंत्रणा बसवली पाहिजे.

मराठवाडा नुकताच दुष्काळाने होरपळून निघाला. या आपत्तीने जनतेला बरंच काही शिकवलं. ही आपत्ती मानून अनेक संस्था, संघटना आणि सेवाभावी लोकांनी जलसंधारणाची कामेही केली. परंतु दुष्काळामुळे ऊसाच्या पिकाला फटका बसला. सहाजिकच साखर कारखानेही अडचणीत आले. नॅचरल साखर कारखानाही याला अपवाद नव्हता. परंतु या कारखान्याचे मालक ठोंबरे यांनी जिद्दीने या समस्येवर तोडगा काढला. त्यांनी लोकांना संघटीत करून त्यांना जलसंधारणाचे महत्त्व पटवून दिले. आणि लोकसहभागाने २१ जानेवारी रोजी जलसंधारणाच्या कामास शुभारंभ केला. आणि आता हा प्रकल्प रोल मॉडेल म्हणून पुढे येत आहे.

एकूणच काय तर जलसाक्षर झालो. तर पाण्याच्या नियोजनातून दुष्काळावर मात करता येते. हेच या उदाहरणावरून स्पष्ट होते. प्रत्येकाने जमेल तसे पाणी वाचवलेच पाहिजे. मग ते पाण्यासाठी ग्लासभर घेऊन उरलेलं पाणी फेकून देणे टाळणं असो किंवा गाड्या धुण्याऐवजी गाड्या पुसणे वा भाज्या धुतलेलं पाणी झाडांना घालणे असो. मी पाण्याचा एकही थेंब वाया घालवणार नाही. असा प्रत्येकाचा मंत्र असला पाहिजे. नाहीतर वापरण्याजोग्या प्रत्येक थेंबासाठी पैसे मोजण्याची वेळ येईल किंवा पैसा आहे पण पाणी नाही, अशी वेळ आली तर आपली परिस्थिती.

Water water everywhere but not a drop to drink.

असं म्हणणाऱ्या बोटीवरच्या खलाशासारखी व्हायला वेळ लागणार नाही..... धन्यवाद!!!

वक्तशीरपणा - यशस्वी जीवनाचा मार्ग



कायदा पाळा गतीचाच काळ मागे लागला थांबला तो संपला.

रविकिरण मंडळाचे कवी माधव जुलियन हिंदूपुत्रांना यशाचा खरा अर्थ सांगताना याच ओळीचा वापर करतात आणि स्वतःला लेखिता का बापडे? भ्रांत तुम्हा का पडे? असा वैचारिक प्रश्न विचारतात.

खरंच, परिस्थिती बदलायला एक क्षणही लागत नाही. कुठल्याही क्षणी परिस्थिती संपूर्णपणे वेगळी आणि अनपेक्षित होऊ शकते. अनुकूल परिस्थिती असेल, तर यशाला गवसणी घालायची असेल तर दृष्टिकोन, मेहनत, प्रामाणिक विश्वास यांचबरोबर अत्यंत महत्त्वाचा गुण अंगिकारला पाहिजे आणि तो म्हणजे वक्तशीरपणा.

‘yes, Punctuality is a success of life’; असे उगाचच म्हणत नाही. वेळ, वेळात झालेली गोष्ट यांमुळेच यश साधले जाते. असं जर नसतं तर आपले महाराष्ट्र राज्य, हिंदवी स्वराज्य नव्हे तर भारत देशही स्वतंत्र झाला नसता, राष्ट्रपिता महात्मा गांधींच्या याच गुणांमुळे ब्रिटिश राजवटीत त्यांना great person म्हणून संबोधले जाईल म्हणूनच तर वेळेनुसार चाला, वेळेबरोबर कार्य करा असा संदेश अशोकचक्रातून मिळतो.

वक्तशीर नसलेल्या व्यक्तींचे नुकसान तर होऊ शकतेच, पण त्याचबरोबर पिछेहाट ही होऊ शकते. निसर्गाच्या जीवनचक्रातही या गुणाला महत्त्व आहे. म्हणूनच उत्पत्ती प्रगती आणि लय यांचे चक्र अविरत फिरत असतं. पावसाळा, हिवाळा, उन्हाळा यांचा क्रमवार फेरफटा होतो. सूर्यग्रहणे, चंद्रग्रहणे तर धुमकेतूंचे दिसणे यांनाही वेळेचा नियम दुर्लक्षित करून चालत नाही. बालपण, तरुणपण, म्हातारपण रांगेतच हात पकडून जातात. यातील एकही गोष्ट गाळता अगर टाळता येत नाही आणि तसे झालेच तर ‘everything is stop’ असेच काहीतरी होईल.

भारतरत्न डॉ.बाबासाहेब आंबेडकर, लोकमान्य टिळक, कवीवर्य पद्मश्री कुसुमाग्रज, गॅलिलिओ, धनुर्धारी पार्थ, टेनिसपटू रॉजर फेडरर, ग्रॅंडमास्टर विश्वनाथन आनंद, भारताला चार सुवर्ण पदके मिळवून देणारी धावपटू पी.टी.उषा, आपले दिवंगत माजी राष्ट्रपती ए.पी.जे.अब्दुल कलाम आणि माजी पंतप्रधान मनमोहन सिंग हे सर्व आपापल्या क्षेत्रात दिग्गज ठरतात, ते केवळ वक्तशीरपणामुळेच.

ज्याच्याजवळ या गुणाची कमतरता असते तो अपयशाच्या विळख्यात अडकतो. म्हणूनच पुरेसा फौजफाटा वेळेत उपलब्ध न झाल्याने २६ नोव्हेंबर २००८ ला ६० तास आतंकवादाशी लढा दयावा लागला. भारताला काही अंशी अग्निबाण चाचणीत अपयश आले. वेळेतच संपर्क तुटल्याने कल्पना चावला सारख्या आंतराळवीरांगनेला मुकावे लागले. खरंच वक्तशीरपणा हा गुण अंगी भिनलाच पाहिजे.

म्हणूनच सैनिकी शिक्षणात, सरकारी उपस्थितीत, धार्मिक कार्यात तसेच वैद्यकीय तपासणी व इलाजात या गुणाला महत्त्व आहे. खेळात पारंगत होण्यासाठीही timing ला अनन्यसाधारण महत्त्व आहे. याचसाठी घडयाळाची निर्मिती झाली असावी असे वाटते. कळीचे रूपांतर फुलात होणे हे निसर्गातील सुंदर दृश्य ही हा गुण तंतोतंत पाळतं. म्हणूनच फुलाची आकर्षकता या यशाचे गमक आहे. क्रिकेटविश्वात मास्टर ब्लॉस्टर, माइल्डस्टोन ऑफ रनस अश्या अनेक नावांनी प्रसिद्ध असलेले सर्वात तरुण भारतरत्न श्री. सचिन तेंडूलकर इतके Class का? तो केवळ त्यांच्यातील Human Value मुले आणि त्यातीलच एक गुण Punctuality संत वाड्:मयांनी ही या गुणाचा वारंवार यशाचे गमक म्हणूनच उल्लेख केला आहे.

खरंच, ‘It is punch to our bodygar to reach our success destination’ म्हणूनच म्हणावेसे वाटते.

ज्याच्या अंगी गुण आहे वक्तशीर
तोच आहे यशस्वी जीवनाचा समर्थ वीर.

Mukesh Sadashiv Masurkar

आजच्या मुलांच्या पालकांकडून अपेक्षा...

पालक म्हटले तर घराचा आधारस्तंभ! आपल्याला हे जग दाखवणारे पालकच. प्रत्येक पालकांच्या आपल्या मुलांकडून विविध अपेक्षा असतात. काही पालकांना आपला मुलगा किंवा मुलगी डॉक्टर व्हावी, कलेक्टर व्हावी, असं वाटणं सहाजिकच आहे. आपल्या मुलांनी आपलं नाव समाजात रोशन करावं अशी प्रत्येक पालकांची इच्छा असते. त्यासाठी आई-वडील वाटेल ते काम करतात. अगदी तळहाताच्या फोडाप्रमाणे आपल्या मुलांना वाढवतात.

आई-वडीलांची प्रथम इच्छा /अपेक्षा म्हणजे आपला मुलगा मोठा होऊन आपल्याला विसरणार तर नाही ना याची चिंता त्यांना नेहमी सतावत असेत. आपल्याला म्हातारपणी वृद्धाश्रमात तर नाहीना जावे लागेल याचा घोर लागलेला असतो. उरला प्रश्न आपल्या अपेक्षा पालकांकडून .. आमच्या अपेक्षा खूप लहानग्या आहेत. प्रत्येक मुलांना आईवडील असतातच असं नाही, पण आम्हांला देवाने सर्वात मोठं बक्षिस आई-वडिलांच्या रूपाने दिलं यात आमचं नशीब खूपच चांगलं आहे असे म्हणण्यात काहीच हरकत नाही! जास्तीत जास्त पालक आपल्या मुलांचा प्रवेश इंग्रजी माध्यमात करतात. आजच्या काळात इंग्रजी फार महत्त्वाच आहे हे आम्हांला मान्य आहे. पण कमीत कमी ४ थी पर्यंत तरी किमान आपल्या मातृभाषेत शिक्षण द्यावं ही मोठी अपेक्षा आहे आमची. त्यामुळे आम्हाला आमच्या मातृभाषेचा अभिमान वाटेल. ४ थी पर्यंत तरी आम्ही चांगले गुण मिळवू. जास्तीत जास्त ज्ञान ग्रहण करू. काही पालक मुलांना न विचारता इंग्रजी माध्यमात टाकतात. आज असा नियम निघालाय की ८ वी पर्यंत पास करण्याची. मग तो मुलगा अभ्यास करू वा ना करू. याचा पडसाद आपल्या १० वीच्या बोर्डाच्या परीक्षेत पहावयास मिळतो. पालक खूप मोठे कोचिंग क्लासेस लावतात. खूप पैसे वाया घालवतात. आणि जर चांगले गुण नाही मिळाले तर मुलांना अक्षरशः मारतात. हे खूप चूकीचे आहे. एखाद्याची जर इच्छाच नसेल इंग्रजीतून शिकण्याची तरीही जबरदस्ती पालक करतात. आपल्या मेंदूर सारखाच इंग्रजी शब्दांचा मारा झाला, आणि त्यातलं आपल्याला काहीच कळत नसेल तर त्या इंग्रजीचा काय फायदा. त्यामुळे मुलांना त्यांच्या आवडीनुसार शिक्षण घेण्यास पालकांनीही सहमती द्यावी. असं आजच्या युवापीढीला वाटतं.

