



Annual Report for the Academic year 2022-2023

Accolades earned during 2022-2023

1. Ten students were felicitated on completing 250 hours of the training program of FINX
2. NAAC peer -team visited the College on 12th and 13th April, 2023. College was re-accredited with an A grade by NAAC in the fourth cycle.

Research Report 2022-23

Publications in Scopus indexed journals:

- 1) Synthesis of Nickel Precursors Derived from 1,1'- Bis (Diphenylchalcogenophosphoryl) and their Catalytic Oxidation Reaction Studies-R. S. Chauhan, M. S. Katnori, A. M. Bhatt, P. P. Pandit, V. Brahmkhatri, Y. Torubae, J. Wable, and P. Prabhu
Russian Journal of Inorganic Chemistry, 2022, 1-9 DOI: 10.1134/S003602362208006X
- 2) Bioremediation of heavy metal pollutant Lead by Microalgae and its impact on their growth and Chlorophyll-a content: A Review -Sadaf Zakhriya Int. J. of. Life Sciences, Special Issue, A19: 51-58.
- 3) Effect of pH on biosorption of copper by marine microalgae: A Review
Sadaf Zakhriya ,Int. J. of. Life Sciences, Special Issue, A19: 59.
- 4) Synthesis and Antibacterial screening of thiazolyl pyrazole containing chromones and Aurones. Heterocyclic letters, 2022
- 5) Amber flora and fauna from Early Eocene Vastan Lignite Mine, Cambay Basin, Gujarat: Ecological Diversity and Environmental Significance Hukam Singh, Priya Agnihotri and Jyoti Sharma Journal of Geological society of India, 2022.
- 6) Universal multifractal stationary densities in expanding piecewise linear coupled maps
Jalla Deepak, and Kiran M. Kolwankar Fractals (2022): 2250040
- 7) Synthesis of GaSb-VDS thin film by electron beam physical vapour deposition and its electro-optical characterization as prerequisite for p-n device **construction Anshul Gupta, Manisha** Deshpande, Dattatray B. Gadkari, Dilip S. Maske
Materials Today: Proceedings (In press) 2022.

Publications in UGC-CARE listed Journals

1. Pharmacognostic evaluation of some Indian medicinal plants from Maharashtra - Samidha M. Pawaskar and K. C. Sasangan, Ann. Phytomed., 11(2):715-724.



2. Phytochemical analysis and in vitro antioxidant studies of the leaf extracts of some Indian medicinal plants from western Maharashtra. Samidha M. Pawaskar and Ketan J. Ranade Ann. Phytomed., 11(2):507-515.
3. Pharmacognostic and Phytochemical investigation on *Catharanthus pusillus* (Murray) G. Don. Plant Cell Biotechnology and Molecular Biology 22(37&38):173-182; 2021
4. Reflectivity simulation by using transfer matrix method D Keskar, S Survase, and M Thakurdesai Journal of Physics Conference Series 1913(1):012051
5. Quality Enhancement in Higher Education: Indian Scenario Laxman Survase, Smita Survase, Geeta Nair Journal of education: Rabindra bharti university ISSN: 0972-7175
6. The importance of Vocational education in the Indian education system Smita Survase, Geeta Nair and Laxman Survase International Journal of Advance and Innovative Research Volume 8, Issue 2 (V) April - June 2021
7. Cobalt ferrite as an active material for RRAM. Gayakvad, K., Patankar, K.K. Pramana - J Phys 95, 172 (2021).
8. Indian Consumers Perceptions on Business News Channels Chitra Trehan

Books/ chapters in edited volumes / books published, and papers in national/international conferences

- 1) Usefulness of remote sensing in glacier movement Vivek Iyer and Jyoti Sharma, 2022 ISBN 978-93-5570-458-0
- 2) Morphological study of glacial features at Protonilus Mensae, Mars and their analogues in Ladakh, India 54th Lunar and Planetary Science Conference 2023 (LPI Contrib. No. 2806) <https://www.hou.usra.edu/meetings/lpsc2023/pdf/1979.pdf>
- 3) Plastic Biodegradation in Marine Environment: A Review Research Trends in Environmental Science (Volume - 11) ISBN: 978-93-5570-322-4.
- 4) Honour killing: A crime against humanity Gender sensitization for equity and social justice for women Dr Archana Padgaonkar 2022, ISSN: 2583-083X

Patents Filed

- 1) A process of extracting glycogen from eviscerated organs of fish Patent number: 202121032870 A **Date of application:** 21/07/2021 Mr. Jaidip Wable
- 2) Substituted 1, 2, 3 triazole compounds as antioxidant agent Patent number: 202221061719A **Date of application:** 11/11/2022 Mr. Jaidip Wable
- 3) Analysis of an enantioselective oxidative Spiroketalization Patent number: 202221044469 **Date of application:** 03/08/2022 Mr. Jaidip Wable
- 4) Agents for degumming of silk, process for obtaining the same and process for degumming of silk Application number 324/MUM/2015 Patent number: 411031 Date of grant: 09-11-2022 **Date of application:** 31/01/2015 Dr Soniya Shetty
- 5) Process to improve the consumer buying behaviour towards medicine Application number: 202221042414A **Date of application:** 25/07/2022 Mrs. Chitra Trehan



6) Iron fortified legume-based flour premixes, and method of manufacture there of Patent number: 329870 Date of application: 17/02/2022 Dr. Heena Shah

Workshop/ Conferences attended

- 1) National intellectual Property Awareness Mission -Online- attended by Chitra Trehan, Medhavini Khare
- 2) NEP - REFORMS in TEACHING, LEARNING and ASSESSMENT attended by Chitra Trehan
- 3) Tiny earth workshop- Online- attended by Lolly Jain, Ms Versha Peghwal, Ms Kiran Surve, Ms Poonam Shinde
- 4) Two-day National Workshop on " Transforming Higher educational Institutions"-Attended by Dr. Samidha Pawaskar, Heena Shah, Ketan Ranade

Collaborations

- 1) HN Gujarat University
- 2) Central university of Rajasthan

MoU's

- 1) Maharashtra Prabodhan seva Mandal, Nashik
- 2) College of Social Work (Autonomous) Nirmala Niketan
- 3) K.C.Law College
- 4) Analytical Solution
- 5) Mithibai College

Department activities

Department of Botany

Remedial Coaching was conducted during 31st January – 4th February, 2023. Number of beneficiaries were 14. Based on the performance in semester III examination students were sent email notifications for extra doubt solving and the sessions were conducted.

Workshop on “Research Based Projects” was conducted during 14/07/2022 and 20/07/2022. Number of beneficiaries were 45 UG students and 07 teachers. Two-day workshop on

Research Based Projects was conducted on 14th and 20th July 2022. Mr. Kiran Badve and Dr. Jitendra Pendharkar were invited as a resource person. Students were guided to design the research projects. Mr. Badve shared a thought a designing a SMART Target for research projects. On Second day, students presented the posters displaying research projects. Dr. Pendharkar and Mr. Badve evaluated the presentations and guided the students on designing the research projects.

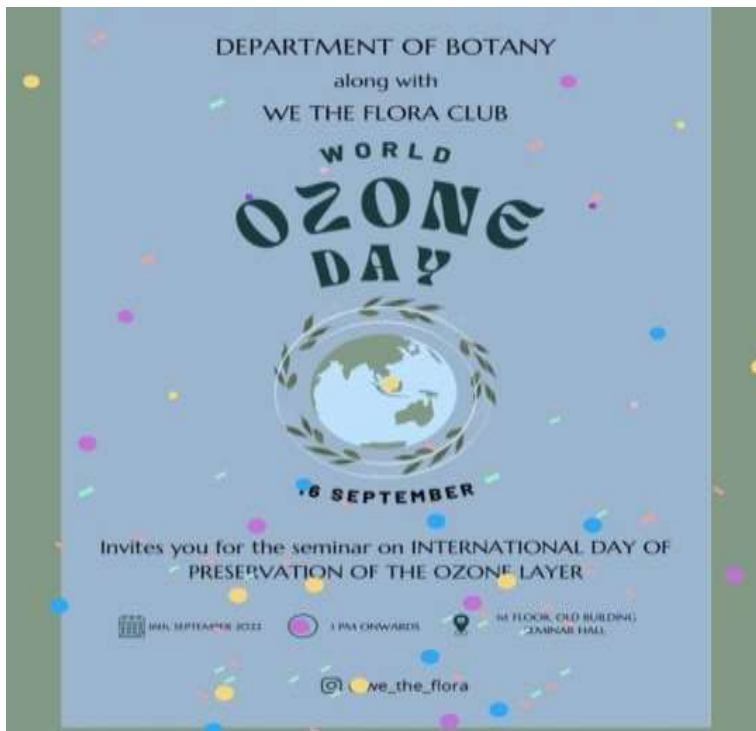


Ozone Day was conducted on 16 /09/2022 Number of beneficiaries Students UG: 75 Teaching: 03 “We the flora” club the organized Ozone Day on 16th September 2022. A team of student volunteers of the club (BSc, B.Com), organized the event. Event started with campus prayer, followed by presentation on importance and the causes for depletion of ozone layer. Students participated in the quiz based on the presentation and the winners were facilitated with prizes.





Brochure of Ozone Day Celebration:



Ranbhajya and Millets was conducted on 23th August 2022. Number of beneficiaries Students UG: 10 & Students PG: 12 To celebrate commemorative day on International Day of the World Indigenous Peoples held on 9th August 2022 and on the occasion of International year of Millets an exhibition cum Food Festival of “Ranbhajya and Millets” was organized on 23rd August 2022 from 11:00 AM to 1:30 PM in the Department of Botany, K J Somaiya College of Science and Commerce, Vidyavihar, Mumbai, Maharashtra, India. It was conceived essentially as an exposure to know the food culture of tribal communities and feel the taste of them and to acquaint students with different types of millets which were kept in exhibition, there were eleven Ranbhajya and nine millets.





Vruksham-23 was conducted during 21st, 23rd, 24th January, 2023. Number of beneficiaries Students - High school: 28 UG: 97 PG : 11 Teaching – 07 Intercollegiate Festival “Vruksham-23: Enchantor” was organized on 21st, 23rd, 24th January 2023 by the Department of Botany. The fest was inaugurated on 21st, by session by Mr. Rafiq Shaikh. His opening talk “Everyday Science” revolved around developing scientific thinking, scientific temperament and its wise application in life. His elaboration on scientific literacy helped students have a comprehensive perspective of their educational journey. The latter half of the day, the demonstration of Fold Scope was conducted in the Botanical Garden in the campus. The students were amazed to observe microscopic details of floral structures using a very affordable, compact, travel friendly ‘Fold Scope’. It also made them realize that the pursuit of science need not have really expensive tools, and that it could be done with a lot of enthusiasm and a smart use of simple everyday accessories. The next day, a very interesting talk by Dr Ranee Prakash, about the contributions of “Dr Wallich to the Indian Natural History” gave a glimpse in the evolution of classification of plants and the technique of their preservation over the years. The students were given a global perspective in study of plants and its scope in near future. As part of the fest, competitions such as Sanjeevani (Treasure Hunt), Parakh (Blindfolded Identification), Chitra Rekha (Drawing Contest), Tu Bhi Kya Yaad Karega (Memory Game), Zyqa (Taste Tasting Event), Ankhon Dekhi (Photography) were organized. Each of these games had several levels of elimination and winners were declared at the end of each event. Several Startup stalls (food, pickles, perfumes) were exhibited which demonstrate the culinary and entrepreneurial skills of students. The fest was concluded with congratulating all the team members for their efficient contribution and making the fest successful at national level.



Rangoli Competition was conducted on 17th August 2022. Number of beneficiaries Students UG: 25 & PG: 11 A “Rangoli competition” was conducted on 17 th August 2022 from 8:00 AM to 11:30 PM (Extended till 2:00 PM) in the Department of Botany, K J Somaiya College of Science and Commerce, Vidyavihar, Mumbai, Maharashtra, India. The theme of the event was “Tiranga”, which was held on the occasion of “Azadi ka Amrit Mahotsav”. Twelve groups of participants meticulously worked on their Rangoli patterns and colours to bring out their talent.





Department of Chemistry

Career Orientation Program was conducted by Chemistry department Date 12/12/22. Number of beneficiaries Number of Beneficiaries: Session I: 56 Session I: 59 Session I: 48 Session I: 25 Total : 188 participants Session I: - Mr. Vikas Sawant explained about the Positions and job opportunities in field of bank to students. - Exam pattern was discussed. - Students solved some questions using easier and quick Strategies. - Talked about the vacancies that has now comes because the students were eligible for the same. - The guest also shared his experiences regarding Cracking the examination.

Session II: - Various Dancing forms were introduced by speakers. - Speakers carried out discussion and explained the Students how career can be made in dance field. - Ms. Vrushali also shared her experiences of working with several Universities and getting up scholarship as a classical dancers. - The speakers also discussed how the dance career can be kept as an option with some other careers. - They also discussed various opportunities.

Session III: - She explained requirements of official documents like passport, visa etc., for study abroad. She explained best suitable countries for MS (Master of Science) and Ph.D.(Doctorate of Philosophy) programme. Accordingly, US (United States), UK (United Kingdom) and Australia are best suitable for pursuing MS programme whereas Canada is for Post-Graduate Diploma Programme. - She explained the financial requirement and education loan for Higher Education Abroad. - She gave insights of Earn while you learn strategies. She mentioned the tentative tenure of academic Semesters. - She concluded her talk by suggesting few tips for improving English language. She proposed strategies to qualify international level English language tests like; IELTS, TOFFEL and GRE.

Session IV: - Mr. Sayyed Wassim explained the ideal requirements of a Drug and the importance of Clinical Trials for human being. He explained players (Pharmacy Companies, Biotech Companies) in Clinical Research Industries through their role in building drug for healthy society. Accordingly, there is huge demand of qualified and skilled human power for Medical Writers, Data Managers, RA Managers, Accredited Laboratories, Hospitals and IEC. - He concluded his talk by giving scope of Career Opportunities in Clinical Research. Ms. Rupali More from CLINOMIC explained various courses like PGDCR at CLINOMIC.



K J Somaiya College of Science & Commerce (KJSSC)

Autonomous-Affiliated to University of Mumbai, Re-accredited "A" Grade by NAAC, FIST "O" level Program - DST Awarded, Star Scheme - DBT Awarded College with Potential for Excellence - UGC Awarded

Department of Chemistry
In association with
Career Guidance/Placement Cell and D.L.L.E. unit of KJSSC
Organizes
"Career Orientation Program"

Session I: Career opportunities in the field of dance
Time: 10.00 am-11.00 am



Mr. Saumitra Pawar
Hip-Hop and Salsa dancer



Ms. Vrushi Dabake
Kathak dancer



10.00 AM – 2.30 PM



12th December 2022



Venue: Room No 306, 3rd Floor, Old Wing, K J Somaiya College of Science & Commerce, Vidyavihar (E)



Session II: Career in Banking and Insurance
Time: 11.00 am-12.00 pm

Session III: Higher education opportunities abroad
Time: 12.00 noon -01.00 pm



Mr. V. V Sawant
Managing Director,
Vikas Sawant's Academy
(Bank Exam Expert)



Ms. Karuna Vishwakarma
Marketing-Head
Computrain I.T (I) Pvt.Ltd.