सर्वात मोठा प्रश्न तर शिक्षण निवडण्याचा सायन्स, कॉमर्स का आर्ट्स! आपल्या मुलांनी सायन्सच घ्यावं आणि इंजिनियरिंग व्हावं अशी ताकीदच दिली असते मुलांना. जर एखाद्या मुलाला कॉमर्स घ्यावं असं वाटलं तरीही पालकांच्या दबावाखाली आखीर मन मारून सायन्सच घ्यावं लागतं. त्यामुळे त्याच्या जीवनातला सारा आनंदच पालक हिसकावून घेतात. त्यामुळे मुलं आत्महत्या देखील करतात. पालकांनी देखील मुलांच्या भावना समजून घेऊनच पुढचं पाऊल उचललं पाहिजे. नंतर पश्चात्ताप होण्याआधी अगोदरच मुलांना स्वातंत्र्य दिलं तर मुलं देखील हे ज्ञान आत्मसात करतील.

आज गल्लोगल्ली प्रत्येक जण मला सचिन तेंडुलकर व्हायचं आहे असा विचार करतात. पण प्रत्येकाला तसं होता येईलच असं नाही. शेवटी प्रत्यक्षात परमेश्वर. मेहनत आणि कष्ट ह्या दोन गोष्टीच सर्वात महत्त्वाच्या आहेत. म्हणूनच तर सिकंदराने संपूर्ण जग जिंकलं होतं. या राजाने तर मेहनतीचे उदाहरणच जगासमोर ठेवलं. याचा आदर्श घेऊनच प्रत्येक मुलांनी आयुष्यात खूप मोठं व्हावं, हेदेखील तितकच महत्त्वाच आहे. पालकांनी सुद्धा आपल्या मुलांच्या स्वप्नांची कदर, आदर करायला पाहिजे. तेव्हाच आपला भारत पुढे जाईल. कारण आम्हीच या जगाची **Next Generation** (पुढची पिढी) आहोत.

जशा पालकांच्या मुलांकडून अपेक्षा असतात. तशा मुलांच्या देखील असतात. आता सर्वांना वेड लागलंय ते प्रेमाचं. आज जिथ तिथं बघाव तर प्रेमच. मुलं, मुली प्रेम करतात. पळून जाऊन लग्न करतात. हे कितपत चांगलं आहे? आईवडिलांनी देखील मुलांच्या भविष्याचा विचार करावा. म्हणजे आपल्या मुला-मुलींना लग्नासाठी परवानगी दिली तर पळून जाऊन लग्न करण्याचा प्रश्नच नाही येत. जात-पात कोणी बनवलीय? आपल्या सारख्या माणसांनीच ना! आपण सर्व भारतीय आहोत यापलीकडे आपली दुसरी जातच नाही हा विचार देखील पालकांनी करावा. पालकांना वाटतंच आपल्या मुलांनी आपली मान शरमेने न झुकवावी. त्यासाठी प्रत्येक पालकांचं पालकांनी म्हणणं नीट समजून घेऊनच पुढचा निर्णय घ्यावा असं आम्हां सर्वांना, तरुण-पिढीला वाटतं.

प्रत्येक पालकांनी आपल्या मुलांवर थोडा तरी विश्वास दाखवून त्यांच पहिलं म्हणणं ऐकून त्यांची स्वप्न पाहून त्यांना मार्गदर्शन करावं. शेवटी मुलं आपल्या पालकांचेच अनुकरण करत असतात. मुलं देवाघरची फूलं ! आई आणि वडील हेच आम्हाला जन्म देतात त्यांच्या अपेक्षा पूर्ण करणं हे आमचं कर्तव्यच आहे. आम्ही आजची तरुण पिढी वचन देतो की आम्ही आमच्या भारताला जगातला सर्वात विकसित देश बनवू!

अस्मिता

दरवर्षीप्रमाणे याही वर्षी अस्मिता २०१५ ची सुरुवात अस्मिताच्या आगमन महोत्सवाने झाली. २७ नोव्हेंबर २०१५ रोजी अस्मिता आगमन सोहळा दुपारी १ वाजून १० मिनिटांनी सुरू झाला. प्रा. डॉ. विजय जोशी सरांनी अस्मिता साठी मार्गदर्शन करत असताना त्यांनी कार्यकर्त्यांना प्रोत्साहन ही दिले.

अस्मिता मध्ये होणाऱ्या वेगवेगळ्या कार्यक्रमांची झलक त्यात दाखवण्यात आली. आणि अशाप्रकारे अस्मिताच्या कामाला सुरुवात झाली. २,३,४ डिसेंबर रोजी डॉ. अब्दुल कलामांच्या कार्याला सलाम म्हणून गरीब आणि तळागाळातल्या आदिवासी पाडयात्याल मुलांना शिक्षणोपयोगी वस्तू दान व्हावयात ही संकल्पना त्यामागे होती. २ डिसेंबरला सकाळी ९.३० वाचता प्रा.डॉ. विजय जोशी सरांच्या हस्ते दीपप्रज्वलन झाले. त्यांनी उपक्रमांना शुभेच्छा दिल्या आणि उपक्रमाला सुरुवात झाली. उपक्रमाला विद्यार्थ्यांचा उत्स्फूर्त प्रतिसाद लाभला.

अस्मिताची बाद फेरी ही १२ व १४ डिसेंबर ला झाली. स्पर्धकांनी आपले कार्यक्रम परीक्षकांसमोर सादर केले. सर्व स्पर्धा यादरम्यान घेतल्या गेल्या.

यादरम्यान अस्मिता चे प्रायोजक भारतीय डाक ने आपल्या फिलोटेलीचा उपक्रम प्रदर्शित केला ज्याला चांगला प्रतिसाद लाभला. लोकांना पोस्टाच्या तिकिटावर आपला फोटो यावा अशी उत्सुकता आणि कुतूहल दिसून आल.

आणि पाहता पाहता अस्मिताच्या मुख्य सोहळ्याचा दिवस उजाडला. क जे सोमैया विज्ञान आणि वाणिज्य महाविद्यालयात १८ आणि १९ डिसेंबर रोजी अस्मिता २०१५ हा महोत्सव पार पडला. गेली २४ वर्षे हा महोत्सव सोमैया मध्ये होत आहे.

१८ तारखेला प्राचार्य. डॉ. विजय जोशी यांच्या हातून दीपप्रज्वलन झाले आणि कार्यक्रमाला सुरुवात झाली. सरांनी मार्गदर्शनपर शब्द सांगताना अस्मिता कार्यकर्त्यांना प्रोत्साहन दिले. संस्कृती जपा हा गुरुमंत्र त्यांनी दिला.

नृत्य गायन समुहनृत्य लावणी स्पर्धा वक्तृत्व निबंधलेखन कवितालेखन कवितावाचन एकपात्री अभिनय इत्यादी स्पर्धांची अंतिम फेरी १८ तारखेला पार पडली...

तसेच लघुकिका आणि एकांकिका सुद्धा सादर करण्यात आल्या...युवा महोत्सवात उत्तेजनार्थ पारितोषिक मिळवलेल्या लग्नाला चला ही लघुकिका सादर झाली ज्याला प्रेक्षकांची उत्स्फूर्त प्रतिसाद लाभला.

तसेच आय.एन.टी. आणि लोकांकिका स्पर्धेमध्ये सर्वांचे लक्ष वेधून घेणारी शिकस्ते ईशक ही एकांकिका सादर झाली. प्रेक्षकांच्या विशेष पसंतीस ही एकांकिका उतरली. प्रेक्षकांच्या डोळ्यांच्या कडा ओलावल्या होत्या. या एकांकिने पहिल्या दिवसाचा कार्यक्रम संपला.

गायन स्पर्धेने १९ तारखेची सुरुवात झाली त्यानंतर सर्वांचे आकर्षण असलेले वाद्यवृंदाचा कार्यक्रम सुरू झाला. वाद्यवृंदाने रंगमंचाचा तात्रा घेतल्यावर प्रेक्षकांचा एकच जल्लोष सुरू झाला. वाद्यवृंदाच्या साथीला होणाऱ्या नृत्यांनी बहार आणली.

वाद्यवृंदा नंतर प्रमुख पाहुण्यांची मुलाखत घेतली. प्रसिध्द दिग्दर्शक लेखक व अभिनेते संतोष पवार हे प्रमुख पाहुणे म्हणून उपस्थित होते. राहुल पवार व राहुल महांगरे यांनी त्यांची मुलाखत घेतली. त्यातुनच तुम्हाला स्वतःमध्ये सुधारणा करता येतील असे म्हटले. सर्व स्पर्धांचा बक्षीस समारंभ मुलाखतीनंतर पार पडला. संतोष पवार यांच्या हस्ते पारितोषक वितरण सोहळा पार पडला.

अशा रितीने अस्मिताचा सोहळा पार पडला. बोला पुंडलिकच्या गजरात सर्व कार्यकर्त्यांनी पुढच्या वर्षी पुन्हा हा सोहळा तुमच्या भेटीस आणू असे वचन देऊन कार्यक्रमाची सांगता झाली.

समजणे..

त्या नभाच्या इंद्रधनुतील
रंग तुला मी मानले,
अस्तणाच्या रवि किरणाच्या
रंग छटा तुज मानले ॥१॥

उसळणारी जर लाट मी
तर तुज किनारा मानले,
मोरपंखी या स्पर्शातील,
तुज शहारा मानले ॥२॥

मैफलीच्या गायनातील
स्वर तुला मी मानले,
वादनाच्या सप्तकातील सूर
तुला मी मानले ॥३॥

कालिदासी काव्य अन्
तुझ्यातील गडकरी अजमावले,
चंडीकेचे रूप अन्
ते बंड ही मी जाणले ॥४॥

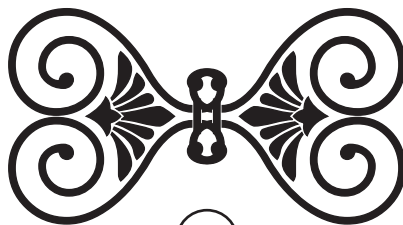
अर्जुनाच्या सारथ्याचे
शब्द ही तुज मानले,
सांग किती अन् काय
समजायचे तुज राहिले? ॥५॥

Tanmay T. Kuleskar

ती!

नसते सोपे स्त्रीचे जगणे,
एक कुटुंब तिलाच असते वागवणे,
जरी घर असले चालवले कमी खर्चात,
तरी येऊ नाही देत घराची आब्रू जगाच्या चर्चेत.
जरी कमवतो पुरुष, स्त्रीच्या खूप काही असते हातात
होऊ शकते बदनाम किंवा करू शकते रोशन
नाव घराचे या जगात.
त्या च्या संगतीने ती ही चालू शकते.
खांदयाला लावून खांदा,
फक्त तिला हवा असतो विश्वास आणि
दृढ भक्कम बांधा
तो आहे तुमच्या वंशाचा दिवा,
म्हणूनच कुळ चालवायला तो हवा
जरा जपा तिला वंशाची समई म्हणून
होतो तीनदा जन्म हा स्त्रीचा
तुम्हांला ठाऊक असेल फक्त एकच जन्म स्त्रीचा
अपुणे पडू नका तिच्या बदलत्या ज्ञानात
खूप गहन आणि गरजेचे आहे समजणे
तिला घ्या लक्षात.
परमेश्वराचा आशीर्वाद आहे ती,
प्रेमाचे वर्चस्व आहे ती
जन्म होतात तिचे लेक पत्नी व आई म्हणून
समजून घ्या तिला एक स्त्री म्हणून!

Vinanti Makasare



कारं पावसा? ..

म्हणत्यात तुला जीवन, हायस तू महान
कारं तू हुतूस पेरणीवेळी गहाण.
आरं नसला जरी तू, कसंबसं आम्ही पिकवतू
तोंडाजवळ आलेला घास कारं तू नेतूस?
कारं पावसा व्हत्याचं नव्हतं करतूस?

तहान भागवतूस हायस वरूण राजा तू,
अवेळीच बरसून कारं हाल करतूस तू?
सावकाराच्या कर्जाखाली आधीच बघ मरतूय,
कारं पावसा व्हत्याचं नव्हतं करतूस?

कर्णीपाई तुझ्या शिवार आखं गेल,
नुसताच पंचनामा होतोय, भरपाईला कायचं नाय आलं.
भ्रष्टाचारी सरकार घेतय नुसतं भेट
मदत तर होत नाय मग कशापायी खेळ करतूस?
कारं पावसा व्हत्याचं नव्हतं करतूस?

Aakash B Kashid
SYJC. A Roll No. 1089



पंचनामा

लटकलेल्या प्रेतांचा पंचनामा होत आहे,
वाळलेल्या शिवाराचा पंचनामा होत आहे.
कोरड्याच विहीरी अन् सावकार दारी,
पुसलेल्या कुंकवाचा पंचनामा होत आहे.

आधी दुष्काळ झाला, मग गारपीट आली,
अवकाळी पावसाचा पंचनामा होत आहे.
पोटच्या पोरासारख्या जोपासलेल्या बागा,
झाला चिखल त्यांचा पंचनामा होत आहे.

मंत्र्यांना पाहिजे टॉवरमधील शॉवर,
प्यायला पाणी नाही पंचनामा होत आहे.
चर्चा बऱ्याच झाल्या हातात दमडी नाही,
वांझोटया घोषणांचा पंचनामा होत आहे.

कसली तुम्हांस घाई, पॅकेजच्या घोषणेची
मरू दया अजून थोडा पंचनामा होत आहे.

Aakash B Kashid
SYJC. A Roll No. 1089

दुष्काळ

जळून आली माती
दुर दुर दिसतात काळोखाच्या राती ।
अंधारल्या दाही दिशा
या दुष्काळातून वाटा काढाव्या कशा
नाही भुईवरती तो मातीचा सुगंध ।
जसे वाटे व्हावे या मातीत बेधुंद
नाही राहिला मातीला तो प्रेमळ वास ।
या मातीवर अश्रू गाळून बळीराजा घेतो फास ।।
आठवते पूर्वीची ती सुगी
ना तोटा होता पाण्याचा ना अन्नाचा
वाटे प्रत्येक दिवस होता सणाचा
अश्रू गाळले रडलो किती
नाही अजुन आशीर्वाद वरूण राजाचा
एक एक थेंब अश्रू निघतो बळीराजाच्या काळजाचा ।
या मातीतच जगणार आणि मरणार
शेवटच्या श्वासापर्यंत हिमतीने या दुष्काळाशी लढणारं ।।

Pralahad P Patil
SYJC. B

आई म्हणजे आई असते



आई म्हणजे आई असते
सदैव दरवळणारी जाई असते
आई असते पहिली शाळा
धडा देते जगावेगळा
आई म्हणजे असतो लव्हाळा
असतो एक मूर्तिमंत जिह्वाळा
आई म्हणजे अथांग सागर असते
अखंड करूणेचे आगर असते.
आई म्हणजे एक घर असते.
ऊन-पावसाची श्रावण सर असते
साऱ्यानांच ती हवी असते
आई म्हणजे अंगाई गीत असते.
ते एक जीवन संगीत असते.
शब्दाच्याही पलीकडे बरेच काही असते
आई म्हणजे आई असते.

Rohit Kamble
FYJBS.

शिक्षक



शिक्षक आणि शत्रू दोघांचीही सुरूवात श ने
शिक्षक आणि शत्रू दोघांचीही सुरूवात श ने पण
एक जीव घेणारा तर दुसरा जगायला शिकवणारा
शिक्षक म्हणजे घरातील संगणकासारखा
शिक्षक म्हणजे घरातील संगणकासारखा पण
एक विचारल्यावर तर दुसरा न विचारता सांगणारा
शिक्षक म्हणजे हवेत उडणाऱ्या पक्ष्यासारखा
शिक्षक म्हणजे हवेत उडणाऱ्या पक्ष्यासारखा पण
एक अन्नासाठी तर दुसरा ज्ञान पुरवण्यासाठी झटणारा

Kiran S Phad
Roll No. 8087

मैत्री

आयुष्य म्हणजे आई-वडील, नातेवाईक, बायको
मुलं बाळ यांनी भरलेले असतात हृदयाचे कप्पे पण ते हृदय
चालते ते मित्रांमुळे ते म्हणजे त्या हृदयाचे ठोके
आयुष्य म्हणजे प्रेम, निष्ठा, कर्तव्य आणि जबाबदारी
पण त्यातला एक आनंदाचा क्षण म्हणजे मित्रांची दुनियादारी
कोणी बोलतो दोस्ती, मैत्री तर कोणी बोलतो यारी
म्हणून या मित्रांची दुनिया वेगळीच असेत सारी
डब्बा आणला नाही म्हणून स्वतःचा डब्बा देणार
अखव जग जरी असलं विरुद्ध तरी आपल्या सोबत
असणार
जीवनात सुख येऊ दे की दुःख येऊ दे
पण नेहमी मनाला एक असते खात्री
कारण सोबत असते. प्रत्येक सुखदुःखात सामील होणारी
एकमेव मैत्री
मैत्री म्हणजे जगणे मैत्री म्हणजे श्वास
जर तोडाल खरी मैत्री तर जिवंतपणी
तोंड दयावे लागेल मरणास
मैत्री विना आयुष्याला उरत नाही काहीच अर्थ
जर टिकवाल जिवाला जीव देणारे
तरच होईल आयुष्याचे सार्थक

Sahil Talwatkar
FYJC.



वृन्राणी...

तुझ्या छटा तुझ्या बटा, सखे तुला चितारतो
तुला न सांगता तुझ्या, रूपास रोज पाहतो

सखे कसा मिळेल सांग, मुक्त मोकळेपणा
मनात व्यापला असे, तुझाच गोड चेहरा

वनी तुझ्या विहारतो, मनी मनी मधाळतो
मनातल्या तुझ्या रूपास भावबंध जोडितो

तुझ्यात मी वनात मी मनात रोज गुंततो
तुला न सांगता तुझ्या, रूपास रोज पाहतो.