Session IV: Career opportunities in Clinical Research industry
Time: 1.30 pm-2.30 pm

Mr. Sayyed Wasim
Clinical Research Associate and Asst. Prof. at Madhya Pradesh College of Dental Science

Student Coordinators

Sis. Ananya Kundu, Sis. Bhavika Gehlot, Sis. Kajal Yadav, Sis. Shayona Parmar

Organising Committee

Dr. Smita Paranjape, Dr. Ketan Ranade, Dr. Chetana Kanekar, Dr. Deepak Jalla, Mr. Sarang Gujar, Dr. Ketankumar Gayakwad Mr. Ashish Mhatre, Ms. Meghna Varma

Dr. Amol Pawar
Convenor-DLLE

Dr. Saurabh Shete
Convenor
Career Guidance/
Placement Cell

Dr. Bright-O-Phillip
Head,
Dept. of Chemistry

Dr. Pradnya Prabhu
Principal



Learn from Stalwarts 2023 (An Annual Chemistry Lecture Series) on 17th & 18th January 2023. 8:30 AM to 1:00 PM No of participants 120 The event started at 8.30 am with campus prayer by the session host Ananya Kundu, MSc student followed by the talk of Dr. Bright O Philip, Head of the Chemistry Department on the importance of this event as well as about the Chemistry department, KJSSC. Further, a brief introduction of Prof. P.S Kalsi by Dr. Rohit Singh Chauhan, Convener of this event and Dean Research, Chemistry Department, KJSSC. The first session was started (at 9.20 AM) by Prof. P.S. Kalsi, Professor of Eminence, School of Chemistry, Shoolini University on the topic of Infrared Spectroscopy and its importance for the study of the structure of various chemical compounds. In addition, he discussed scientists named Prof. Ruzika, and Prof. Wieland and their contribution to the determination of Cholesterol structure with the help of IR spectroscopy. Further, Prof. P. S. Kalsi talked about the structure of Camphor & B-vetinone relating to IR spectroscopy. Professor has simplified how to interpret the IR spectrum of big organic molecules such as Azulenes, with the help of various stretching vibrations like C=O, and C-H. N-H, O-H and C=C, etc. Prof. Kalsi has covered all the basic as well as detailed information on Infrared spectroscopy. The talk continued up to 10.40 AM. The vote of thanks for this session given by Dr. Saurabh Shete,

Day 2

where he spoke about the importance of Prof. Kalsi sir lecture on FT- IR spectroscopy. The second session was started at 10.40 am by Dr. Chitra Kamath, Co-convener of this event, where madam introduced Prof. Suvarn Kulkarni, Department of Chemistry, IIT-Bombay. Prof. Kulkarni continued the session by introducing Nuclear Magnetic Resonance Spectroscopy (NMR Spectroscopy) & he further focused on Proton NMR & its importance in determining the structure of organic compounds. He further talked about the basics of how to interpret peaks of different protons of a compound in different environments (shielding & deshielding) HNMR spectra. Professor has stressed more problems related to HNMR Spectra of compounds like C₆H₈O₂, C₄H₈O, C₉H₁₀O, C₇H₈O etc. This session was closed by giving a vote of thanks by Dr. Veena Khilnani, wherein, she talked about the significance of NMR spectroscopy and the way Prof, Kulkarni delivered the lecture on the same. Later, the faculties of the chemistry department, Dr. Saurabh Shete, Dr. Nanabhau Karanjule, Dr. Dilip K Yadav and Dr, Chitra Kamath continued the session on problem-solving of NMR and IR spectroscopy. The Second day of Stalwarts 2023 started with an introduction of Prof. Balakrishna by Dr. Rohit Singh Chauhan (Convenor), wherein, the Professor started the lecture at 9.10 AM by giving a brief induction organometallic chemistry. Especially, Professor has focused on oxidative addition and reductive elimination reaction in organometallic chemistry and their importance in various syntheses of metal complexes eg. Grignard reagent. In addition, Professor talked about the importance of cis and trans metal complex formation, C-H activation via metal catalysts and mainly the application of catalysis for drug preparation. This session was closed by the giving a vote of thanks by Sarang Guzar, in which He highlighted the implication of Organometallic chemistry. Moreover, Sarang sir acclaimed Prof. Balakrishna's lecture. After the lecture of Prof. Balakrishna, Prof. Kalsi has



delivered the lecture by continuing the previous session topic i.e. The importance of Fourier-transform Infrared Spectroscopy in Stereochemistry. Prof. Kalsi has given a general idea on how cis and trans and other stereoisomers can be identified by FT-IR spectra of the respective compounds wherein the various functional groups show different wavenumbers or stretching and bending frequencies. The first session was closed after the lectures of Prof. Balakrishna and Prof. Kalsi. The next session of Stalwarts second day started with Dr. Sugandha S Shetye introducing the next speaker Prof. Sandeep Nigam. Professor Nigam started the lecture by giving an introduction to a packet on Quantum Chemistry, in which he covered basic topics related to Quantum Chemistry such as the Interaction of light with matter waves & their properties. Further, he continued on discoveries of Atomic theory, and X-rays by Newton, Fermi, Bohr & Planck. In short, the professor focused on the Foundation, Chronology & Drawbacks of Classical theory as well as the Chronology & Philosophy of Quantum theory. He compared classical mechanics & quantum mechanics and also explained Einstein's relation of Energy & Mass. Further, he talked about wave-particle duality and its significance. This session was closed with a vote of thanks by Dr. Nishamol Kanat, where she emphasized the implication of Quantum chemistry. Moreover, all the participants including students and faculty members were applauded the Prof. Balakrishna's lecture, because of his simplified lecture on complex quantum chemistry lecture. Further, she showed gratitude towards all the participants, students, faculties, teaching and non-teaching staff and all others those who facilitated the program. She also thanked all the guest speakers, Dr. Rohit Singh Chauhan (convenor & research dean), Dr. Chitra Kamath (co-convenor), Dr. Bright O Philip (Head of Chemistry Department), and Principal KJSSC for making this program successful. With these final words, Dr. Nishamol Kanat closed the program "Learn from Stalwarts 2023" An Annual Chemistry Lecture Series.





‘Quimica Inorganica’ – Exhibition on Application of Inorganic Chemistry in Industry was conducted by Chemistry department Date 14th September, 2022 Number of beneficiaries 230 A Poster Exhibition was organized on the topic, ‘Application of Inorganic Chemistry in Industries’ by M. Sc. Part II students of Inorganic Chemistry branch under the guidance of faculty of Inorganic Chemistry, Department of Chemistry in collaboration with CLUBREACT on 14th September, 2022. The event was inaugurated by Principal, KJSSC, Dr. Pradnya Prabhu in the presence of Head, Department of Chemistry Mrs. Madhavi Kate at 8.00 a.m. The event took place in the Chemistry laboratory no.5.

20 posters were exhibited by students. The objective of this poster exhibition was to enlighten UG and PG Science students about the employment opportunities in areas of metallurgical firms, paints and pigments, surfactants, medicine, fuels and plastics. All the posters were informative and self-explanatory about the various fields. Students attended the exhibition and with keen interest interacted with the volunteers.

Breakfast and Lunch arrangements were done by Inorganic Chemistry Part II students. The exhibition got an overwhelming response both from students as well as teaching staff. The exhibition was appreciated by honourable guests. CLUBREACT volunteers helped in taking the photographs of the event and PR. The exhibition ended at 3.00 p.m. Overall, it was a grand success.



Exhibition on “Find a Key to Stereohouse” was conducted on 14th Sept 2022. Number of beneficiaries 230 students from FYBSc/SYBSc/TYBSc and MSc Part I. The exhibition was inaugurated by Dr. Pradnya Prabhu, Principal, K J Somaiya College of Science and Commerce. MSc Organic Chemistry Semester III students organized exhibits on following Stereochemistry themes.

1. Chirality in Nature
2. Chirality in Medicinal Chemistry
3. Classification of molecules into point group
4. Types of Strain
5. Configuration Assignment
6. Conformational analysis of Ethane and Butane
7. Stereochemistry of Cyclopropane, Cyclobutane and Cyclopentane
8. Conformational analysis of cyclohexane
9. Effect of substituents on cyclohexane derivatives
10. Conformational analysis of cyclooctane
11. Stereochemistry of Decalin
12. Stereochemistry of Hydrindane
13. Stereochemistry of Steroids
14. Resolution techniques
15. Different racemization process
16. Asymmetric Synthesis
17. Chiral Pool Strategy



TY B.Sc. Parent Teacher Meeting was conducted on 27th August, 2022. Number of beneficiaries Students – 25 Parents -25 Teachers – 18 A Parent-Teacher meeting was organized in collaboration with Attendance Committee on Saturday, 27th August, 2023 from 11.00 – 12.30 pm. The parents were intimated about the meeting well in advance through the mentors, emails and also through the whatsapp group. The Parent Teacher programme started at 1100 pm sharp. Mrs. Madhavi Kate, Head, Department of Chemistry welcomed the parents and introduced the department and faculty members. Dr. Bright O Philip has given a presentation of the department highlighting the evaluation pattern, graduate attributes, career scope in Chemistry, student progression and department fest Rasayan. The following points were discussed in detail with the parents



- Departmental activities
- Examinations and the related details
- Attendance of Students
- Tutor-Mentor scheme
- Career opportunities
- Remedial coaching
- Co-curricular and extra-curricular activities,

The parents appreciated the initiatives taken by the college and departments.



PTM for SY B.Sc was conducted on Saturday, 10th September 2022. Number of beneficiaries Students UG: 52 students along with their parents Students PG: Teaching: 15 Nonteaching:

The PTM meeting was organized to interact with the parents and the following points were discussed

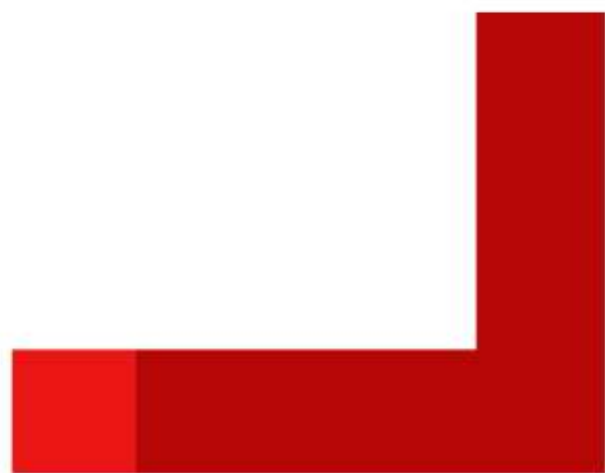
1. The compiled attendance was shared with the parents and the importance of the attendance was discussed
2. The progress of a student was discussed by sharing the marksheet of the CET conducted.
3. The parents were requested to send their wards to college with proper nutrition and tiffin so as to cope with the long working hours.
4. The parents were informed about



- Departmental Activities
- Examinations and the related details
- Attendance of Students
- Tutor-Mentor scheme
- Career opportunities
- Remedial coaching
- Co-curricular and extra-curricular activities



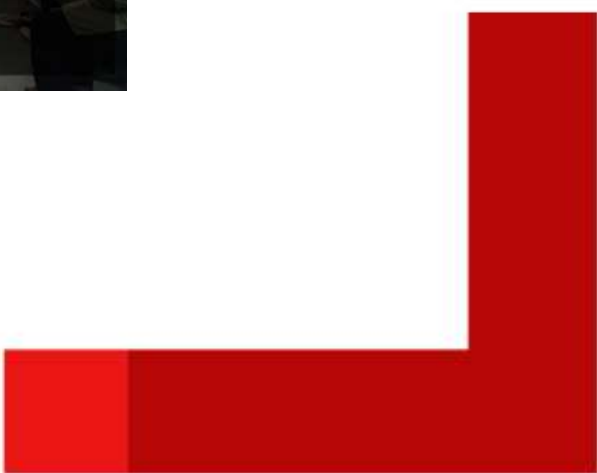
Online Quiz on “INDIAN FREEDOM STRUGGLE’ was conducted on 12th August 2022. Number of beneficiaries Students UG: 220 The Department of Lifelong Learning and Extension in association with department of Chemistry had organized an online quiz on “Indian Freedom Struggle” on the occasion of azadi ka amrit Mahotsav on 12nd August 2022. The main objective of conducting this quiz was to understand the role of freedom fighters and their contribution in the process of independence of India. The quiz was open to all the students and teachers of various colleges. 220 participants successfully attempted the quiz. E-Certificates were provided to the successful candidates





Department Microbiology

Report of Parent Teacher Meeting T. Y. B.Sc. Microbiology was conducted on 27-08-2022. Number of beneficiaries Parents: 16 Teaching: 09 Parent-teacher meeting was conducted on 27-08-2022 Sixteen parents attended the parent-teacher meeting. Meeting initiated with a brief introduction of the department and faculty members by the HoD. There was a brief presentation highlighting the vision, academic terms, evaluation pattern, graduate attributes, career scope in Microbiology, student progression, commemorative days and department fest. Department staff members discussed the innovative methods of evaluation and shared the updates of examination. Parents appreciated the efforts taken by the staff members for the academic growth of the learners in a holistic manner.



An Introductory Session with a Counsellor was conducted on 10-11-2022. Number of beneficiaries 24 Session was conducted on 10-11-2022, for the T.Y.B.Sc. Microbiology students of K.J. Somaiya College of Science and Commerce Speaker initiated the session with a general introduction to the positive approach in life. Speaker mentioned various opportunities for growth in academic and personal life.

"Walking the Career Path" was conducted on 05th December, 2022. Number of beneficiaries Students UG: 56 Students Teaching : 6 The event began with the campus prayer followed by welcome address from the Head of the Department of Microbiology, Dr. Lolly Jain. She introduced the speaker and handed over the session to the resource person. The speaker appreciated Microbiology department's initiative for organizing such sessions. He shared his bachelor's & master's journey along with the project he worked on. He discussed about the job opportunities in the field of Nano biotechnology as well as his current working activities. Students were motivated by his talk and were interested more in knowing about the job opportunities. He encouraged the students to work hard and sincerely so as to achieve the goals that they have set for themselves. An overwhelming response from the participants was received. At the end of the session, every student was provided with a link for feedback.



Introductory session with a counsellor was on 8th December 2022. Number of beneficiaries were 35 UG Students Good mental health is essential for overall well-being & it can contribute to a student's ability to find success, to accomplish this goal Introductory session with counsellor for S.Y.B.Sc students was organized by Department of Microbiology. Session was initiated by warm welcome & brief introduction of counsellor by Ms. Hemangi Rajput (S.Y.B.Sc Student). Counsellor addressed various problems of the students. she further

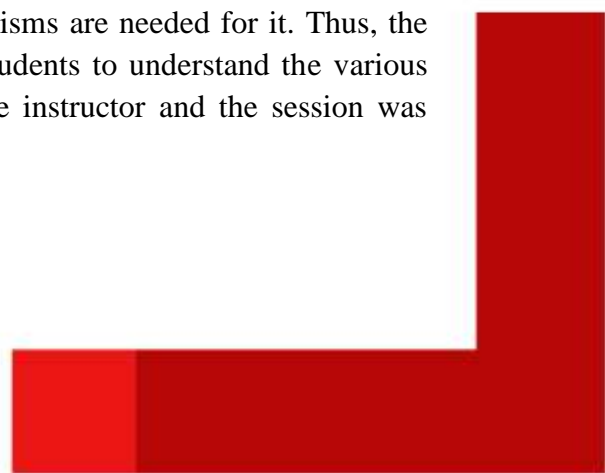
advised our students on various points like how to focus on personality development? how to manage academics and co- curricular activities? She expounded on MPS – M- Meaning of life P- Perspective /Happiness what gives you happiness S- Strengths, What are your strengths. She also suggested writing a diary which could provide more clarity about thoughts, anger & mainly stress management. It was a good introductory session. It ended with warm vote of thanks.