जितेंद्र पेंढरकर
Dept. of Physics



पसायदान एक अभ्यास



जगद्माऊली संत श्री ज्ञानेश्वर महाराजांचे पसायदान हे माणसातील देवत्वाचे, धर्मशीलतेचे उद्गान आहे. माणसाला चिरंजीव करणारे आनंदनिधान आहे. पसायदान हे श्री ज्ञानेश्वर महाराजांचे भव्य स्वप्न आहे.

पसायदानात श्रीज्ञानेश्वर महाराजांनी विश्वाचे मांगल्य व सर्व मानवांना सुख प्राप्त व्हावे असे प्रार्थिले आहे.

मानवी मनांत पावित्र्य प्रेम निर्माण व्हावे, मानवाला सामर्थ्य लाभावे, म्हणून श्री ज्ञानेश्वर महाराजांनी परमेश्वराची प्रार्थना केली. पसायदान मागितले. हे पसायदान म्हणजे माणुसकीचे अधिष्ठान आहे. माणसाला श्रेष्ठत्व प्राप्त करून देणारे सामर्थ्य या पसायदानात आहे.

श्री ज्ञानेश्वर महाराजांचे परमात्म्याकडे मागणे आहे की, सर्व त्रैलोक्य सुखाने पूर्ण होऊन सर्वांना ईश्वराची अखंड भक्ति करण्याची इच्छा होवो. पसायदानातील ही अध्यात्मिकता आहे. पसायदानाने मानी मनाला सौंदर्य दिले. समृद्धी दिली. सांस्कृतिक श्रीमंती दिली. उत्कर्षाचे थोर विचार दिले. आणि मानवी जीवनाला मांगल्याची, पावित्र्याची जोड देऊन पुढे नेले. मानवी मनातील स्वार्थ, अहंकार नाहिसा करून मन सुयोग्य मार्गाकडे वळविले. मनाचा विकास केला. स्वतःचे सुख इतरांच्या सुखात पहावे अशी उदात्त शिकवण दिली. या विचारातूनच भारतीय संस्कृतीचा उदय झाला आहे. या तत्त्वज्ञानामधून या संस्कृतीने भारताला देशपणाचा साज चढविण्याची उत्कृष्ट कामगिरी बजावली आहे. याच काव्यात्मक तत्त्वज्ञानाने भारतीयांची शक्ती प्रखर तेजाने तळपून सामर्थ्यशाली बनली आहे.

श्री ज्ञानेश्वर महाराजांच्या या पसायदानाने संसारातील विविध दुःखांनी पिडलेल्यांना फार मोठा आधार दिला आहे. त्यांना धर्माचरणाचे निष्काम कर्मयोगी स्वरूप सांगून, त्यांच्यात परमात्म्याची अखंड भक्ती करण्याची ओढ निर्माण केली आहे. संसारातील तापानी होरपळणाऱ्या, गांजलेल्या, रंजलेल्या जिवांना परमेश्वर भक्ती हेच विसाव्याचे साधन असल्याची भागवत धर्माची शिकवण श्री ज्ञानेश्वर महाराजांनी पुढे चालू ठेवली आणि भक्तजन त्याच मार्गाने पुढे चालत गेले, सुखी झाले.

मनाला जेव्हा पराजयांचे, अपयशाचे तडाखे बसू लागतात तेव्हा पसायदान म्हणावे, त्यामुळे हिंमत खचली जात नाही. मनाची वृत्ती धेयनिष्ठ ठेवण्याच कार्य हे पसायदान करते. पसायदान म्हणतांना मन श्रद्धा भक्तिभावाने आनंदमय सुखाने लोभावते. सर्वत्र सुखिनः सन्तु सर्वे सन्तु निरामयाः। सर्व भद्राणि पश्यन्तु मा कश्चिद दुःखमाप्नुयात्। पसायदानाचे देखील हेच सार आहे.

जगात सज्जन, परोपकारी, ईश्वरनिष्ठ लोक जेव्हा सुखासमाधानाने नांदू लागतील तेव्हाच जगाची स्थिती उत्तम राहिल. आसुरी प्रवृत्तीचे लोक वाढले तर ते स्वार्थाने सज्जनांचा छळ करतील. म्हणून दुष्ट प्रवृत्तीच्या लोकांच्या मनात बदल घडवून आणला तरच सज्जनांचे रक्षण होईल. अशी या पसायदानाने नवी दृष्टी दिली. नवे विचार दिले. नवे चैतन्य दिले. नवे नेतृत्व दिले. पातकरूपी अंधार नष्ट करण्याचे सामर्थ्य, ती महानता या पसायदानात आहे. परमात्म्याने आपणा सर्वांना सांभाळून आनंदनिधान होवो. असा प्रसाद त्यांनी विश्वात्मकाजवळ मागितला. त्यांच्या मातृवत्सल हृदयातूनच या पसायदानाचा उगम झाला आहे.

दुष्ट लोकांचा दुष्टपणा जावो, खलांच्या, दुर्जनांच्या दुष्टतेचा मोड होवो, प्राणिमात्रांची एकमेकांशी मैत्री जडो ही मागणी माणुसकीची जाणीव ठेवूनच केली आहे. दुष्टांचा नाश न करता त्यांच्यातील दुष्टावा जाऊन ऐक्यभावाचे मित्रत्व निर्माण होवो. त्यायोगे उत्कृष्ट समाज निर्माण होईल असा त्यामागील उद्देश आहे.

प्रेम, क्षमा, शांती यांच्या माध्यमातूनच जग बदलता येते. आणि म्हणूनच पसायदानाद्वारे मानवी मनांत अस्मितेचा आत्मज्ञानदीप प्रज्वलित केला आहे. जीवनात आनंद कसा लाभेल म्हणून त्यांनी हे अमृतज्ञान सामान्यांना दिले. खरंच, पसायदान हे अद्वैत असे नितिशास्त्र आहे. आनंदमय अनुभूती प्राप्त करून देणारे अभिनव तत्वज्ञान आहे. जनकल्याण व लोकजागृतीचे ते प्रगटन आहे.

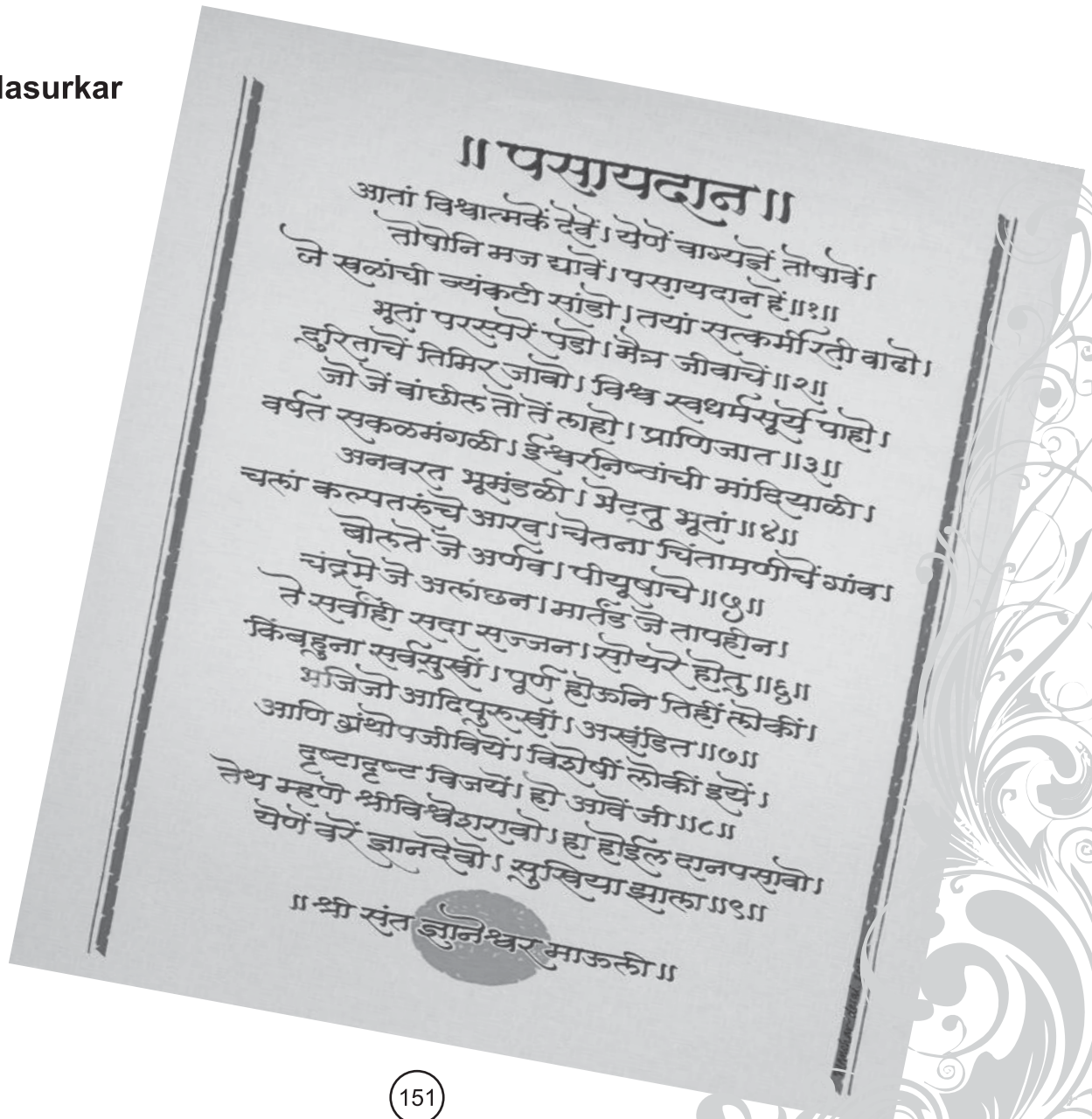
माणूस अधिकाधिक सुखसंपन्न व्हावा, समृद्ध बनावा आधीव्याधीच्या भोवऱ्यात सापडलेल्या संतस्त दुर्देवी माणसाला मानसिक शांती व तृप्ती लाभावी हाच ध्यास दिसतो. विश्वबंधूत्वाची शिकवण सर्व सामान्यांना देऊन मानवी जीवनाला उत्कर्षाच्या शिखरावर नेले. सर्वात्मक ईश्वराचा साक्षात्कार त्यांनी सर्वांना करून दिला.

हे पसायदान काव्यप्रतिभेचे सुंदर लेणे आहे. भारतीयांच्या मनाची संपदा, धनदा आहे. सत्संगाची रति वाढो, ईश्वरनिष्ठांची मांदियाळी अनवरत भेटतु आणि सज्जन सोयरे होतू हेच या प्रसाद याचनेतील मुख्य मागणे आहे.

म्हणूनच तर बघा ना! संत श्री निवृत्तीनाथ या आपल्या गुरूंनी दान पसावो अशा आशीर्वादाने संत ज्ञानेश्वर सुखी झाले. हाच तर गुरू-शिष्याची अतूट नात्यांतील गोडवा आहे. यासाठीच लिहावे वाटते...

स्वामी तिन्ही जगाचा, गुरूविना भिकारी

Mukesh Masurkar

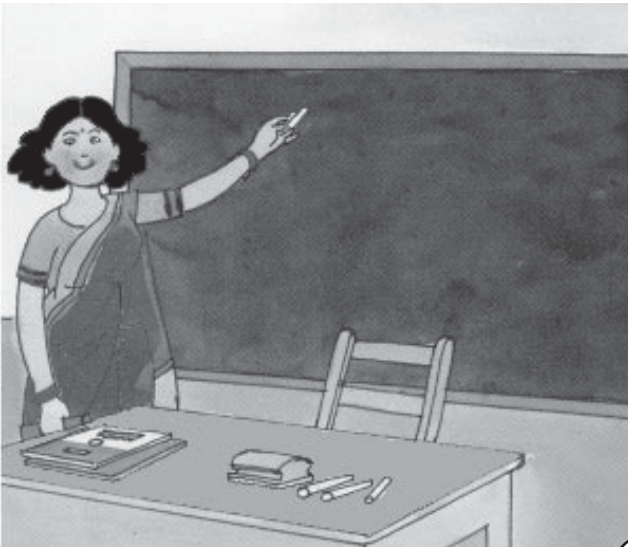


शिक्षक का सम्मान

‘सम्मान’ बड़ी अजीब सी शक्ति है इस शब्द में पहले के युग में यह मूल्यवान शब्द उन्हीं के पास होता था जो सच में सम्मान के लायक थे। और सबसे पहले इस सम्मान के हकदार हमारे गुरु हमारे शिक्षक हुआ करते थे। परंतु आज सम्मान की जगह बदल दी गई है आज सम्मान उन वस्तुओं का उन लोगों का होता है जिन्हें सम्मान कभी नहीं देना चाहिए। आज हम सम्मान देते हैं सोशल मिडीया की साइट्स को, झूठे सपने दिखाकर वोट मांगने वाले नेताओं को और न जाने कितनी बेकार की चीजों को, लेकिन हमने उन्हें सम्मान देना कम कर दिया है जो सम्मान के लिए ही बने हैं यह वही है और जिनके बारे में मैं ऊपर लिख चुकी हूँ यह हैं हमारे शिक्षक विद्या की राह को पार कराने में हमारी सहायता करने वाले, हमें सीधा रास्ता बताने वाले। और हम बजाए उनको सम्मान देने के अलावा इनका अपमान करते हैं।

अब आप सोचोगे अपमान? कैसा अपमान? मैं बताती हूँ पिछले कुछ दिनों पहले की बात है मैं एक विद्यालय के सामने से जा रही थी अचानक कुछ देखकर मेरे कदम रुक गए। मैंने देखा एक क्लासरूम के बाहर कुछ बच्चे दंड (सजा) में खड़े थे और उनके शिक्षक उन्हें डाँट रहे थे। परन्तु वह विद्यार्थी बजाये सर झुकाकर खड़े रहने के अपने शिक्षक की आँखों में आँखें डालकर ऐसा देख रहे थे जैसे एक खतरनाक मूजरीम अदालत में अपने गुनाह बताने वाले वकील की तरफ। कोई कैसे अपने शिक्षक के सामने इस तरह खड़ा हो सकता है। शिक्षक का सम्मान ऐसा होना चाहिये कि उनकी आँखों में आँख मिलाकर बात करने की हिम्मत न हो। इसलिए नहीं कि हमें डर लगता है बल्कि यह तो हमारे शिक्षक का सम्मान है। मुझे यह लगता है कि अभी तक यह लोग शिक्षक के सम्मान को समझ न सके कि वह क्या है। शिक्षक कैसे होते हैं एक बार मन से सोचोगे तो पता चलेगा वह क्या है।

शिक्षक वह है जिसे अपने बच्चों से ज्यादा अपने विद्यार्थियों के पास होने की खुशी होती है। शिक्षक वह हैं जो अपना पढ़ाने का समय खत्म होने के बाद यह दो तीन प्रश्न करना नहीं भूलते के हैं ‘मैं ने आज जो पढ़ाया वह समझाना? नहीं समझा तो दुबारा समझा देना। कोई बात ऐसी है जो नहीं समझी? फिर आखिर में कहते हैं कुछ भी ना समझे तो मेरे पास आ जाना, मैं वैयक्तिक समझाऊंगी’ उनकी यह बातें सुनकर बड़ा अच्छा लगता है। अब आप ही बताओ ऐसे शिक्षकों का सम्मान कौन ना करे। समझ नहीं आता की आज की पीढ़ी इनका अपमान कैसे करते हैं। लगता है इन्हें शिक्षक प्रेम और विद्या के ग्रंथ को समझने में बहुत वक्त लगेगा परंतु ज्यादा वक्त लगने पर पछताना भी पड़ सकता है। क्योंकि जो शिक्षक को नहीं समझता जो शिक्षक का सम्मान नहीं करता शिक्षा उससे हमेशा दूर भागती है। और जो शिक्षक का सम्मान करता है वह ज्ञान के सहारे हर पा लेते हैं।



Baig Zeennira Zapar
FYBSC

शिक्षा

वह चाँद है, सूरज भी
और इन दोनों से ज्यादा रोशन भी।
वह आसमान है और जमीन भी
और इन्हीं में है वह बसी हुई।
वह ग्रंथ है, किताब भी
और इन्हीं में है वह लिखी हुई।
वह रास्ता है और मंजिल भी
और उसके चाहने वालों को मिली भी।
यह शिक्षा है यारो, विद्या भी
और हर बोलियों में ढली हुई।
पढ़ोगे दिल से तो समझेगी तुम्हें भी
सिखोगे दिल से तो मिलेगी तुम्हें भी।

Baig Zeennira Zapar
FYBSC

॥ पितृदेवोभव ॥

पिता जीवन है, संबल है, शक्ति है,
पिता सुप्ति के निर्माण की अभिव्यक्ति है
पिता ऊंगली पकड़े बच्चे का सहारा है
पिता कभी खटा कभी खारा है
पिता पालन है, पोषण है परिवार का
अनुशासन है,
पिता धौंस से चलने वाला प्रेम का प्रशासन है,
पिता रोटी है, कपड़ा है, मकान है
पिता का अपमान नहीं उनका अभिमान करो
क्यों की माँ बाप की कमी को कोई बाँट नहीं
सकता और ईश्वर भी उनके आशीषों को काट
नहीं सकता ॥

Karishma D. Shah
SY BAF

पुष्प



कितनी प्यारी हो तुम।
पाती सबसे प्रीत सदा तुम।

भौरे गुँज कर, मधु चुराते।
माली गुंज कर, तुम्हें चुराते ॥

मिले क्यों न, बागों में तुम।
तुम्हारे लिए सभी, तैयार हैं श्याम ॥

कभी दिखे तुम, भगवन के चरण में।
तो कभी दिखे, मृत सइया के गले में ॥

अगर मिले तुम, दिखो तुम सभी के संग।
गोकुल में खेले भी, श्रीहरि के संग ॥

ओ प्रकृति भी क्या, जिसमें तुम न हो।
ओ पुजा भी क्या, जो तुम्हारे बिना हो ॥

भारत का पुष्प, तुम्हारा ही एक प्रकार है।
शान बचाने वाले, शहीदों के चरण तुम्हारा ही आधार है ॥

इस जग में कोई नहीं देता, कीचड़ को मान।
लेकिन तुम्हारा ही एक प्रिय, बढ़ाता कीचड़ की शान ॥

Chandan Yadav
FYBSC

कौन कहता है

मैं हिंदु हूँ, मैं ईसाई हूँ
मैं मुस्लिम हूँ, कौन कहता है।
उसका खाना, उसका पीना
बिल्कुल अलग है, कौन कहता है।।