Introductory session with a counsellor was conducted on 15-12-2022. Number of beneficiaries Students – 18 PG Students Good mental health is essential for overall well-being & it can contribute to a student's ability to find success, to accomplish this goal Introductory session with counsellor for MSc -I students was organized by Department of Microbiology. Session was initiated by warm welcome of counsellor by Ms. PoonamShinde & was further extended by Ms. Khushbu Wadhi (MSc- I Student) to brief introduction of counsellor Ms. Kshitija Sawant. Counselor addressed various problems of the students. she further advised the students on various points like how to focus on personality development? how to manage academics and co- curricular activities? She expounded on MPS – M-Meaning of life P- Perspective /Happiness what gives you happiness? S- Strengths, What are your strengths? She also suggested writing a diary which could provide more clarity about thoughts, anger & mainly stress management. It was a good introductory session. It ended with warm vote of thanks.



“Visit to Common Effluent Treatment Plant” was conducted on Tuesday, 31st January, 2023. Number of Beneficiaries Students UG: 17 Students PG: 18 Teaching: 2 A visit to CETP (Common Effluent Treatment Plant) was conducted by the Department of Microbiology of K J Somaiya College of Science and Commerce. Students from TYBSc and MSC Part 1 were taken for this visit. Common introduction about the CETP working, guidelines, rules and regulations were given by the instructor. Later, various processes were explained and the plants for those processes were showed to the students. These processes included Primary and Secondary processes of Wastewater treatment. It was explained that the wastewater treated at the plant came from the domestic and industrial regions. The processes followed by them were explained which were Activated sludge process, oil grease removal, neutralization and equalization, primary treatment, aerobic secondary treatment, flocculation, sun drying, suspended growth process, etc to name a few. BOD & COD was explained and how they keep records of the same for further documentations and plant records. The tertiary treatment is carried out in Vashi as more modified mechanisms are needed for it. Thus, the visit was very informative and interesting. It helped the students to understand the various treatment processes. All the queries were answered by the instructor and the session was interactive.





Microscope-2022 was conducted on 17th September 2022. Number of beneficiaries were Student participants – 93 Judges: Dr. Bela Nabar, Associate Professor in Microbiology, CHM, College Ulhasnagar. Dr. Manish Bhat Assistant Professor in Microbiology, D.Y. Patil University, Navi Mumbai Dr. Jacinta T. George Assistant Professor in Biotechnology, S. K. Somaiya College, Somaiya Vidyavihar University Dr. Veena Salvi Assistant Professor in Botany, KJSSC Dr. Ketan Thatte Assistant Professor in Botany, KJSSC 17 th September, 2022, Vidyavihar, Mumbai: Department of Microbiology of K. J. Somaiya College of Science and Commerce organized Inter-Collegiate event MICROSCOPE-2022. The event witnessed a number of 93 participants from Colleges throughout Mumbai. Participants were from diverse fields ranging from the Colleges with Undergraduate and Postgraduate programmes having biological backgrounds. Presento, The Brain Jam, Loopful of Art, Cast a Spell, Unrehearsed, Decode the Antidote, Biomimic, and Micromeme (online) were the events for the day. Snack partners: Brew culture, Dikuji Kitchen, Buzz café, along with Himedia, Jay Motors, NS. Khan, Dr. Padalia were the sponsors for the events. The events were judged by senior and experienced faculty members from Microbiology, Biotechnology and Botany subjects. Winners for different events were appreciated and awarded with trophies and Certificates. Mr. Shabib Khan worked as the Convenor for the event.

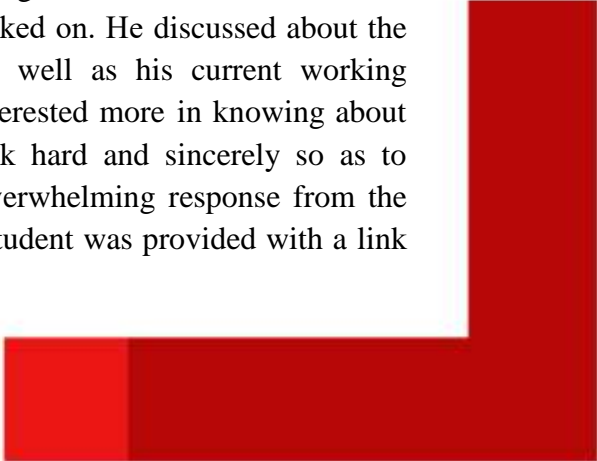




Workshop on review writing was conducted on 3rd February 2023. Number of beneficiaries were Students – 17 PG Students 02 Teachers Name of the Resource Person \Guest Dr. Anupma Harshal Workshop on Review writing was conducted by the Department of Microbiology on 3rd February 2023. The workshop was organized for PG students aiming to acquire excellence in review writing. Dr. Lolly Jain, Head, Department of Microbiology welcomed the guest speaker. It commenced with a brief introduction of Dr. Anupma Harshal by Ms. Poonam Shinde. Dr. Anupma Harshal discussed the importance of scientific temper. She decoded three L formula i.e Learning skills, Life skills, Literacy skills which are very important in 21st century skills. Further she emphasized different points like how to read a research paper in 30 minutes, what is a research article? importance of publishing research work in trusted journals mostly in peer reviewed journals. She explained steps of review writing like pre-writing, writing & post writing also the difference between letter & review article, literature review & proposal. Students were enthralled by knowing different research tools. Dr. Anupma Harshal elucidated the importance of curation, listed down the well curated sources, justified that credibility can help in publishing research papers. She went to train to write abstract, results, discussion & conclusion very effectively. She commented on Top down & bottom -up approaches, also explained plagiarism & different research tools to reduce plagiarism. Such informative workshop was then followed by an engaging questions & answer session



"Walking the Career Path" was conducted on 05th December, 2022 Number of beneficiaries were Students UG: 56 Teaching: 6 The event began with the campus prayer followed by welcome address from the Head of the Department of Microbiology, Dr. Lolly Jain. She introduced the speaker and handed over the session to the resource person. The speaker appreciated Microbiology department's initiative for organizing such sessions. He shared his bachelor's & master's journey along with the project he worked on. He discussed about the job opportunities in the field of Nano biotechnology as well as his current working activities. Students were motivated by his talk and were interested more in knowing about the job opportunities. He encouraged the students to work hard and sincerely so as to achieve the goals that they have set for themselves. An overwhelming response from the participants was received. At the end of the session, every student was provided with a link for feedback.





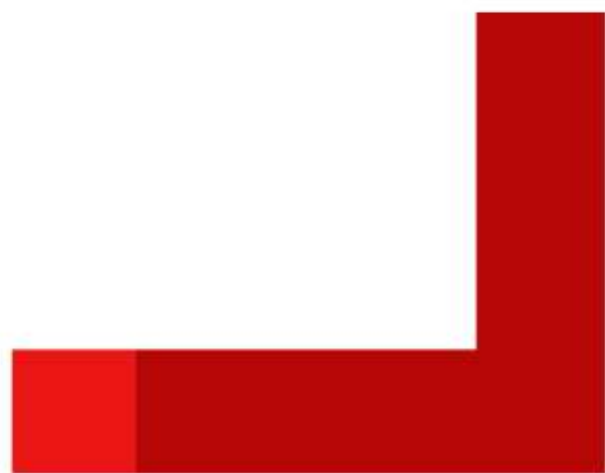
Department Mathematics

“Enriching Expressions: A Workshop on Vedic Mathematics” was conducted during 18-08-2022 and 20-08-2022 Number of beneficiaries were Students UG: 101 Students PG: -4 The Department of Mathematics association with Department of Lifelong Learning & Extension, K. J. Somaiya College of Science and Commerce organising a Workshop on “Enriching Expressions: A Workshop on Vedic Mathematics” on 18th August 2022 & 20th August 2022. Workshop is for SYBSC, TYBSC and MSc students. The Resource Person spoke about the Benefits of Vedic maths. How it is help full in fast calculation as compared to usual method. On first day, he explained Multiplication, Squares,





“Advance Google Sheet Training” was conducted during 19th July 2022 and 22th July 2022. Number of beneficiaries were Students UG: 32 The Department of Mathematics, K. J. Somaiya College of Science and Commerce organising a Workshop on “Advance Google Sheet Training” Workshop was for TYBSC, SYBCOM and TYBCOM students. In the first session, the Resource Person spoke about the importance of Advance Google Sheet. How the google sheet is helpful for data Analysis. In the second Session, he spoke about some important functions like conditional function, String function & Mathematical Function, etc. In the third Session, he spoke about Data Analysis using Google sheet, Advance Filtering & Condition Formatting. In the fourth session, he spoke about Autocrat & linkage among Google tools. Also, The Speaker spoke about the importance of Mathematics in data Analysis and he shared his personal



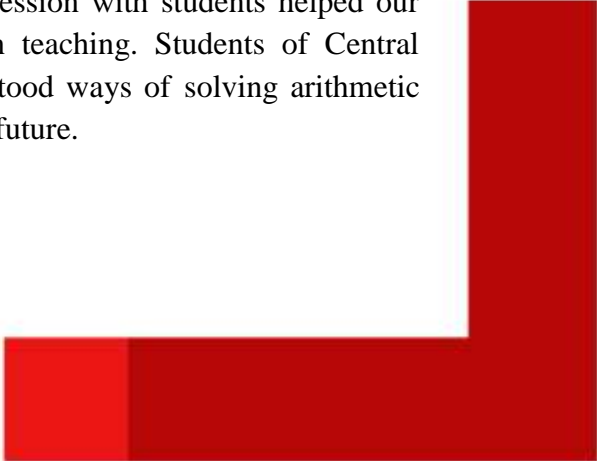


On “A series of lectures Introducing various topics in Mathematics” was conducted on 15th June 2022. Number of beneficiaries were Students UG: 57 Teaching: - 5 1) Prof. Saradha Natrajan 2) Prof. Ujwala Deshmukh 3) Prof. Parvati Shastri 4) Prof. Jyotshana Prajapat An Eminent professor of Mathematics from Various Institute IIT Bombay, TIFR, University of Mumbai and NMIMS. The Department of Mathematics, K. J. Somaiya College of Science and Commerce association with Indian Women and Mathematics Organized “An invitation to Mathematics”: A series of lectures Introducing various topics in Mathematics Lecture Series is for FY, SY, TY-BSC students. The Resource Person Prof. Saradha Natrajan spoke about the A Bullet train journey from Diophantus (250 C.E.) to Erdose (1913-1996). Prof. Ujwala Deshmukh spoke about the Challenges in Mathematics and various real life applications of Mathematics. Prof. Parvati Shastri Spoke about Integral Quadratic forms representing all integers. Prof. Jyotshana Prajapat Spoke about Inverse mapping theorem and its applications; how the Mathematics played a very significant role in the progress of human life, how the Study of Mathematics started with beginning of study of number pattern, counting and measuring, etc. Also, Prof. Jyotshana Prajapat shared her personal life experiences in research field. Another highlight of webinar is that the all resource person addressed all questions raised by participants. The feedback of the participants indicates that the lecture series has served its purpose owing to demand of more such Lecture Series in future.

Workshop on Vedic Maths was conducted during 14th Dec 2022 and 15th Dec 2022. Number of beneficiaries were Students UG:- 09 The Department of Mathematics and Department of Lifelong Learning & Extension, K. J. Somaiya College of Science and Commerce organising a “Outreach Activity- workshop on Vedic Maths” Students of SYBSc and TYBSc Mathematics Visited in Z, P. Prathmik shala, Panvel On 14th and 15th Dec.2022 under department’s outreach programme. It was two day session on Vedic Mathematic. After interaction with students, first session we started with introduction of vedic mathematics & their benefits, base and complement, which taken by Ms. Komal Patil. In Second session, Ms. Sonali Kalantre took topic multiplication of single & double digit and after solving some more problems, we ended the first day session. On second day 15th Dec. 2022 Ms. Nashra (SYBSC student) started with revision of first day and how to remember tables from 2 to 9. Students were really enjoyed tricks which helped them to learn tables. Then Mr. Sidhesh and Mr. Mahesh (TYBSC Maths) took some activity-based learning. They all enjoyed enthusiastically involved in activities. After lunch break, Ms. Shewta daware started with story of akbar-birbal and then short tricks of finding square of numbers. Next session Ms. Kiran yadav started with division of numbers. Worksheets were distributed to help students work out exercises using rules of Vedic Mathematics. They enthusiastically got involved with the session which ended. Remaining all team member Pranjal, Nibedita and Tanmayee helped in volunteering. The session with students helped our students to realise challenges and satisfaction received in teaching. Students of Z, P. Prathmik school, Panvel has understood ways of solving arithmetical problems faster which will play a big role in their success in future. Finally school Teacher Mr. Sanjay patil sir appreciated to our student work and he expected to visit their school in future with more such sessions. All students are really enjoyed activity organized and they are demanding such activity in future to be organized.



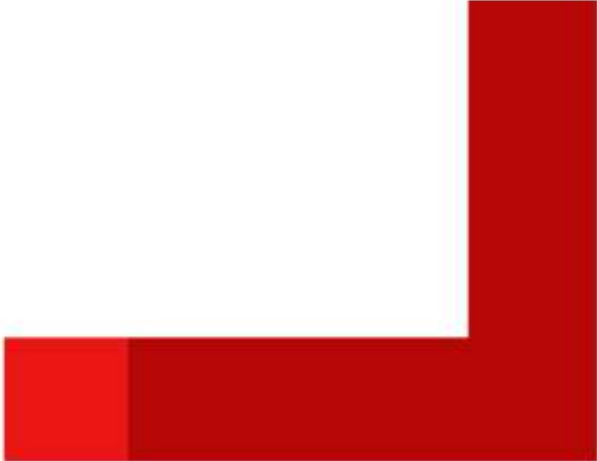
Outreach Activity-Workshop on Vedic Maths was conducted on 27-01-2023. Number of beneficiaries were Students UG: 14 Teaching:- 01 The Department of Lifelong Learning & Extension association with Department of Mathematics, K. J. Somaiya College of Science and Commerce organising “Outreach Activity- a Workshop on Vedic Mathematics” on 27th January 2023 Students of TYBSC Mathematics and Sybsc visited Central Railway secondary school and junior college, kalyan west on 27th January 2023 under department's outreach programme. It was a one day session on Vedic Mathematics. Mr. Prabhat sir (prof mathematics department) accompanied the students. The session started at 11am. There were two classes for the session. After the interaction with the students, the session started with introduction of basics of Vedic mathematics and their benefits. Worksheets were distributed to help students work out exercises using rules of Vedic Mathematics. They enthusiastically got involved with the session which ended at 2 pm. The session with students helped our students to realise challenges and satisfaction received in teaching. Students of Central Railway Secondary school and Junior College have understood ways of solving arithmetic problems faster which will play a big role in their success in future.