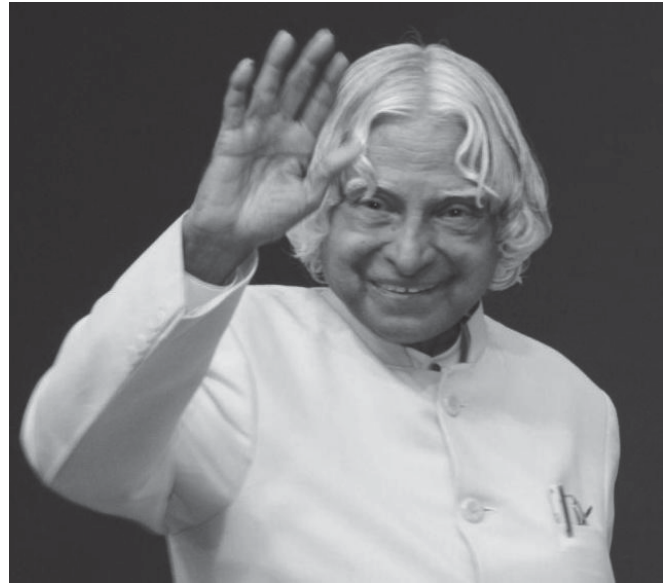
ये उसका मंदिर, ये उसका मस्जिद
ये मेरा चर्च,
अलग है, हम
सब एक नहीं है, हम सब
अलग है, कौन कहता है।

ये उसकी होली है, ये उसकी ईद है
और ये मेरा क्रिसमस है,
हमारे पर्व अलग है,
हम सब अलग है, कौन कहता है।

मैं उँच हूँ, ओ नीच है
ओ हमें नहीं छू सकता, ओ
गंदगी का है, मैं महल
का हूँ, कौन कहता है।

हम सब एक है, हमारे
पर्व समान है, ईश्वर ने
केवल इन्सान बनाया, ईश्वर किसी
को कम, किसी को ज्यादा खिलाता है
मगर भूखा कभी किसी को नहीं सुलाता
मैं कहता हूँ, मैं कहता हूँ।।

Chandan Yadav -
FYBSC



ए.पी.जे अब्दुल कलाम

सैकड़ों जन्में इस देश में महान लोग,
उन में से थे एक थे अब्दुल कलाम।

क्या खूब थे वे, क्या व्यक्तित्व था उनका,
जो भी उन से मिला धन्य हो गया।

भारत के विज्ञान, साहित्य क्षेत्र में खूब रहा उनका योगदान,
देश के विकास के लिए खूब किया उन्होंने काम।

रहन-सहन से अलग थे कलाम,
पद की गरिमा का ना था उनको अभिमान।

इग्नाइटेड माइंड रचके बाँटा अपना ज्ञान,
राष्ट्रपति बनकर विश्व में बढ़ाया देश का अभिमान।

सच उनके जैसे ना कोई था, ना कोई होगा,
पूरे भारत की तरफ से करती हूँ मैं उनको प्रणाम
करती हूँ मैं उनको प्रणाम....।।

Shweta Shukla
Div D

साहित्य परिसभा

वार्षिक रिपोर्ट २०१५-१६

के.जे.सोमैया विज्ञान एवं वाणिज्य महाविद्यालय में सक्रिय साहित्य परिसभा का उत्तरदायित्व विद्यार्थियों को साहित्य की विविध विद्याओं से परिचित कराना एवं उनमें साहित्य प्रेम को अक्षुण्ण रखना है। इसी श्रृंखला में बर्ब(पत्र) २०१५-१६ में महाविद्यालय (एवं कनिष्ठ महाविद्यालय) में अनेक प्रेरक कार्यक्रमों का आयोजन किया गया।

परिसभा के कार्यक्रमों का श्री गणेश कबीर जयन्ती पर महाकवि कबीर के व्यक्तित्व एवं कृतित्व की चर्चा से हुआ।

११ जुलाई २०१५ को संस्थान के सभागार में आयोजित इस कार्यक्रम में पूर्व प्राध्यापक डा.के.डी.सिंह ने विद्यालय के ग्रंथालय में शोभा बढ़ाने वाली कबीर की पुस्तकों का अनावरण किया। श्री सिंह ने कबीर के जीवन से जुड़े अनेक रूचिकर प्रसंगों को उद्घृत करते हुए युवाओं को प्रेरित किया। तदुपरांत अनेकानेक दोहो का पठन कर छात्र-छात्राओं ने कार्यक्रम को कबीरमय कर डाला।

३ अगस्त को पूर्व राष्ट्रपति एवं डा. ए.पी.जे. अब्दुल कलाम को श्रद्धाजंली स्वरूप कलाम जी के विविध व्यक्तित्व विषय पर एक काव्य लेखन प्रतियोगिता का आयोजन किया गया। इस प्रतियोगिता में दिव्या वैती, मुलुफ निजामुद्दीन सूरतवाला एवं श्वेता शुक्ला ने क्रमशः विजयी स्थान प्राप्त किये।

किसी भी संस्थान के साहित्य उन्नयन में 'हिन्दी-दिवस' की विशेष गरिमा रहती है। १४ सितम्बर को इस अवसर पर सभागार में आशुभाषण का आयोजन किया गया। जिसमें कनिष्ठ एवं वरिष्ठ महाविद्यालय के छात्रों ने बढ़-चढ़कर प्रतिभागिता की। इस अवसर पर विशेष अतिथि डॉ. अनिता ठक्कर ने निर्णायक मंडल के द्वारा समद पटेल, डिम्पल रामचंदानी और सुधांशु शुक्ला ने क्रमशः प्रथम, द्वितीय एवं तृतीय स्थान प्रदान किये।

हिंदी दिवस के शेष कार्यक्रम का आयोजन २९ सितम्बर को विद्यार्थियों के लिए काव्य-पठन के द्वारा कराया गया। इस प्रतियोगिता में विनीत सिंह, कुणाल मेहता और जिनाली लालका ने पुरस्कार प्राप्त किये।

Ranjana Shukla

Convener – Library Association

... ए कलाम तेरी कमी सी है...!

एक था बालक छोटे शहर का
लेकिन, इस देश में बड़ा नाम कर गया,
जब कोई नहीं जानता था शक्ति भारत की,
परमाणु नकशे में उसने खड़ा कर दिया।

राष्ट्रपति बनकर उसने पद की गरिमा को बढ़ाया
उस गद्दी को भी उन्होंने गैरराजनीतिक बनाया,
खुश नसीब थे भारतवासी जिन्होंने,
ऐसा अनोखा भारत रत्न पाया।

तुम रहोगे मिसाल एक सशक्त भारत की,
तुम रहोगे प्रेरणा इस युवा भारत की,
जब सिखाने गए अपने बच्चों को,
ईश्वर ने भी एक शरारत की।

करके दुनियां को सलाम वह चला गया,
करके चुपचाप वे अपना काम चला गया,
थी जिंदगी जिसकी उसके देश को समर्पित,
लोगों का वह प्यारा कलाम चला गया।

उसे वैज्ञानिक का था शत शत प्रणाम,
यह सख्खियत को यह पंक्तियाँ सलाम,
ब्रह्मंड की खोज में बन गया तारा तू,
जलदी वापस आना फिर तू बनकर कलाम।

आज हर बच्चे की आखों में,
नमी सी है,
हर शब्द से शक्ति देने वाले,
कलाम की कमी है।

यह कमी से आती है जब उसकी याद,
तो दिल में आती है सिर्फ एक ही बात,
कि धरती भी रोई और आसमान भी रोया,
इस भारत देश ने अपना कलाम खोया।

जल्दी अपने देश तू वापस आना फिर,
इस धरती माँ को भी है तेरा इतजार
ऐ कलाम, ऐ कलाम!!!

खग, उड़ते रहना

खग, उड़ते रहना जीवन भर।
भूल गया है तू अपना पथं,
और नहीं पंखों में भी गति,
किंतु लौटना पथ पर से, अरे है मौत से भी बदतर।

मत डर प्रलय, झकोरों से तू,
बढ़ आशा की हलकोरों से तू,
क्षण में यह अरिदल मिट जाएगा, तेरे पंखों से पिसकारा
खग उड़ते रहना जीवन भर।

यदि तू लौट पड़ेगा थककर,
अंधड, काल भवंडरों से डर कर,
प्यार करने वाले ही देखेंगे हँस-हँसकर।
खग उड़ते रहना जीवन भर।

यदि तू मिट गया चलते - चलते,
मंजिल पथ तय करते करते,
खाक चढ़ाएंगे लोग तुझे उन्नत और आँखों पर।
खग उड़ते रहना जीवन भर।

Mayuri Shah
XI-E Roll no. 5102

Salmaniya Farhen Md Akram
XI-E, Roll No. 5082

हमारे नेताजी

रहते देहारादून हमारे नेता जी,
देश का पीते खून हमारे नेताजी ।।२।।
संविधान भी इन्हें नमस्ते करता है,
खुद ही है कानून हमारे नेताजी ।।
कुरता टोपी तो भाषण का चोला है,
घर पर है पतलून हमारे नेताजी ।।
इनके साथी कातिल है पर बाहर है,
कर देते है फोन हमारे नेताजी ।।
रहते देहारादून हमारे नेताजी,
देश का पीते खून हमारे नेताजी ।।
किसी बात पर इसे पंगा मत लेना,
रखते है नाखून हमारे नेताजी ।।
छठी फेल है फिर भी आज मिनिस्टर है,
सूरत से है टुन्न हमारे नेताजी ।।
हे मन... तुम तो टुच्चे शायर हो,
लेकिन अफलातून हमारे नेताजी ।।
रहते देहारादून हमारे नेता जी,
देश का पीते खून हमारे नेताजी ।।
इनका पेट ना पैसे से कभी भरता,
हैं दिमाग से सुन्न हमारे नेताजी ।।
देश-कोश को सदा अपना है समझते,
लकड़ी के जैसा घुनना हमारे नेताजी ।।
घोटालों का हुनर इनको आता है,
करते तीनों जुन हमारे नेताजी ।।
सोर्स-फोर्स सब इनके पॉकेट में रहते,
शासन के कारकून हमारे नेताजी ।।
रहते देहारादून हमारे नेता जी,
देश का पीते खून हमारे नेताजी ।।२।।

Sabbhir Ahmed
XI-F, Roll No. 6070



कलाम के लिए सलाम

सभी अपने कोई न पराया,
कुछ ऐसा था आपका साया,
मनपसंद करम ने विदाई गीत गाया,
पढ़ना पढ़ना अंत तक निभाया,
छुटा हमसे मीठा शीतल साया ।

सबके प्यारे सबसे आदर्श थे कलाम,
देश की रक्षा को दिए नये आयाम ।

रहन सहन से अलग थी उनकी पहचान,
पद की गरिमा का नहीं था उन्हें अभिमान ।

इगनाईटेड माईंड रच के बांटा अपना ज्ञान ।
राष्ट्रपति के रूप में बढ़ाया विश्व में देश का मान ।
जय कलाम । जय मिसाल ।

Divya Vaiti
XI-J, Roll No. 9070

‘एक पहचान – कलाम’ ए.पी.जे. अब्दुल कलाम

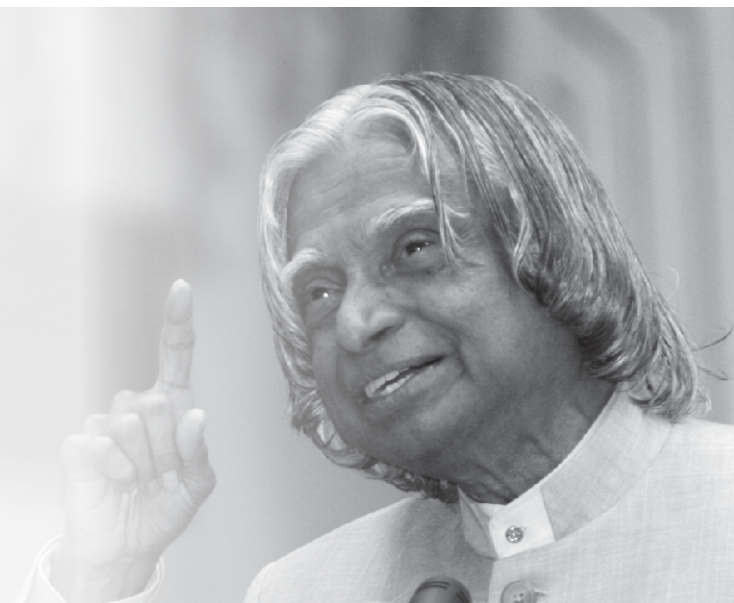
जब हम सोचे भारत के विज्ञान को।
विचारों में टटोले कई नाम को।।
परंतु कुछ ही ऐसे मिले जिन्होंने..
विज्ञान से बनाया इतिहास को।

ऐसा अस्त्र बनाया जो किसे से..
न बना सलाम है उस कलाम को।
वह थे कलाम जो ज्ञान का दरिया..
कलम से बाँटा छात्र में ज्ञान को।।

मुझे प्रसन्नता होगी कहते हुए उनके
ज्ञानी व अमूल्य विचार को।
असफलता का भावार्थ ही बदल दिया
कह दिया कदम है विजय प्राप्त को।।

सपनें को प्राप्त करने के लिए वह न थके
नाही रोके मेहनत रंग अपने सपनों की उड़ान को।

Khan Vahid
XI-D



आम आदमी है परेशान

समस्याओं की आई धारा
आम आदमी के बज गए बारा।

गरीबी, महँगाई, दहेज, प्रदूषण, भ्रष्टाचार
आम आदमी खा रहा है मार।

दहेज के कारण बेटी को रूलाया
भगवान का अब बुलावा आया।

गरीबी, महँगाई, भ्रष्टाचार, प्रदूषण
उदास हो गया सारा मन।

धन, दौलत, पैसेवाले जिनके बंगले होते आलीशान
समाज देता उन्हीं को मान।

जिंदगी जीना नहीं आसान
जिंदगी जीने के खो गए अरमान।

महँगाई का जमाना आया
मौत अपने साथ लाया।

बेसहारा होने की नौबत आई
नसीब में हमारे महँगाई।

गरीबों को नहीं, गरीबी को हटाओ
थोड़ी-सी अब इन्सानियत दिखाओ।

आम आदमी हमारा नाम
मजदूरी करना हमारा काम।

कर्ज में डूबे हम
जिंदगी में हमारे गम ही गम।

लोक की सवारी में चली गई जान
आम आदमी है परेशान,
आम आदमी है परेशान।

Veda Dattaraya Pawar
XI-E



॥ શ્રી સ્વામીનારાયણ નમઃ ॥

૧. ઘનશ્યામ નાબાણ...

ઘનશ્યામ ના બાણ વાગ્યા,
મનેશ્રીગ્રુ ના બાણ વાગ્યા,
મારા સાધુ, સંતો રે ઘનશ્યામના બાણ...
હે... પાઘ સોનેરી પહેરી વાલો (૨), આવે દર્શન
દેવા,
મારા સાધુ, સંતો રે ઘનશ્યામ ના બાણ...

હે... માણકી એચડીને વાલો (૨), આવે દર્શન દેવા,
મારા સાધુ, સંતો રે ઘનશ્યામના બાણ...

હે... સંત મંડળ ને લઈને વાલે (૨), આવે દર્શન
દેવા,
મારા સાધુ, સંતો રે ઘનશ્યામના બાણ...

હે... ગઢપુર થીઆવે વાલો(૨) આવે દર્શન દેવા,
મારા સાધુ, સંતો રે ઘનશ્યામના બાણ...

હે... આંગણે આવે વાલો મારો (૨), મને દર્શન
લેવા,
મારા સાધુ, સંતો રે ઘનશ્યામના બાણ...

- કેવલ

‘આજના બાળકનું બાળપણ ક્યાં.... ? ? ?’

‘બાળક’ આ ! હા ! બાળક શબ્દ માં જ કેટલી મીઠાસ, કુળમળાશ અને પોતીકાપણ છે. પણ આપણે બાળક ને તેનું બાળપણ માલવામાં અવકાશ રહેવા દીધો છે ? પહેલા બાળકો શરીરો અને મેદાનોમાં રમતા અને એમાંજ બાળક નું ઘડતર થતું, અને એજ ઘડતર, તેને આખું જીંદગી સાથે રહેતું. બહાર રમવાથી એક તો બાળકમાં ચપળતા, ચતુરાઈ આવતી અને ખાસ તો તે શારીરિક રીતે બાળક એટલું મજબૂત બની જતું કે તે જીંદગી ની સમસ્યા સામે એકલે હાથે જજુમી અને એમાથભ સફળતા હાંસલ કરતું.

જ્યારે આજના બાળકને રમવાં માટે નો અવકાશ, કે સમય જ નથી. સ્કૂલ, ટ્યુશન, એકસ્ટ્રા ક્લાસ બસ આજ તેની દિનચર્યા. નથી કોઈ એકસાઈટમેન્ટ, નથી કોઈ ચેલેન્જ નથી કોઈ જિજ્ઞાસા. બસ આજ તેની જીંદગી. આવા બાળક જ્યારે મોટો થતા તેની સામે પડકાર આપ છે, ત્યારે તે ડગુ-મગુ થઈ જાય અને ઓલઓવર બેઠાડુ જીવનશૈલી ને તેના જીવનમાં શારીરિક સમસ્યા ઉદ્ભવે છે. તેની સેલેરી ભલે ખૂબજ વધારે હશે, તેની પાસે દુનિયાની તમામ સુખ-સુવિધા હશે, પણ એ સુખ-સુવિધા શા કામની ? જ્યારે તે માનસિક અને શારીરિક રીતેજ થાકેલો હશે. આવા બાળકનું બધુંજ બગડશે બાળપણ અને પછી યુવાની.

અને સૌથી મોટો બાળકના બાળપણનો દુશ્મન અને મોબાઇલ છે. બાળકનું પુરું વિશ્વ અને સર્વસ્વ જાણે છે. તેના મોબાઇલના અતિરેક ને કાણે ઓલઓવરતેની અને માનસિક શક્તિ ક્ષીણ થતી જાય છે.

આશા રાખીએ આજના માતા-પિતા બાળકને ચોવીસ કલાક માંથી માત્ર એક કલાક બહાર ખુલ્લા. વાતાવણમાં રમાવાદે જેથી બાળકને તેનું બાળપણ અને ભારતદેશ ને તેનું યુવાધન શારીરિક અને માનસિક મજબૂત મળે.

Grishma M. Garach

શ્રી ગંગાસતી અને શ્રી પાનબાઇ - સંક્ષિપ્ત જીવનકથા

ગંગાસતી-પાનબાઇ ને ખૂબ ઓછા જણ જાણે છે. પણ તેઓ ના ભજન ખૂબ પ્રખ્યાત છે. ગુજરાત ના પ્રભાતે ગવાતા ભજનોમાં ગંગાસતી ના બાવન ભજનો મા બધા ધર્મ ગ્રંથો નો સારરમે છે. પણ તેમની જન્મભૂમિ તથા કર્મભૂમિને ઓછા જણ ભણે છે. એટલે તમારી સમક્ષ આ કથા મને મુકવાનું મન થયું છે.