Department Biochemistry

Swasthya Mahotsav, 2021 was conducted during 13th and 14th December 2022. Number of beneficiaries were Students UG and PG: Day 1: 90, Day 2: 95 Teaching: 4 from Somaiya K. J. Somaiya College of Science & Commerce (Department of Biochemistry) had organized “Swasthya Mahotsav 2022” on 13th and 14th December 2022. The event Started with the Campus prayer. Dr. Samidha M Pawaskar, Head, Department of Biochemistry then welcomed the speaker. Following eminent doctors delivered their talks Dr.Sushma Sonawane Topic:- “Stress, Distress & Destress” Dr. Rohan Nashikkar and Dr. Prachi Deval Topic:- “Renew Your Smile : Delivery at your doorstep” Dr. Vrunda Morepatil Topic:- “Better Eyes for a better life” Mr. Hemant Parab Workshop on “Personal excellence – Behavior/ Communication/Stress management” Panel discussion by Dr.Chetan Vedpathak, Dr. Geeta Ibrahim Ms. Kshitija Sawant Ms. Dhanashri Khedekar Kale Dr.Rohan Kesarkar Title:” Career Prospects of Healthcare Management” Mr. Narasimha Bhat Title: “Career Prospects in Food Safety Regulatory Compliance” Swasthya Mahotsav, also included health checkup camp (routine blood checking camp) organized on these days on ‘No profit no loss’ basis for the staff, students (&& their parents/relatives) of entire Somaiya campus. Overall the sessions were very helpful as there were many questions for each speaker from the audience comprising of Students and staff of Somaiya Vidyavihar. The event was very informative



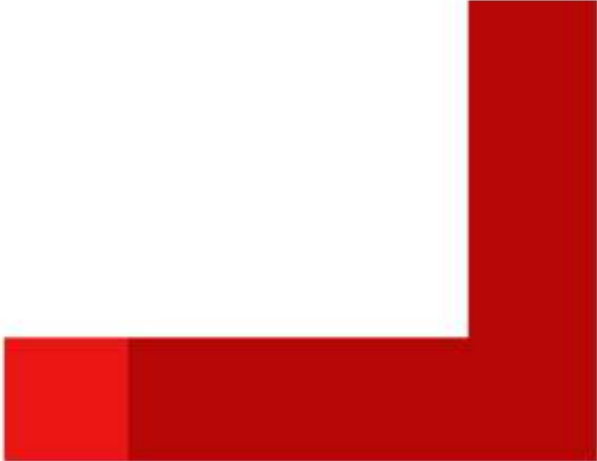


Exciting careers with packaging industry in India was conducted on 10th August 2022. Number of beneficiaries were Students UG and PG: 36 Mr. Aniket Lembhe started with the basic qualification and certifications required to join the packaging industry. He explained in detail about different types of packaging. An overview of this industry was given. Information regarding various job profiles in the packaging industry was given. Students asked their questions which were satisfactorily answered. Overall it was an informative session





Career opportunities in Scientific data management in India was conducted on 13th August 2022. Number of beneficiaries were Students UG and PG: 36 Mr.Vikrant explained about clinical research and the role of data management in clinical research. Overall information regarding Scientific data management was given. Information on Skills needed to enter this field was given. He shared his entire job profile with the students to let student understand the importance of scientific data management. Students asked their questions which were satisfactorily answered. Overall it was an informative session





Department Physics

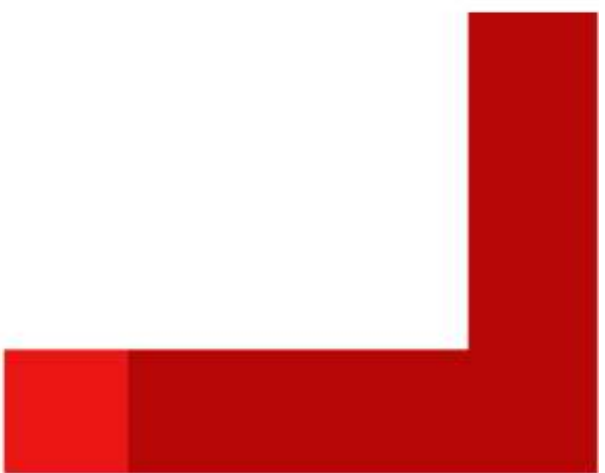
NSD-BARC Visit was conducted on 1st March 2023. Number of beneficiaries Students UG: 17 Students PG: 2 Teaching: 4 Nonteaching / Professionals: 00 On the occasion of National Science day BARC has float an open invitation to students for visit. This year the Science Day is being celebrated with the Theme-New Generation Nuclear Reactors to spread awareness on the potential of nuclear power for sustainable development and global well being. Grabbing this opportunity 17 students along with 3 teachers visited BARC, Anushikti Nagar on 01/03/2023. The visit started with a talk on the topic “Promoting Research and Development for Economic Growth” which focused on science education and application of science for the betterment of mankind. After the talk students visited various facilities in BARC. Main attraction of BARC for any science student is to visit a nuclear reactor. This dream was fulfilled by exploring DHRUV, the largest research reactor of India. Along with Dhruv, models of the Advanced Heavy Water Reactor also have been showcased. Working of these reactors is explained to the students in detail by the BARC experts. All the questions of curious young minds were answered to their satisfaction. After understanding the concept of nuclear energy and the process of energy harvesting it's turn to explore radioactive waste management. Students have visited the Remote handling and Robotics department where a demonstration was given how the radioactive waste is handled remotely and disposed safely using robotics and automation. Some of the students were also given hands-on experience of handling radioactive waste under the supervision of BARC experts. The live demonstrations with working models created vivid impact on young minds. The importance of nuclear energy was also emphasized to the visitors through a skite. After taking an extensive tour of the nuclear reactor and understanding its working and importance, students visited FIPLI where they were made aware about few more applications of nuclear radiation such as food processing . This processing is indigenously developed by BARC scientists. The prototype of food irradiation technique is demonstrated to the enthusiastic students. Where foods specially grains are irradiated by nuclear radiation with optimal radiation dose and time to increase their shelf life. The experts also discussed the theory and process of irradiation of grains for faster germination. Students were allowed to handle some samples of grains which were processed using nuclear radiation a couple of years ago. All were mesmerized by seeing it in good condition and knowing all their nutritional values are tested and found intact even after such a time gap. The medical Use of radiation were also showcased to the students with audio visuals and posters. The BARC scientist informed students about recent developments in radiation medical diagnostics like PET scan which is developed in BARC with the help of TATA memorial cancer hospital. At the end of the day all visitors were exhausted but thrilled by actually observing the developments made by our scientists in nuclear radiation applications in vivid fields.



Gender Sensitization was conducted on 16th June 2022. Number of beneficiaries were Students UG: 62 Teachers: 07 On Saturday, 16th December 2022, K J Somaiya College of Science and Commerce conducted a workshop on Gender Sensitization. In the presence of our valued Speaker Dr. Sadhana Bhatkhande, faculty, and students, the program began sharply at 10.00 am in the KJSSC seminar hall. The program was started by Ms. Krutika Jain, a member of the student organizing committee. Starting with a warm welcome she greeted the Speaker Dr. Sadhana Bhatkhande and Mrs. Seema Deshpande the president of Bharatiya Stree Shakti also teachers, faculty, and students, attending the seminar with a welcome note. The workshop began with a prayer of the Somaiya campus by Dr. Shruti Barue. After the prayer, Dean Dr. Smita survase was invited to give a welcome address, and then Dr. Hemangi Bhagwat, Convenor of the session spoke about the concept of workshop often then Mrs. Seema Deshpande was invited to brief about B.B.S, afterward, Ms. Nisha Jain introduces the Speaker Dr. Sadhana Bhatkhande describing her degree in psychology and masters in social work from Tata Institute of Social science Currently she is heading the social work Department of Kem hospital. Her doctoral thesis is based on issues of adolescent children of mentally ill parents holding MA in Marathi. Her book on menasparshi is associated with Bharatiya Stree Shakti. Our Speaker Dr. Sadhana Bhatkhande started with an interesting eye-opening pictography session and explained the reality of gender roles today and elaborated on it. That the women and girls help more in domestic household work than men. Later she also played audio reciting a Man's sacrifice for his family to understand another side of gender. Also continuing that she talked about incidents she has deal with stating 'How small tender children face their parent's ill mental consequences?' and explaining scenarios an adolescent has to go through. Ma'am continued the session by presenting points on How will gender equality benefit Men /Women?. There are many benefits both men and women will have if they understand and support each other personally and professionally. Later, the Q&A session began, during which attendees raised questions and incidents they recently come across to know what is right and wrong in the case like Rape Dr. Sadhana Bhatkhande ma'am

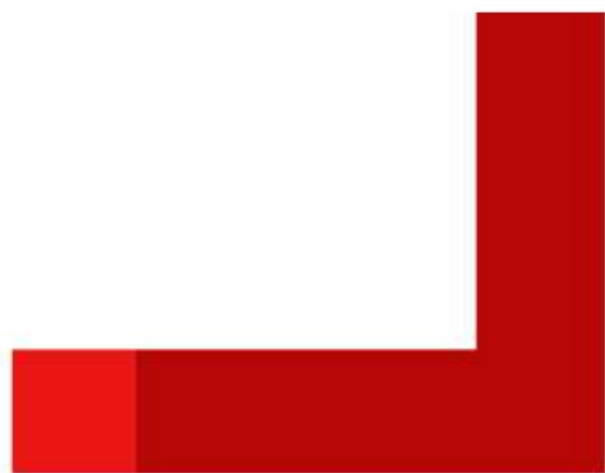
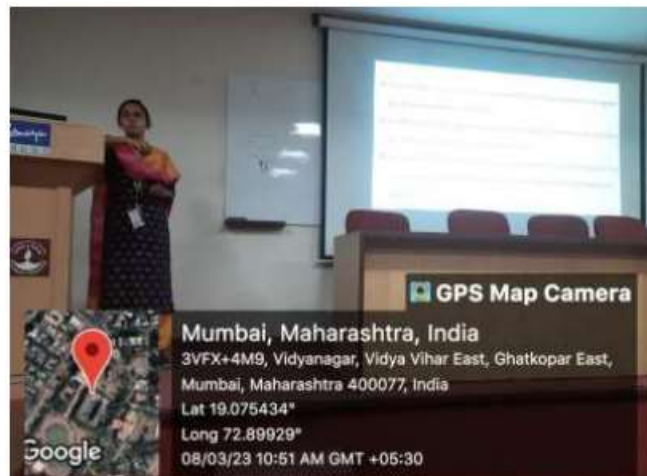


and Seema Deshpande answered the right way to deal and made them aware of the procedure, tests applicable that happens afterward and you can trust the Law for justice and it is not biased because you are a particular gender. The workshop was then concluded with a vote of thanks given by Dr. Suganda, in which she thanked Dr. Sadhana Bhatkhande, the organizing committee and faculty attending the session, the students organizing the event, and most importantly the audience for their participation in the workshop.





International Women Day Celebration was conducted on 8th March 2023. Number of beneficiaries were Students 42 Teaching:16 The program began with Somaiya tradition by reciting campus prayer by Dr Shruti Barve. Initially some students were asked to name of one teacher, doctor, politician, sports person and film personality. Except politician (Indira Gandhi) all other persons named by students were male which clearly showed our stereotype thinking. We live in an age inundated with advertising. Advertisements can be one of the best tools for changing society. But instead of giving out the right message most of the ads convey a stereotypical message. After that Dr Smita Survase showed few advertises which portrayed this stereotype image of women. Students expressed their views on all the advertises and they agreed that this need to be changed. The last video showed was an appeal by a sister to a brother. She appealed him not to use abusive words related to mother and sister. Dr Smita Survase and Ms Nyasa recited the poems which were apt for the day. Dr Pallavi Raote conducted a small quiz session. Few photos of renowned male and female personality were shown. Students were not able to recognize Dr Kamla Sohni, the first female (Indian) PhD holder. Dr Pallavi later spoke on the achievement of Dr Sohnie and the hardships she faced. Later a short film on Dr Anandibai Joshi was shown to the students. Dr Hemangi Bhagwat appreciated the efforts taken by department of physics. She also added that next year, we can ask students to collect such advertisements. Later Dr Geeta Nair offered official vote of thanks





Nuclear Energy – Indian Prospective Celebration was on 27/08/2022. Number of beneficiaries were Students UG: 25 Students PG: 29 Teaching:12 Nonteaching / Professionals:00 The talk was organized to create awareness about nuclear energy among students and understand the present scenario in Indian context. The speaker Dr. Annuridha Kumar is expert in the field of nuclear fuel fabrication. The lecture was started with the explaining the concept of nuclear energy and related theory. It also discuss the essential characteristics of atomic structures and spin consideration for any nucleus to be fissionable and hence explain the necessity of certain isotopes to for generation of nuclear energy in first half of the lecture. In second half of the lecture Dr. Annirudha Kumar covers working of basic reactors and difference between different reactors on the basis of Moderators used in it. He also discusses the possibility of use of Thorium as a fuel of reactor through introducing in the reactor along with U233. The lecture also covers fuel fabrication techniques used in the nuclear fuel fabrication centres and challenges. Dr. Annirudha kumar also address the issue of nuclear radiation safety and waste disposal at the end of lecture. During question answer session students interact with the speaker enthusiastically and discussed on various questions related with nuclear energy and radiation.



Backbone of Information Society was conducted on 13th September 2022. Number of beneficiaries were Students UG: 83 Students PG: 19 Teaching: 14 Nonteaching / Professionals: Nil Department of Physics committed to foster overall development of students through various workshops, seminars and hands on training covering wide range of topics on Physics and Applied Physics. Dr. Raghunath Shevgaonkar, Provost, Somaiya Vidyavihar has delivered excellent session on ‘Backbone of Information Society’ between 10:30 a.m.-11:30 a.m. He explained importance of optical fibre communication in modern science and technology. He explained fundamentals of light transmission through optical fibre. He connected dispersion of light and information storage phenomena. He threw light on extent of data generated every day in the Information Society. He concluded his talk by explaining usefulness of optical fibre based data storage devices.



Department Statistics

Lecture on “Demography and Population Studies” was conducted on 07th September 2022. Number of beneficiaries were Students UG: 30 Teaching: 4 The lecture began at 10:15 after the brief introduction of the guest lecturer i.e. Dr. Rahul Bawankule sir. He began his talk by discussing the historical and current trends in the world population and its growth and variations. He then talked briefly on the population trend seen in India. He gave a detailed knowledge on the various sources of data collection for population study like population census method and the vital statistics system and also discussed the various national and international publications based on population study. He then focused on the concept of migration and its study which included its data collection, methods for measuring migration within the country and also talked in brief on differential migration. Lastly, he talked on the topic population projection, its types, methods of interpolation and extrapolation. At the end there was question-and-answer session along with the students and with this, the lecture ended at 1:00 pm.

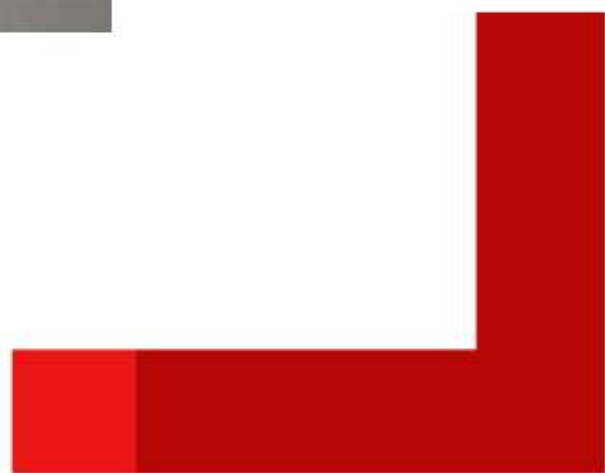


National Statistics Day was conducted on 29th June 2022. Number of beneficiaries were The event was conducted for the SY and TYBSc students of Statistics department on 29 June 2022 on the occasion of the birth anniversary of Mr. P. C. Mahalanobis which is celebrated as National Statistics Day. The event started at 9 am with the welcoming of the teachers and students followed by the Somaiya prayer. The principal, Mrs. Pradnya Prabhu mam and the Head of Statistics department, Mr. Prashant Shah enlightened the students with their speeches. The guest of the event, Mr. Tanmay Ghanekar was felicitated by Mrs. Madhavi Jardosh. In his lecture on career in Data Science, Mr. Tanmay spoke on post academic options for data science, the tools and technologies required, sectors with job opportunities and the future scope and technology in field of Data Science. After the lecture, he had a question-and-answer session with the students. A few students from SY BSc And TY BSc presented presentations on P. C. Mahalanobis and application of statistics. Also, a game based on investments was arranged for the students. The game helped the students in understanding concepts like stocks, bonds, forex and other some business terms. The event ended at 1 pm with the vote of thanks.





75th Independence Day was conducted on 13th August 2022. Number of beneficiaries were Students UG: 30 Teaching: 7 The Statistics department celebrated the 75th Independence Day in their classroom. The preparations began with the planning of the event and the decoration of the classroom. The Statistics department students made posters related to Independence Day. A day prior to the program, the students, with the guidance of their teachers, prepared banner, toran, etc, for the decorations. On the day of the program, the students started the classroom decoration at 7:00 in the morning. They decorated the walls with the national flag, slogans, posters made by the students, balloons, etc. The students also decorated the college entrance with the handmade paper torans, rangoli, balloons and blackboard decoration. Students prepared presentations and held discussions on the Indian freedom fighters, the journey of India in achieving independence, development of India in various sectors post-independence, etc.





Sankhyashastra was conducted on 19th January 2023. Number of beneficiaries were Students UG: 75 Students PG: 2 Teaching:5 Nonteaching: 0 On January 19, 2023, Sankhyashastra was organized by the students of Statistics Department along with the teachers of K J Somaiya College of Science and Commerce. This was the first year post pandemic that the fest was organized in offline manner, yet the fun and excitement regarding it was seamless. The entire fest was conducted in the seminar hall as well as some games were held in room no. 303 wherein, students and teachers displayed acts of creativity and systematic organization. The event began at 9 am. The event started by somaiya campus prayer recitation. Then, the Head of Statistics Department, Mr. Prashant Shah Sir, addressed the virtual gathering. The statistical song composed by Dr. A. P. Gore, Applied Statistics and Analysis Expert was played during the event followed by the recitation of poem by Ms. Omika Madaye. Then the host introduced the chief guest lecturer for the event, Mr. Abhay Walimbe. He delivered an enlightening talk on the topic of "Application of statistical tools in financial markets".The speaker first introduced different types of market and the options available under every market. Then he gave some idea about the pre-requisites in Nifty. The different types of risks & amp; returns were discussed along with the statistical tools like regression, moving averages, standard deviation; mean applied to calculate the various measures. He also took a small case study to explain better. Later our alumni Ms. Shraddha Indulkar showcased her project which was presented in the form of a comic book. Later another alumni Mr. Bhushan Chaudhary also explained his journey in the field of pharmaceuticals and how students must approach the industry while giving interviews and what are the pre-requisites to have an edge while clearing the various rounds in exams as well as industry. Later, Miss. Poonam Deshmukh was felicitated as she came third (topper) in last year final exams. Post that, & quot; Presentation Competition" was conducted .The judges for the event were Mrs. Arati kore from Department of Statistics, Ms. Shraddha Indulkar & amp; Mr. Bhushan Chaudhary. During the competition, participants presented their analysis & amp ; interpretation on the data provided by the team. After reviewing all the ppts, winners were declared. Similarly, there were other competitions that were carried out like Balloon Buster, Statsie, Dekh Raha hai Binod? & amp; Silent Voice. In this manner, after completion of all activities, Sankhyashastra 2022-2023 came to an end at 5:00 pm.

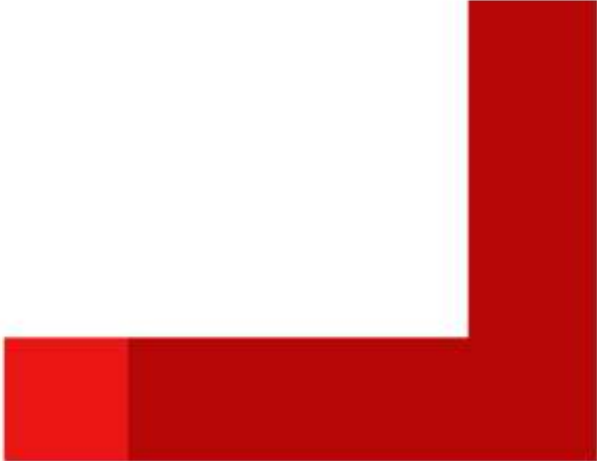


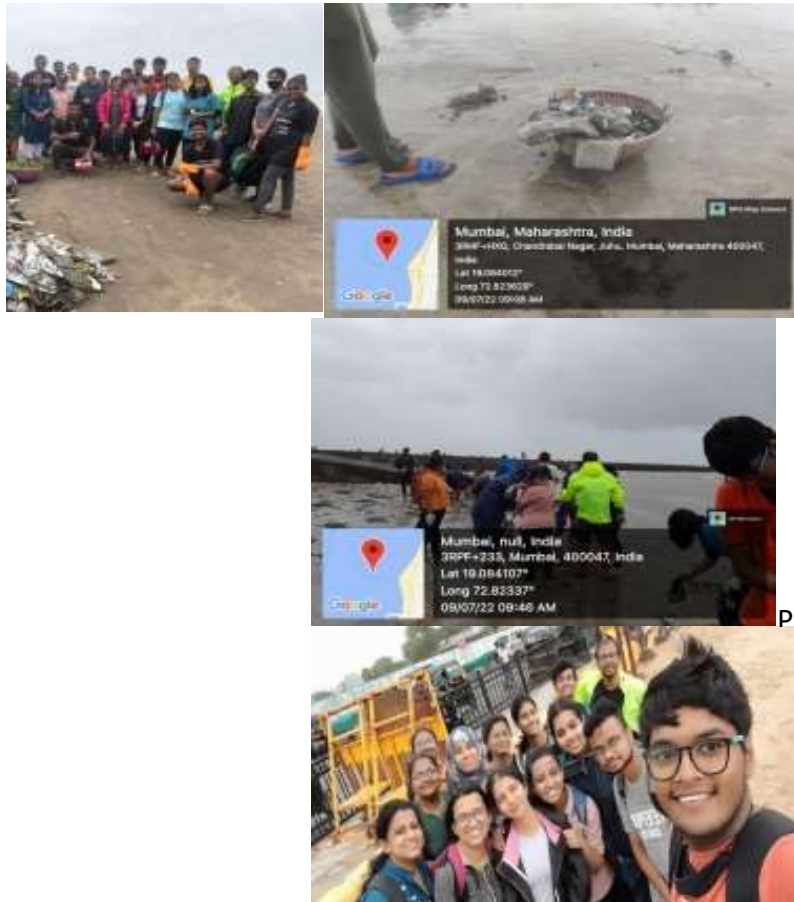


Parakram Diwas was conducted on 23th January 2023. Number of beneficiaries were Students UG: 30 Teaching: 16 Nonteaching: 1 On Monday, January 23, 2023, The Department of Statistics of K J Somaiya College of Science and Commerce celebrated 'Commemorative Day' on the occasion of the 126th Birth Anniversary of Netaji Subhas Chandra Bose. It is also known as 'Parakram Divas'. The online program began with the campus prayer followed by a lecture of the guest speaker Mr. Ajay Pathak. He started with the history of Subhash Chandra Bose childhood. Then he explained how he left his civil services and participated in the freedom struggle for India. He met various personalities like Hitler to get help for fighting against the British. Cdt. Sneha Tiwari gave a short speech on Netaji Subhash Chandra Bose to India's Freedom Struggle. Later Cdt-Shruti Yedke recited a melodic patriotic song, "Bharat Humko Jaan Se Pyaara Hain". The Head of Statistics Department, Mr. Prashant Shah sir addressed the virtual gathering and remembered the invaluable and heroic contribution. Several teachers and students applauded the event and paid respect to Netaji's boundless courage and valour. At the end, a feedback link was sent in the chatbox .

Department Zoology

Beach Clean-up activity And 2. Beach Walk (under Zoology Club) was conducted on 9th July, 2022. Number of beneficiaries were Students UG: TYBSC - 13 Students PG – 12 Teaching: 1 The students of K J Somaiya College of Science & Commerce decked in raincoats started cleaning up the plastic trash at the Juhu Koliwada section. The beach cleanup drive was organised by the Beach Warriors The day began with a sea snake lying on the sand, struggling to make even the smallest of movements due to a plastic around its body which caused a huge bulge, leading to starvation. Later it was found dead as it was not able to regurgitate the food. This incident was a driving force for all, we were handed gloves & baskets, and set to work. Pick up plastic, remove sand, and dump it in the basket. Rinse and repeat. Working on the muddy part of the beach, the trash we found there was caked in mud. Had to find little pools of seawater to rinse them out . We found all kinds of trash from small chocolate wrappers to big shopping bags and even nets. There were quite a few tobacco packets and a surprisingly large amount of milk packets, some of them dating back to 2014. We had to empty the baskets on a pile of trash off to one side. 2 hours of cleaning gave us this small pile to show for it. While not much, it did make a small portion of the beach look a little bit cleaner. This isn't a one-day job. It'll take continuous efforts and a lot of public awareness to make a difference. Plus a proper disposal system is in place along with a ban on most single-use plastic products. After the beach clean-up, we went for a small beach walk. Next, we went on a marine walk along the sandy part of the shore. The Checklist of Species along with a list of waste collected is attached below.





Open Day of Museum for School children was conducted on 03/02/2023. Number of beneficiaries were Students :78 Jr. Kg students, 4 teaching faculty and 4 non- teaching staff

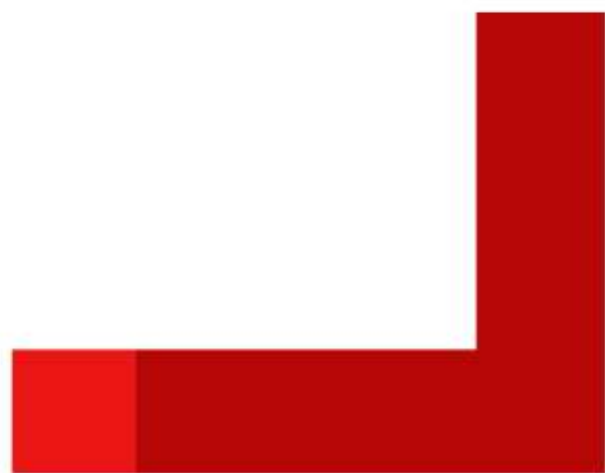
- The visit started at 10:00 am
- Students of M.sc1 and Department faculty of the interacted and explained them about the several specimens to the students of The Somaiya School.
- Specimens of several marine creatures and insects were displayed for the students for observation.
- The queries of all the children were answered by all the staff and msc students.



Field visit- Pune was conducted during 25th Aug, 2022 to 26th Aug, 2022. Number of beneficiaries were Students UG: TY and SY.BSc -43 Students PG: 03 Teaching: 02 Nonteaching: -00 The excursion was organised for two days on 25 and 26th August 22. There were total 43 students from SY.BSc (BZ and CZ combination), TY Zoology and Msc part 2 accompanied by two teachers Ms Chetana Kanekar and Ms Roshani Yadav. First day visited Sai Agro Farm where the students gained knowledge on the functioning, making and the maintenance of an animal husbandry farm. The students there could see different kinds of animals like cows, goats, pigs, hens, turkeys, hamsters and even decorative pigeons of various kinds. On the same day the next place visited was the Tamboli Fish Seed Farm, an aquaculture farm where the students could once again understand the making, process and the maintenance of an aquaculture farm. Here students gained practical knowledge of how to set up a fish farm. They experienced different types fish culture farm was maintained and they were shown different breeds of fish. After the last visit for the first day the students and the teachers stopped overnight in pune at the NOORYA Day 2-visit was at the Bhagyalaxmi Cow Farm(here No camera allowed) Here the students could understand the automatic milking process of more than 2000 cows at the same time. The students were given information on the maintenance of the plant and the milking process. After the cow farm the next and the last visit was the GO CHEESE PLANT - ASIA'S BIGGEST CHEESE PLANT(here no camera Allowed) where the students could on hand watch and experience the cheese making process of all the different kinds of cheese, after the visit the students were provided with go cheese gift hampers.



World Mangrove Day Celebration on 26th July, 2022. was conducted on 26-07-2022. Number of beneficiaries were Students UG: 52 Students PG: 13 Teaching: 4 Nonteaching: 2 The Field Visit to Godrej Mangrove, Vikroli, Mumbai on the occasion of ‘World Mangrove Day’ Celebration on 26 th July, 2022 was conducted from 8 am to 1 pm. The field visit included 65 participants, including undergraduate and post graduate students from Zoology Department of KJSSC. The field visit was Inaugurated by a talk delivered by our guest speaker, Mr. Hemant Karkhanis who joined us at Godrej mangrove, Vikroli, Mumbai. The session was further taken up by the post graduate students who delivered an informative talk on Ecology, Flora and Fauna of Mangrove. The knowledge shared was very well received by the students as important aspects and conservation strategies for mangroves was discussed. The learners also were taken for Nature Trail where they observed varieties of Fauna and Flora associated with Mangroves and also visited the Interpretation Zone of Mangrove Center at Godrej. The Interpretation Zone showcased excellent videos and photographs of Mangrove Habitat, Floral and Faunal species of Mangrove. This Field Visit was organised and accompanied by Dr. Vikrant Deshmukh, Dr. Shanti Upadhye, Ms. Roshni Yadav and Ms. Meghna Verma along with two non-teaching staff. The concluding session was conducted by giving vote of thanks to Guest Speaker and asking the learners to share their best memories and experiences during the Field Visit. The Field Visit ended at 1 pm.





Field visit- Malvan was conducted during 19th Jan, 2023 to 24th Jan, 2023. Number of beneficiaries were Students UG: TY - 17 Students PG: 08 Teaching: 04 Nonteaching: -00 The excursion was organised for six days on 19th and 24th January 2023. There were total 25 students from TY Zoology and Msc part 1 accompanied by four teachers Dr.Vikrant Deshmukh, Ms Roshani Yadav, Ms.Meghna Verma and Ms. Divya Sarang The excursion group travelled to Kudal via Janshatabi express (Departure time: 5:10am) and reached the destination at 12:30 pm. The group halted at The Pride Konkan, Malvan for the entire excursion. The details of the excursion are as follows:

19th Jan 2023: Day 1

- 1)Sindhudurg Fort: Gained knowledge on the history of Sindhudurg fort ,students also observed marine fauna (Sea Cucumber, Sea gull, Sea snake etc.)
- 2) Dandi Fish Auction: Different sp. of fishes, mollusc was identified by the students.