સૌરાષ્ટ્રમાં મીરાં - ગંગાસતી

એક મીરાં ચિતોડમાં થયાં-મીરાંબાઇ અને એક મીરાં સૌરાષ્ટ્રમાં થયાં - ગંગાસતી. જે પ્રભુનેતીવ્રતાપૂર્વક યાહે છે તે મીરાં છે અને ગંગાસતી એ પ્રભુને તીવ્રતાપૂર્વક ચાહ્યા માટે તેઓ મીરાં છે.

ભાવનગર જિલ્લાના પાલિતાણા તાલુકામાં રાજપરા નામનું ગામ છે. રાજપરા પાલિતાણાથી ૩૫ કિ.મી. દૂર છે. ગંગાસતીનો જન્મ આ રાજપરા ગામમાં થયો હતો. તેમના પિતાનું નામ શ્રીભાઇજીલી જેસાજી સરવૈયા હતું. શ્રીભાઇજીલી રાજપૂત ગિરાસદા હતા. માતાનું નામ રૂપાળીબા હતું. ગંગાસતીનો જન્મ ઇ.સ. ૧૮૪૬ માં થયો હતો એવું અનુમાન છે.

ગંગાસતીનું નામ ગંગાબા હતું અને તેમને હીરાબા નામથી પણ બોલાવમાં આવતા.

ગંગાબાનાં લગ્ન સમઢિયાળાના રાજપૂત ગિરાસદાર શ્રીકહળસંગ કલલા ગોહિલ સાથે ઇ.સ. ૧૮૬૪ માં થયાં હતાં. લગ્ન સમઢિયાળા મુકામે જ થયાં હતાં. તે કાળની રાજપૂત ગિરાસદાની પ્રથા પ્રમાણે ગંગાબા સાથે પાનબાઇ નામની એક ખવાસ કન્યા ને સેવિકાહતી કે મોકલવામાં આવી હતી. પાનબાઇ અને ગંગાબા લગભગ સરખી ઉમરના હતાં વળી એક ગામનાં હતાં. બંને ખાસ બહેનપણી હતાં.

પાનબાઇ ગંગાબા અને તેમના પરિવારની સેવા તો કરતા પણ એથીયે વિશેષ તો પાનબાઇ ગંગાસતીનાં શિષ્યા બની ગયાં. ગંગાબાએ બે પુત્રીઓને જન્મ આપ્યો. મોટી પુત્રી બાઇબાજાનો જન્મ ઇ.સ. ૧૮૬૮ માં થયો હતો. ભક્ત દંપતીએ બંને દિકરી વળાવી અને ભક્તિ માર્ગે આગળ વધ્યા. આલકત દંપતીના દર્શન કરવા ઘણાં આવતાં. માણસોના અવરજવર વધવાના કારણે આ ભક્ત દંપતીને સાધના ભજનમાં બાધા પડવા માંડી તથા દરબારગઢમાં રહેતાં અન્ય કુટુંબીજનો ને પણ અગ વડ પડવા માંડી. એટલે ગામની બહારવાડીમાં ઝૂંપડી બાંધી નેર હેવા લાગ્યાં. તેઓ સાથે પાનબાઇ પણ આવ્યા. અને તેમની સાધના આગળ વધી. કહળસંગ ભગતે એક વખત ગામવાળાની વાતોમાં આવી એક ગાયને સજીવન કરી તેનો તેમને પસ્તાવો થયો. અને સંત સમાધી લીધી. ભગત બાપુ કહળ સંગના દેહ ત્યાગનો અને સમાધિનો પ્રસંગ સમઢિયાળા ગામે બાપુની વાડીમાં વિ.સં. ૧૯-૫૦ ના પોષ સુદ પૂર્ણિમા, રવિવાર તારીખ - એકવીસ જાન્યૂઆરી ૧૮૯૪ રોજ બનેલ હતો.

બાપુના દેહત્યાગના બીજા દિવસ સવારથી ગંગાબા પાનબાઇ ને એક ભજન ગાઇને સંભળાવતા અને તેનો અર્થ કહેતા. અને ત્યા ભૂદર દાસી હરિજનના સંત આ બધાં ભજનો લખી લીધા. આવો કાર્યક્રમ બાવન દિવસ ચાલ્યો. ગંગાબાને ભાગ્યું કે હવે પાનબાઇ પૂર્ણતાએ પોચીગયા. એટલે ગંગાબાએ પણ બાપુના દેહત્યાગ પછી બાવનમે દિવસે સમાધી લીધી. આ બનાવ સમઢિયાળાં ગામે કાબુલા નદીને કાંઠે આવેલ ભગત બાપુની વાડીમાં વિ.સં. ૧૯૫૦ ફાગણ શુદ્ધ ૮ ગુરુવાર તારીખ પંદર માર્ચ ૧૮૯૪ ના રોજ બનેલો. જેની સાથે જીવનના ૩૦ થી વધારે વર્ષો ગાળ્યા તેવા ગંગાસતીની વિદાય પછી પાનબાઇ એકલતા અનુભવતા અને ગંગાસતીના દેહ પછી પાંચમે દિવસે પાનબાઇ એ દેહત્યાગ કર્યું. આ બનાવ મઢિયાળા ગામે વિ. સં. ૧૯૫૦ ફાગણ શુદ્ધ ૧૩ સોમવાર તારીખ ઓગણીસ માર્ચ ૧૮૯૪ ના રોજ બન્યો.

આમખાત્રણ મહાન સંતો ભવનગરના ઉમરાળા માં સમઢિયાળા મુકામે થયો હતો.

આ જગ્યા આજની તારીખમાં ‘ભગત કહળ સંગ, ગંગાસતી અને પાનબાઇની જગ્યા’ તરીકે ઓળખાય છે.

જેમ ભગવાન કૃષ્ણ પરમઆત્મા એ અર્જુને ઉપદેશ દઇને આપણને જીવનનો સત્ય માર્ગ બતાવ્યો એમજ ગંગાસતી એ પાનબાઇને ઉપદેશ દઇને ભક્તિનો સાચો માર્ગ દેખાડ્યો.

“ભક્તિ કરવી તેને રાંક થઇને રે’વુંને, મેલવું અંતરનું અલિમાને...”

ગંગાસતી
કેવલ

નાના પગથિયેથી શિખર સુધી...

ચાણક્ય ઘણી વાર પ્રજામાં શું ચાલી રહ્યું છે એ જાણવા વેશપલટો કરી નીકળતા. આવી રીતે એક વાર તે નીકળ્યા હતા. ચાલતા ચાલતાં રાજધાની છોડી દૂરના ગામડે જઈ પહોંચ્યા. રાત પડી ગઈ હતી. રાતવાસો કરવો પડે તેમ હતો. એક ખેડૂતને ત્યાં જઈ ચાણક્યે રાત માટે આશ્રય માગ્યો. બ્રાહ્મણ અતિથિને ખેડૂતે આવકાર્યા.

ખેડૂતે ઘરમાં કહ્યું, “ બ્રાહ્મણ અતિથી આંગણે આવ્યા છે. એમને ભૂખ્યા ન સુવાડાય જલદી જલદી કંઈ રસોઈ બનાવી નાખો.” ખેડૂતની વહુએ ઝડપથી ભાત અને બટાટાનું રસાદાર શાક બનાવી નાખ્યું. ખેડૂતે ચાણક્યને જમવા બોલાવ્યા. પ્રજામાં રહેલી આતિથ્યભાવના જોઈ ચાણક્ય રાજી થયા. હાથ-મોં ઘોંઘ તે ભોજન કરવા બેઠા. ખેડૂતના વૃદ્ધ માજીએ ગરમાગરમ ભાત પીરસ્યો. કેળના પાન પર જાણે ભાતનો નાનો ડુંગર ! તેના પર ગરમ ફળફળતું શાક નાખ્યું. ખાવા માટે ચાણક્યે ભાતના ટગલાની ટોચ પર હાથ નાખ્યો. ગરમ ભાત અને શાકથી તેમની આંગણીઓ દાઝી ગઈ અને એમણે એકદમ હાથ પાછો ખેંચી લીધો.

માજીએ કહ્યું, “તમે અમારા મંત્રી ચાણક્ય જેવા લાગો છો. ચાણક્ય હમેશાં બીજા દેશમાં કેન્દ્રમાં રહેલી રાજધાની પર પહેલા હુમલો કરે છે. આથી પાછા પેડ છે. તમે જેમ હાથ ખેંચી લીધો તેમ ચાણક્યનું સૈન્ય પણ પાછું ફરે છે. છેડાનાં નાના નાના ગામ પર શરૂઆતમાં હમલો કરવો જોઈએ. એ નાના ધીમા પગલાંથી આગળ વધી રાજધાની સુધી જવું જોઈએ. તેમ પણ નીચેના ભાત પહેલા આ-રોગો, પછી વચ્ચે પહોંચો. એમ કરશો તો પૂરતો ગરમ ભાત મજાથી જમી શકશો.

માજીનું ડહાપણ જોઈ ચાણક્ય ચકિત થઈ ગયા. ચાણક્યે બોધપાઠ લીધો. હમેશાં નાનાં નાનાં પગલાંથી શરૂ કરવું.

જોઈએ એમ કરીએ તો મોટી સિદ્ધિ મેળવી શકાય છે. “આખો લાડવો એકસાથે ન ખવાય”

Riddhi Shah