20th Jan 2023: Day 2

- 1)Devbaug : Visited Sangam Point, Boat safari, Dolphin site ,Golden Rock. In addition, the group observed different species of Mangroves.
- 2) Indian Institute of Scuba Driving and Aquasports: Interactive sessions on career guidance by Mr. Vivan Rane (Briefed on different certificate courses in Scuba through the form of presentation).



21 st Jan 2023: Day 3

- 1) Hiranyakeshi: New freshwater fish species Schistura hiranyakeshi was observed.
- 2) Amboli Nature Trail: The group visited Prarikshit point. Various snake species (Malabar pit viper, vine snakes), insects and so on were observed.
- 3) Crocodile point,: Number of crocodiles were observed at the site with help of Mr.Charatkar.
- 4) Dhamapur Lake: Being famous for the birding, the students observed different species of birds. The day ended with the beautiful site seeing of birds.

22 nd Jan 2023: Day 4

- 1) Hadi : Visited Chetana Fibre Boat Building . Here Mr. Sanjay Tari explained the manufacturing, export and uses of different fibre boats to the students.
- 2) Aachara Beach: The students were excited to observe the nesting sites of Olive Ridley Turtles. The tour at Aachara beach ended with beautiful sea shore walk
- 3) Kunkeshwar Beach: Being the rocky shore, the team visited the site during low tide. Various tide pools were seen at the beach due to which marine flora and fauna explored by students (sea cucumber, sea urchin, star fish, sea hare and so on).

23 rd Jan 2023: Day 5

- 1)Tarkarli Beach: The day begin with the sea shore walk along the Tarkarli beach.
- 2) Nivti -Akash Fish meal and Oil pvt. ltd.: The students gained knowledge of fish meal and oil processing unit. Mr. Shyam Sarang, Director gave the brief summary of the company and the processes in details to the students.
- 3)Devli: The students were explored to Prawn culture with help of Kanade Aquafarms. Mr. Anil Dalvi explained to the students about various techniques, maintenance and culturing prawns (Venami)

24 th Jan 2023: Day 6

The last day of the tour marked beginning with the walk on Chivala Beach and market visit. Finally the excursion ended with the return journey via Janashatabdi express back to Mumbai (Departure: 4:00 pm).



Field visit- Byculla Zoology was conducted on February 10th, 2023. Number of beneficiaries were Students UG: SY -62 Teaching: 04 Nonteaching:-00 The one day visit to the Zoo was organised for SYBSc students of both CZ and BZ combination.70 students had enrolled for the same. However on the day, 62 Students turned up for the visit. The students were accompanied by four teachers Dr.Vikrant Deshmukh, Dr. Amol Patwardhan, Dr. Shanti Upadhye and Mr. Rishiraj Duggal. After basic instructions and ticketing formalities, the group entered the Zoo at 10.15 am. Dr. Abhishek Satam met us at the gate itself and was kind enough to take the students from exhibit to exhibit, sharing indepth knowledge and hidden insights about the various animals, their feeding patterns, interaction with the handlers, cleaning of the enclosures, enrichment activities etc. The students learnt about each animal on a first name basis, like Anarkali the elephant, Shakti the Tiger, Arjun the leopard and so on. In this way they could identify better with the animals.The much acclaimed Humboldt Penguin Exhibit was the icing on the cake. The students were shown two films in the AC hall, pertaining to the journey of the renovation of the Byculla Zoo and the installation of the Penguin Exhibit.



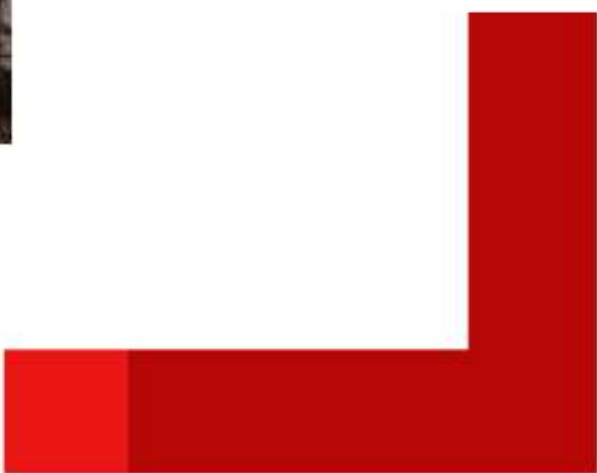
Museum visit- Chhatrapati Shivaji Maharaj Vastu Sangrahalaya was conducted on March 8, 2023. Number of beneficiaries were Students UG: FY -28 Teaching: 04 Nonteaching: -00 The visit was organised for a day on 8th March 2023. There were total 28 students from FY Zoology accompanied by four teachers Dr.Amol Patwardhan, Dr.Shanti Upadhye, Mr.Rishiraj Duggal.and Ms. Divya Sarang The group reached the museum at 2 pm. The details of the visit are as follows: 1) The group met Mr. Akil Sayid, Documentation Assistant in the Natural History Department of the museum.

2) Mr. Akil introduced 2 sub divisions ie: Birds and Mammals section of the Natural history Department to the students which was very informative.

3) After the informative visit to both the sections, Mr. Akil explained in detail the process of taxidermy with demonstration for birds , mammals , fishes and so on with the students. This was an interactive session where students understood the concept of taxidermy easily.

4) In addition, the students were introduced to the natural history department s laboratory where the group were shown various preservation techniques practised for various specimens.

5) The visit ended with a thankful note to Mr. Akil Sayid for sharing his valuable knowledge and time.





ZORILLA presents MORPH '22 was conducted during 9th January 23 and 10th January 23. Number of beneficiaries were Students UG: 300 Students PG: 20 Teaching: 10 Nonteaching: Nil The Department of Zoology organised its annual intercollegiate department fest Zorilla on 9.1.23 and 10.1.23, from 8 am to 5 pm at Seminar Hall, KJSSC. The theme this year was MORPH, signifying the change or metamorphosis that takes place in animals with respect to development. Morph comes from the word 'Metamorphosis', which is a Greek word meaning 'Transforming'. This year at Zorilla, we aim to transform our ideas into reality. Inspired by the changes in and around our surroundings, we desire to bring the best of us to this fest. We cannot become what we want by remaining what we are. There is nothing permanent, except change. We like to believe that change is hard at first, messy in the middle and gorgeous at the end. The program started with the Inaugural talk by Dr. Sanjay Tripathi, Director, Veermata Jijabai Bhosale Udyan and Zoo. Sir spoke on the importance of Zookeeping and Wildlife Conservation. He, also talked about the extensive work and development taken place at Veermata Jijabai Bhosale Udyan and Zoo and challenges faced during the development. He also discussed Career Opportunities in Animal Zoo and Museums. Followed by the Inaugural Talk, another expert talk was delivered by Mr. Anand Pendharkar, CEO and Founder of SPROUTS Environment Trust. Sir, discussed about Life on an Island with emphasis on Faunal diversity on shores of Mumbai coast. The talk was very well received by the young enthusiasts in the audience who had a barrage of questions for the speaker at the end. The Talk ended at 12.30 pm. This was followed by the first event Fauna Race, Baaz ki Nazar (Wildlife Photography Competition) and Sher ki Kala (Poster Competition) which had many entries in the DSLR and mobile section. The judging was based on relevance to theme and some questions were also posed to the participants by the judges to explain their ideologies. The third and event was Raazleela, which was a Mystery gamewhere the participants had to solve mysteries based on logic. The fourth event was Treasure Hunt – Lucky Lakadbagha which we organise every year on campus. The participants had to find Treasure hidden in Campus by solving clues, doing tasks and referring to the Map to reach the ultimate goal. It was fun filled and nail-biting event. The maximum participation was in these two events, as all the participants enjoyed fun-filled activities during both the events. The next event was Wiseउल्लू where the team had arranged a wonderful quiz contest based on General Knowledge, Wildlife, Environment and related topics. There were three rounds viz. mindscribbles, over simplified synopsis, notion negotiation and JAM! which really made the participants rack their brains! The questions involved animal calls, theories, images, crosswords, etc. The next event was Jugnu which was a Animal Housie or Animal Bingo game– where the participants were provided with tickets and they had to play the Bingo game by crossing the pictures of animals on their tickets. The first person to cross all the animals on their respective ticket wins. It was an interesting event where along with participants, faculty also played and enjoyed the event. The next event was Pawfect – which was an online Pet Video Competition where activities of Pet Animals was recorded in the form of videos and was played on the screen and the most funny or cute video of Pet Animal was selected as a Winner. All the audience had a Great time during this event. The valedictory ceremony began at 4.30 pm which started with the Guest Talk by Dr. Abhishek Satam, Biologist on Role of Zoo on Education and Conservation. The talk was well delivered and enjoyed by the young

wild lifers; the session also has a Q & A Session where most of the queries of audience were addressed. It and was a beautiful culmination of the month-long efforts with the team delivering a thanking speech, of their memories during Zorilla preparation and Fest. It was wonderful to see all of them happy as they learnt and enjoyed while learning a lot of new skills. It was an emotional high for all the staff. After this the prizes were announced, and the day ended with a Happy Group Photo of the many smiling faces.



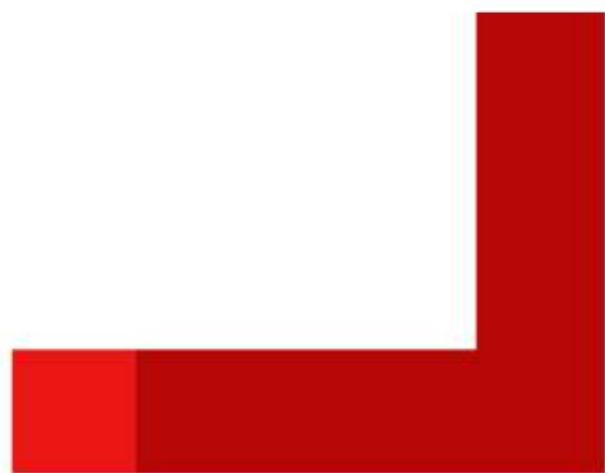
Azadi Ka Amrut Mahotsav: t-shirt painting slogan writing was conducted on 12th August, 2022. Number of beneficiaries were Students: 12

- On 12 th August 2022, the department of Zoology celebrated the 75 th Independence Day t-shirt painting competition.
- The theme of the event was Independence Day slogan writing.
- 12 students participated in the competition.
- Students participated were from different academic year- TYBSc, SYBSc, SYBA (S.K. Somaiya)
- The event commenced with colorful ideas of patriotism and support. The participants then displayed their art work for judging and public view.
- Winners of the contest:





Quizdom on Economics and Constitution of India was conducted on 12th August, 2022. Number of beneficiaries were Students: - 70 The quiz on Independence Day Named Quizdom on Economics and constitution of India. The quiz link was shared to Sybsc, Tybsc, Msc part1&2 during the lectures through whatsapp group and link was active from 9am to 9pm on 12 th August, 2022. The quiz was conducted as a part to celebrate Azadi ka Amrit Mahotsav to mark the 75 th year of Independence Day. And to test students their basic know about the country’s Economics & Constitution. The Quiz consist of 15 questions on the same topic. As it was online, 70 responses were received. The marks were released to students once they submit the answers. Majority students received average marks. Overall, the Event was just an tip of iceberg to know about our country more and even this event encouraged students for being Patriotic.



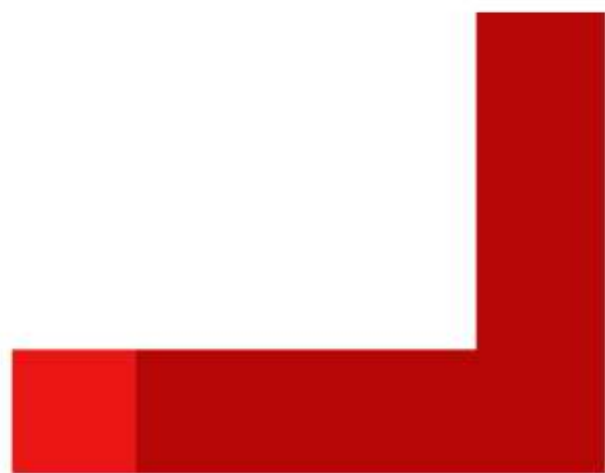


Poster Making Competition was conducted on 24th October, 2022. Number of beneficiaries were Online Mode On 24th October 2022, the Zoology club organised a Poster Making Competition. The topic of poster making was How to celebrate Diwali Responsibly and safely & As it was an online event the link for poster submission was shared to the participants from FYBSc to MSc There were 2 categories of poster; Digital and Handmade. There were separate winners for Digital poster and Handmade poster. The winners of this round were declared by students vote. The one who received more number of vote won the competition. The overall event was just a glimpse on how can we celebrate the festival of Diwali Responsibly and safely.

Wildlife week Celebration was conducted during 4th October 2022, 6th October 2022, 7th October 2022. Number of beneficiaries were Students: - 70 Counting on the Wildlife week , On 4th October 2022, the Zoology department organized a Seminar on World Animal day. The session was conducted from 1:00pm to 2:00pm. The programme was inaugurated by our Campus Prayer. The event became more interactive and interesting with performance such as poem recitation on Animal Day. Students also delivered a speech on Importance of Animal Day. Later, our honourable guest speaker Ms. Revati Vispute shared her views on Animal Day and also shared her journey of Masters and Thesis on Honeybee. She also interacted with students and cleared their various doubts. On 6th and 7th of October we showed students 2 documentaries related to wildlife. Overall, the event was just a tip of an iceberg, to know about Wildlife week and the reason behind celebrating it. The event was concluded by acknowledging everyone's appreciation



Careers after Zoology Talk by Niket Alashi- Research Fellow at WII was conducted on 18th August, 2022. Number of beneficiaries were Students :- 54 Teachers: 6 Students of M.sc part 1 & 2 and TYB.sc attended the session of careers after Zoology Talk by our guest Speaker Niket Alashi who is currently working as Project Assistant in WFI. He shared how he got into WII, His experiences working under various scientists and projects he handled. He also shared about the current project he is working on that is management planning of crocodiles. He talked about various careers and opportunities opened after graduation. He motivated students to take up small research projects in colleges which will help them when they graduate from college. Students even went personally and interacted with him. Niket guided them to reach their goals or set the goals. The event was helpful for many students.



Nuts and Bolts of Scientific writing was conducted on 22/11/2022. Number of beneficiaries were Students: 28 PG students and 6 teaching faculty - The workshop started at 9:20am

- Students of M.sc1, M.sc-2 oceanography and Entomology attended the seminar
- Ms. Khushboo Punjabi, Junior medical writer was the guest speaker
- The Workshop was brought to light by De. Shanti Upadhye and Ms. Chetana Kanekar approved by HOD Dr. Vikrant Deshmukh
- Ms. Khushboo Explained the management of reference for thesis writing, data management using google docs by Paperpile
- How to use paperpile from extension by adding desired writeup/ article
- Styles of citation (Van carver, Chicago)
- How to do referencing using DOI in Sci- hub
- By using tool- Quillbot while writing reduces the grammatical mistakes
- How to do cross referencing
- How to do know which article to be published in which journals (Journal guidelines)
- Reliable source of scientific information is Pubmed, sci-hub
- The students and staff got hands-on training as they were doing it on their laptops while Speaker was teaching.



Committee activities

GURUVANDANA was conducted by Department Name Marathi Vangmay Mandal on 13th July 2022. Number of beneficiaries were Students UG: Students PG: Teaching:50 Nonteaching: Dated 13th July 2022 at 10:00 AM K J Somaiya College of Science and Commerce, Vidyavihar, Mumbai Gurupurnima under the Marathi Literary Society of the college The program was organized. Teacher's welcome flower It was given and perfumed. As per college custom The program started with a prayer. Then the Marathi language As the board has started anew, the principal on the same day Dr. Pragya Prabhu, Vice Principal Dr. Lolly Jain, Dean Academics Dr. Smita Dr. Suravse and Dean Research. Lighting of the lamp by Rohit Chauhan The inauguration ceremony of the board was also held. To worship Ganesha after lighting the lamp College students Manjiri Karkhanis and students Sanika Pandav performed Ganesh Vandana dance. Then this year In honor of 3 retiring teachers of the college came Student Bhuvnesh Purohit and student Chaitanya classically Two instruments of music i.e. Tabla and Petchi, performed in accompaniment made Student Shamita Sherigar and Student Sadhana More Sung by A little bit about teachers from their busy lives Organize a fun game to relax had come and the program concluded with the national anthem. This whole Statement of the ceremony and thanks to the teachers and students Expressive student Mrinal Lambe did it beautifully. Seminar A beautiful rangoli was drawn near the entrance of the hall and The entrance was decorated with flower arches. This Program for teachers and students of the college The celebration was very enthusiastic due to the attendance.



Workshop of Statement was conducted by Department Name Marathi Vangmay Mandal on 18 th October 2022. Number of beneficiaries were Students UG:20 Teaching:5 October 18, 2022 at 9:00 a.m. - Somaiya College of Science and Commerce, Vidyavihar, Mumbai Under the Marathi Sahitya Mandal of the College, Statement Workshop was held. How to make a statement by Manoj Belikatte He said this. How do they hold the mic, the ups and downs of their voices, How to stand on stage, the narrator's body language, He said a lot of things. Best way to make a statement to an audience I could learn. Student Mrinmay Naik presented the workshop. Beautifully done. The programme concluded with student Komal Shinde Thank you.



Identity again was conducted by Department Name Marathi Vangmay Mandal on 03rd December 2022. Number of beneficiaries were Teaching:25 Students UG: Students PG: On December 3, 2022, at 2:00 pm, 'Punsh Asmita' was held at Sakarben Karamshi Somaiya Auditorium under the Marathi Sahitya Mandal of K J Somaiya College of Science and Commerce, Vidyavihar, Mumbai. Students from the 1997 to 2021 academic year came together to celebrate the ceremony. The programme started with theatre and nataraj puja and lighting of lamps. Colleges Principal Dr. Pragya Prabhu lauded the journey and success of the asmita ceremony. Alumni performed an orchestra. The show ended with a Marathi step forward and a passover. The event was hosted by alumnus Mr. Manoj Belichick, Shri. Swapnil Parshurami and Shri. Roshan Kadam did.



Indian Language Day was conducted by Department Name Marathi Vangmay Mandal on 12th December 2022. Number of beneficiaries were Teaching:2 Students UG:30 On December 12, 2022 at 8:00 am, K J Somaiya - College of Science and Commerce, Vidyavihar, Mumbai Sarva Bhasha Diwas under Marathi Sahitya Mandal of the college Celebrated. Students from different languages come together In their mother tongue, they learned about their traditions and culture. Given and translated into Hindi language and explained its meaning. Other students learned different languages. Students Tulu, Bengali, Oriya, Urdu, Gujarati, Bhojpuri and Sanskrit languages Used



Bibliography was conducted by Department Name Marathi Vangmay Mandal on 26th January 2023. Number of beneficiaries were Teaching:10 Students UG:50 On January 26, 2023, on the occasion of Prajastak Diwas, the Marathi Sahitya Mandal of K J Somaiya College of Science and Commerce took out a book launch at the flag hoisting ceremony to be held at Somaiya Campus. On this day, Sameer Somaiya sir, head of Somaiya, was present. The flag was hoisted by him. Presentations were made from various colleges on The Somaiya Campus. The book was presented from K J Somaiya College of Science and Commerce. The children performed the lezim and danced the book choir. The students also played drums.



Food fair of Maharashtra was conducted by Department Name Marathi Vangmay Mandal on 10th November 2022. Number of beneficiaries were Teaching:3 Students UG:12 On November 10 2022 at 10:00 am K J - Somaiya College of Science and Commerce, Vidyavihar, Mumbai Under the Marathi Sahitya Mandal of the college Maharashtra A food fair was held. Students The food of Maharashtra was made from home and its Stalls were set up in the college premises. Food items like puranpoli, modak, jhunka bhakar, etc. and A stall of beverages like salkadhi, buttermilk, etc. was set up. The college principal started the sale. Lord of Wisdom It was done by them. All the teachers in the college, Non-teaching staff and students of Maharashtra's food I thoroughly enjoyed it. Food in Maharashtra The purpose of reaching out to everyone was achieved.



Asmita 2022-23 was conducted by Department Name Marathi Vangmay Mandal during 12th January and 13th January 2023. Number of beneficiaries were Teaching: 30 Students UG:200 Like every year, this year too, the Marathi ceremony of K J Somaiya College of Science and Commerce, i.e. 'Asmita – The Honor of the Marathi Mind', was held with great enthusiasm, but this year Asmita was held for the first time at the offline inter-college level. This year's theme was 'Safar Maharashtrachi'. Asmita 2021-22 was held on 12 and 13 January 2022. It hosted competitions for various talents. There were many competitions such as dance, music, poetry reading, poetry writing, monologue acting, rangoli, mehendi, etc. and in addition, asmita special i.e. 'Mr. & Ms. Asmita' competition was also organized. Students from Somaiya as well as various colleges participated in the event in a big way. Twenty-six colleges of Mumbai University participated in the event and a total of 90 participants attended the event. The First Day of Identity On January 12, singing, fine arts and asmita special mr& ms asmita college seminar halls and libraries were held. For tournament results Judges were called. The second day, January 13, 2023, began with dindi. The rest of the competitions i.e. dance and acting competitions were held on the same day in the auditorium. The results of the organized competitions were also announced the next day. The highlight of the day was that special guest 'Sameer Dixit' was invited. They He gave a very beautiful insight into the hard work behind the scenes in the film industry. The prize distribution ceremony was held by him. The ceremony concluded by thanking the guests and spectators and congratulating the winners.





Birth anniversary of Shiv Chhatrapati was conducted by Department Name Marathi Vangmay Mandal on 20th February 2023. Number of beneficiaries were Students UG: 20 Students PG: Teaching: 10 Nonteaching:15 on February 20, 2023, at 10:00 am, the birth anniversary of Shiv Chhatrapati was celebrated under the Marathi Sahitya Mandal of K J Somaiya College of Science and Commerce, Vidyavihar, Mumbai. The program was initiated by the Academic Dean of the College. Chhatrapati Shivaji Maharaj was worshiped by Smita Survase. Then thereafter Shruti Madam, a teacher of mahavidyalaya, presented the Maharashtra song. Yash Belwate, a student of the college, narrated some incidents from the life of Chhatrapati Shivaji Maharaj. Student Komal Shinde concluded the programme by expressing her gratitude to everyone. The entire event was beautifully hosted by student Vaishnavi Bangar.





Induction on certificate course Committee/ Department Name: Certificate courses on 14th September 2022. Number of beneficiaries were Students UG: 26 The session began with the introduction of the certificate course, why it is important and what are benefits of certificate course. Mr Deepak Sahu convenor of the course introduced all the courses offered by the college, he highlighted on eligibility, course fee and co-ordinator of the courses. He provided all the registration link for the certificate courses.





Webinar on Code of Conduct for the Teaching & amp ; Non-Teaching Staff Committee/ Department Name Code of Conduct Committee on 17/7/2021. Number of beneficiaries were Teaching: 110 Non-teaching: 22 A webinar titled Code of conduct for the teaching and non-teaching staff was organized by the Code of Conduct Committee on the 17th of July, 2021 at 3pm on Zoom platform. The resource person for the same was Dr Elizabeth Mathews, an Associate Professor and Head, Department of Commerce in C. K. Thakur A.C.S College, (Autonomous), New Panvel. The programme commenced with the Campus prayer, followed by the welcome address by Vice Principal, Dr. Lolly Jain. The guest speaker was introduced by Dr. Reema Khanna. Dr. Elizabeth began with a quote by APJ Abdul Kalam Great teachers emanate out of knowledge, passion and compassion. She then went ahead to explain about the code of ethics. She stated that ethics is precious and is to be protected in our hands. She then explained that the code of ethics had 2 important features- honesty and integrity. Dr Elizabeth stated that the code of conduct is a set of organizational rules and standards regarding the institution’s values, ethics and belief that determines the action of the institution and its members. She clearly brought out the similarities and the differences between the code of conduct and the code of ethics. Dr Elizabeth explained the code of professional ethics by defining morals and ethics. She gave interesting examples on morals, ethics, integrity elaborating on the concepts she was speaking about. Dr Elizabeth then defined the code of conduct for teachers mentioning clearly that if we are self regulated, everything falls in place. She enumerated the objectives of the code. She stated categorically that we could attain these objectives if we respect ourselves, others and the environment. Dr Elizabeth elaborated on the essential qualities of teachers stating the fact that teachers are role models for students from KG to PG. She elaborated on the code of professional ethics with the following categories - teachers and their responsibilities, teacher and the student, teachers and colleagues, teachers and authorities, teachers and non-teaching staff, teachers and guardian teachers and society. She summarized on the teachers role by describing some important things a teacher should follow during the online mode of teaching. Dr. Elizabeth then continued by giving a definition of the non-teaching staff and their importance. She also elaborated on the code of conduct for the non-teaching staff. She spoke about the non-teaching staff responsibilities towards faculties, students and authorities. Dr Elizabeth concluded that the profession requires the teaching and non-teaching staff to be calm, patient and amiable. She then summarized the code for teaching and non-teaching staff. She emphasised that the end of higher education is knowledge, the end of knowledge is to know about life and the end of life is happiness. The programme ended with the vote of thanks by Dr Archana Padgaonkar, Convener, Code of Conduct Committee.

“Code of Conduct for the Non-Teaching staff” Committee/ Department Name- Code of Conduct on 19-07-2022. Number of beneficiaries were Students UG: 13 Teachers UG: 02 The Code of Conduct Committee of K J.Somaiya College of Science and Commerce organized a seminar on “Code of Conduct for the Non-Teaching Staff” on 19th July, 2022 at 10.30am The session commenced with the recitation of the campus prayer. The seminar was compered by Dr Shital Mehta. Dr Reema Khanna introduced the speaker. Dr Pimpale began her talk with the 4 important pillars of the institution viz the teaching, non-teaching staff, students and trustee. Due the negative impact of pandemic there has been lack of

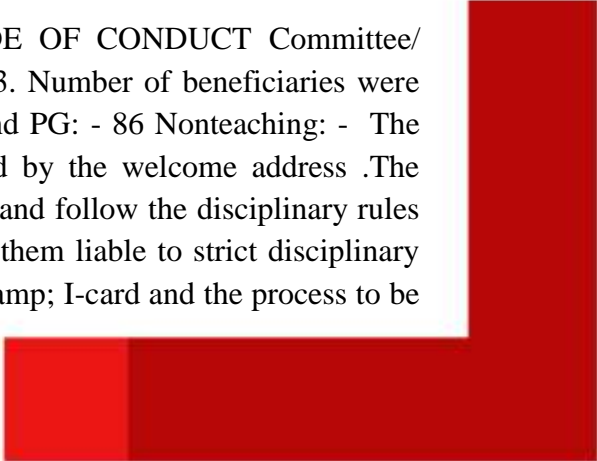


communication and the concept of working together has slowed down considerably due to limitations. She categorically mentioned that formulation of CoC is not difficult but adherence is. She cited the example of Guru shishya where both cannot fulfill their roles unless support from the others. She gave an overview of the 10 CoC which should be looked upon as a medium which shows us the path and not something that is an imposition. ‘Work is Karma’ which should be done ethically with co-operation element of politeness and interdependence is the key for the smooth functioning of any organization. The session was closed with a formal vote of thanks by Dr. Ajit Katdare followed by posting the feedback form link to record the responses of the participants.



“CODE OF CONDUCT sessions for S.Y.B.Com & BSc students at the commencement of the new Academic year Committee/ Department Name- Code of Conduct on June, 2022. Number of beneficiaries were Students UG and PG: - 445 Teaching: - 06 Nonteaching: -NIL The session focused on the students obligation to strictly adhere and follow the disciplinary rules and regulations of the Institute failing to do so would hold them liable to strict disciplinary action. The emphasis lay on the importance of attendance & I-card and the process to be followed in case of misplacement. Students were instructed to refrain from indulging in anti-institutional, anti-national, antisocial, communal, immoral or political expressions/activities within the Campus and to ensure decent attire and switch off their cell phones in the classroom, laboratory, library, etc. They were also made aware of their academic obligations regarding refraining from indulging in malpractices ,to adhere to the schedule decided by the respective teachers for their submissions (assignments, journals, tutorial works, projects etc.). Hygiene and sanitation system aims to protect human health and so students from using staff wash rooms. Students should ensure cleanliness of the college premises and use dust bins for disposing litter and also to make them aware of their moral responsibility to ensure switching off the lights and fans when not in use.

“F.Y.B.Com & F.Y.B.Sc. (2022-23) SESSION ON CODE OF CONDUCT Committee/ Department Name- Code of Conduct on 11th February 2023. Number of beneficiaries were Teaching: -Attendance committee members Students UG and PG: - 86 Nonteaching: - The programme commenced with the Campus prayer, followed by the welcome address .The session focused on the students obligation to strictly adhere and follow the disciplinary rules and regulations of the Institute failing to do so would hold them liable to strict disciplinary action. The emphasis lay on the importance of attendance & I-card and the process to be





followed in case of misplacement. Students were instructed to refrain from indulging in anti-institutional, anti-national, antisocial, communal, immoral or political expressions/activities within the Campus and to ensure decent attire and switch off their cell phones in the classroom, laboratory, library, etc.. They were also made aware of their academic obligations regarding refraining from indulging in malpractices, to adhere to the schedule decided by the respective teachers for their submissions (assignments, journals, tutorial works, projects etc.). Hygiene and sanitation system aims to protect human health and so students from using staff wash rooms. Students should ensure cleanliness of the college premises and use dust bins for disposing litter and also to make them aware of their moral responsibility to ensure switching off the lights and fans when not in use. Parents/ Guardian were made aware of the fact that the education of each student is their joint responsibility along with the faculty and the institution. It is their primary duty to ensure the regular attendance of their wards and maintain a cordial and amicable relationship with the faculty, staff, security personnel and others employed by the College, in a professional and respectful manner and refrain from negative or unsubstantiated criticism that disparages the reputation of the college or its employees on any social media sites. In case of any dispute, should seek clarification from the institute to bring about a successful resolution to the same. The session ended with the vote of thanks.

“F.Y.B.Com (2022-2023) Induction Programme”: CODE OF CONDUCT Committee/ Department Name- Code of Conduct on 12th august, 2022. Number of beneficiaries were Students UG –approximately 360 The session focused on the students obligation to strictly adhere and follow the disciplinary rules and regulations of the Institute failing to do so would hold them liable to strict disciplinary action. The emphasis lay on the importance of attendance & I-card and the process to be followed in case of misplacement. Students were instructed to refrain from indulging in anti-institutional, anti-national, antisocial, communal, immoral or political expressions/activities within the Campus and to ensure decent attire and switch off their cell phones in the classroom, laboratory, library, etc.. They were also made aware of their academic obligations regarding refraining from indulging in malpractices, to adhere to the





FYBSc Induction Committee – CUBE on 16th September 2022. Number of beneficiaries were Students UG: 36 Induction programme on CUBE was organized for FYBSc students to acquaint them with the CUBE model of learning. Resource person Mr.Aashutosh gave an overview about CUBE. He cited day to day examples to establish correlations between popular game like cricket and science. He further emphasized that the students can design their own experiments for the establishment of the model organisms at home or in the laboratory without the use of sophisticated equipment. He further added that the students can work in collaboration with not only their classmates but also with other cubists from other institutes through online chaat shala, which is a conversational learning mode where students talk about their work progress, challenges, goof-ups, designing experiments, about model organisms, and so on. Towards the end of the session, he appealed to the students to enrol for this programme and avail of this opportunity to build up their research profile.



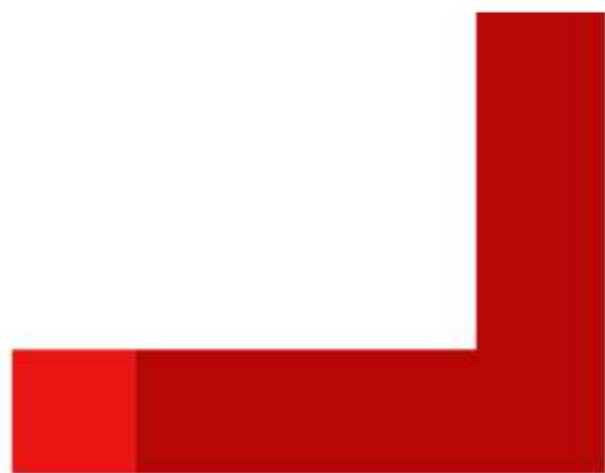


PG Induction Programme (2022-2023) Attendance Committee on 29th July, 2022. Number of beneficiaries were Students PG: - The Induction Programme, “Swagatam” for PG students was organised by Attendance and Deeksharambha Committees of K. J. Somaiya College of Science and Commerce on 29th July, 2022. The programme started at 10.00 pm with the campus prayer followed by the address of Dean of Academic affairs, Dr. Smita Survase. In the welcome address given by Principal Madam, Dr. Pradnya Prabhu has taken the students to a virtual tour through the Somaiya campus and all facilities provided to the students. Ms. Poonam Shinde and Ms. Meghna Verma were compering the sessions. 110 students attended the Programme Dr. Rohit Singh Singh, Dean of Research and Consultations informed students about international relations and Industry Collaborations of the Somaiya vidyavihar. He gave guidance regarding opportunities abroad in universities which have MOUs with our institute.

Dr. Yogesh Galsasi, Deputy controller of examination detailed students about the examination schedules and rules and regulations of exam cell. Presentations were made by various committee convenors giving brief outline of their activities and procedures.

- i) Dr. Saurabh Shette: Placement Committee
- ii) Dr. Shanti Upadhye: NET/SET/GATE Coaching
- iii) Dr. Deepak More: NPTEL/SWAYAM courses
- iv) Dr. Jaideep Wable: Innovation, Incubation and Entrepreneurship Cell
- v) Dr. Soniya Shette :Library Development

Mr. Anshul Gupta shared feedback link with the students. Dr. Nishamol Kanat, Convener, Attendance Committee presented formal vote of thanks and programme ended at 1.00 pm.





“FY B.Sc./B.Com (2022-2023 Induction Programme” Committee/ Department Name: Deeksharambha Committee during 10th, 12th and 13th August, 2022. Number of beneficiaries were Students (FY BSc/BCom) -600 FY Induction Programme was organized by Deeksharambh/Attendance committee to demonstrate and create awareness about various teaching-learning and co- curricular activities undertaken by college for the development of students. Session started at 8.00 am with campus prayer by Dr. veena Salvi. Ms. Meghna Verma compered the session. Dr. Smita Survase, Dean of Academic Affairs addressed the students and motivated them to do different co-curricular and extra cirrrricular activities during their three year degree programme in Somaiya campus. Dr. Pradnya Prabhu, Principal took students to the virtual tour of the college. She briefed the audience about Somaiya management, college affiliation and NAAC Accreditation along with curriculum framework. Madam demonstrated various activities undertaken by college for all round development of the students namely-Webinars,Soft skill development, Career guidance, Cultural events, Alumni, Placement activities, Research Incubation, Student Exchange program with foreign universities. Students were provided with contact details for queries related to activities. Session was then followed by talk by Ms. Jayashree Jain. She explained the importance of new graduation journey to the students. Students were asked to fill Feedback form for the first Day Induction Programme. Dr. Nishamol Kanat expressed formal vote of thanks. The Second Day Programme for FY BCom students started at 8.00 am and for FY BSc at 10.00 am sharp in different classrooms with the campus prayer. The were familiarised students with departments they are associated with during the departmental interactions. Different committees and organisations (Exam cell, mentor- mentee, RiiDL, NSS, DLLE) explained their happenings and achievements to the students. They also explained to the students how FY students can join and take part in these activities by providing the contact details, application form details and website information. The Third Day Programme for FY BCom students started at 8.00 am and for FY BSc at 10.00 am sharp in different classrooms with the campus prayer. Ms. Saira Jain for FY BCom Students and Ms. Suman J Chaplot for FY BSc Students conducted the yoga sessions on the thirdday of Induction programme. Dr. Veena Salvi, Assistant Professor, KJSSC, conducted the sessions on Nutritional Values for both FY BCom and BSc students. A group of students of PG and UG from Environmental (Club React) performed a skit to make the students aware of environmental issues. The students attended the three day Induction programme enthusiastically.



Aarambh Committee: Cultural Forum during 20/10/2022 to 21/10/2022. Number of beneficiaries were NA Day 1:

On the occasion of Diwali, the Cultural Forum organised a Diya painting competition where students from FYBSc., SYBSc., TYBSc. and MSc. participated in showcasing their creativity by painting diyas on 20th October 2022. The Diyas and the required stationary were provided to the participants. Simultaneously, the Fine Arts team decorated all the departmental floors and corridors with rangolis. The same team was responsible for the grand rangoli which revealed the 'Surabhi' logo. The small diyas were painted and wrapped by the Cultural Forum team for distribution among the Teaching and non-teaching staff.

Day 2:

On the occasion of Diwali, the forum organised a Flash Mob on 21th of October 2022. The event began with the unfurling of the banner of the Surabhi Fest from the rooftop attended by several faculties and students of KJSSC. The event was hosted by Contingent Leader, Tannujh Ghosh. The event was then followed by Flute Performance, a Singing Performance and then Solo and Group Dance Performances by the students of KJ Somaiya College of Science and Commerce students. Later, the Cultural Forum team distributed the painted diyas to the teaching staff at the seminar hall. The Cultural Secretary, Ritika Ranjan and Contingent Leader, Tannujh Ghosh were responsible for the distribution of diyas to non-teaching staff.



Documentary Screening - Story of Plastic Committee/ Department Name: UGC SATAT – Eco friendly and sustainable campus initiative Number of beneficiaries were Students UG : 08 Teaching :one A special screening of documentary film 'The Story of Plastic' was arranged on March 6 at 11:00 a.m. at Dosti House. The screening was followed by a Q&A and an interaction with the film maker – Deia Schlosberg. About The Story of Plastic (2019; 95 minutes) The Story of Plastic is a searing exposé revealing the ugly truth behind plastic pollution and the false solution of plastic recycling. Different from every other plastic documentary you've seen, The Story of Plastic presents a cohesive timeline of how we got to our current global plastic pollution crisis and how the oil and gas industry has successfully manipulated the narrative around it. From the extraction of fossil fuels and plastic disposal to the global resistance fighting back, The Story of Plastic is a life-changing, Emmy-winning film depicting one of the world's most pressing environmental issues.



“World Environment Day Campaign-Only One Earth” Committee/ Department Name: UGC SATAT - Eco friendly and sustainable campus initiative during 5th June 2022 to 12th June 2022 Valedictory Function – 21th June 2022. Number of beneficiaries were Students UG and PG: 43 Teaching : Two The 7 Days World Environment Day campaign was launched on 5th June 2022- 11th June 2022 . 43 participants from 17 different various institutions in Mumbai, Maharashtra and Baroda participated in the various activities planned during 7 days. The Activity - In this 7 days sustainability campaign organized by Environmental Awareness Committee in collaboration with Club REACT based on the theme - Only One Earth many sustainable activities like bicycling, tree plantation, poster making, poem making, paper bag making and distribution, etc. were arranged. There was Powerpoint presentation competition where various urban environmental issues were discussed with appropriate solutions to it. The Overall three Champions were selected and awarded Trophies for participation in all the activities and their best performance. All the Winners of the competitions were given a certificate and Tulsi Plant as a token of appreciation. Valedictory function of the same was scheduled on 21st of June 2022 in the Seminar Hall, KJSSC. . Mr Jayesh Harsora, PResident, Vasundhara Green Club Was invited as Chief Guest for the Award Function. All the winners were appreciated with saplings, certificates and medals to various award categories namely:- Youth Champion for Climate Change Mr. Shashank Bhosale, Somaiya Centre for Experiential learning, Ms. Ansari Almas Mohd Minnatullah, KJSSC Youth Champion for Planet Earth Mr. Deepak Kumar Maurya, KJSSC, S TYBSC Chemistry Student Youth Champion for Urban Environmental Issues Ms. Syed Afreen Fatima Gulamabid, S K Somaiya College, Somaiya Vidyavihar University, The entire campaign was organized by three enthusiastic Volunteers of Club React

Mr. Bhavesh Athani

Ms. Bhavika Gehlot

Mr. Karan Karajagi

Session on Examination Rules and Regulations on 19th September 2022. Number of beneficiaries were Teaching Staff: 13

A session about “Examination Rules and Regulations” was conducted on 19th September 2022 by the Examination Committee. The session was conducted under the “Guru Dakshata Committee” by Dr Geeta Nair for the newly appointed faculty.

The session was held to make the faculty (with less than 5 years experience) aware of the various rules and regulations related to examinations and also to give guidance about the role of teachers as junior supervisors during the examinations.

An instruction sheet with the do’s and dont’s during supervision was provided to the faculty.

The teachers were also made aware about the usual unfair means used by the students and the steps to be taken in such cases.

Pre -Udaan Poster competitions Committee/ Department Name: Department of Lifelong Learning and Extension (DLLE) on 20th January 2023. Number of Beneficiaries were Students UG: 10 The Department of Lifelong Learning and Extension (D.L.L.E.) unit of K. J. Somaiya College of Science and Commerce had organized a poster competition for D.L.L.E. students on 20th January, 2023. Total 16 students participated in the competition. The event was named as ‘Pre-UDAAN’ poster competition. The aim of the competition was to select students who would represent the college in poster competition of ‘UDAAN – the flight of extension’, an annual extension work festival of D.L.L.E. held during the months of January-February. The themes of the competition were:

1. Women Empowerment
2. Covid 19
3. Evil Social practices
4. Save food
5. Preservation of environment
6. My right of voting in election
7. Constitution of India
8. Freedom of India-75th Anniversary





Workshop on Vedic Maths Committee/ Department Name: Department of Lifelong Learning & Extension during 14th Dec 2022 and 15th Dec 2022 Number of beneficiaries were Students UG:- 17 The Department of Mathematics and Department of Lifelong Learning & Extension, K. J. Somaiya College of Science and Commerce organising a “workshop on Vedic Maths” Activity is for SY, TY-BSC students. Students of SYBSc and TYBSc went in Z, P. Prathmik shala, Panvel as a Resource person for teaching Vedic maths to 5th Class, 6th class & 7th Class. On 14th Dec.2022 first session we started with topic base and complement, which taken by Ms. Komal Patil. In Second session, Ms. Sonali Kalantre took topic multiplication of single & double digit and after solving some more problems, we ended first day session. On second day 15th Dec. 2022 Ms. Nashra (SYBSC student) started with revision of first day and how to remember tables from 2 to 9. Students were really enjoyed tricks which helped them to learn tables. Then Mr. sidhesh and Mr. Mahesh (TYBSC Maths) took some activity based learning. They all enjoyed enthusiastically involved in activities. After lunch break, Ms. Shewta daware started with story of akbar-birbal and then short tricks of finding square of numbers. Next session Ms. Kiran yadav started with division of numbers. We distributed problem sheet which contain various problem on above discussed topics. Remaining all team member Pranjal, Nibedita and Tanmayee helped in volunteering. All students are actively participated, they learned lot of things from above activity like presentation skill, activity based learning, communication skills, confidence, etc. Finally school Teacher Mr. Sanjay patil sir appreciated to our student work and he expected to visit their school in future with more such sessions. All students are really enjoyed activity organized and they are demanding such activity in future to be organized.





Online Quiz on “INDIAN FREEDOM STRUGGL” Committee/ Department Name: Department of Lifelong Learning and Extension (DLLE) on 12th August 2022. Number of beneficiaries were Students UG: 220 Students PG: Teaching: The Department of Lifelong Learning and Extension in association with department of Chemistry had organized an online quiz on “Indian Freedom Struggle” on the occasion of azadi ka amrit Mahotsav on 12th August 2022. The main objective of conducting this quiz was to understand the role of freedom fighters and their contribution in the process of independence of India. The quiz was open to all the students and teachers of various colleges. 220 participants successfully attempted the quiz. E- Certificates were provided to the successful candidates

Parent-Teacher Meeting Committee/ Department Name: Diksharambha on 11th February 2023. Number of beneficiaries were Parents : 75 The first year (FY) undergraduate (UG) parents-teacher meeting (PTM) was conducted on 11th February 2023 by the Diksharambha committee. Program started with the campus prayer, followed by the welcome speech by vice-principal madam Dr. Lolly Jain. Madam gave a brief tour of Somaiya campus and all the activities done at K. J. Somaiya College of science and commerce through a power-point presentation. Later the Dean academics Dr. Smita Survase madam told parents about the various norms like attendance and gave overview of the students’ performance in the last semester. After this, Dr. Yogesh Ghalsasi from exam cell gave detail idea about the evaluation pattern to the parents and also informed about the availability of the ATKT forms on the website for all those intend to appear for re-examination. Dr. Reema Khanna pondered on the code of conduct students should strictly follow in the college premises and in the campus. She told strict action will be taken if these codes are not followed sincerely. Lastly, our chief guest for the session Ms. Kshitija Sawant, Psychologist deliberated to the parents. She explained all the parents how they should tackle their wards daily routine and studies. In post pandemic era, what all things will drift their wards away from the electronic gadgets and will motivate them to study well and excel in their academics. Many parents have asked questions about their wards misbehaving when told to keep the mobile away, study and practice writing etc. She answered all the queries of the parents to their satisfaction. The common PTM session was wrapped up by Dr. Nishamol Kannat and all the parents were guided to respective classes (division wise) for the specific subject wise departmental interaction. Teachers from every subject interacted with the parents and discussed the behaviour pattern, attendance and performance of their wards on one on one basis. Overall the whole PTM session was conducted successfully with over 75 parents attending the meeting along with their wards.



Collaborative Learning Strategies Committee/ Department Name: IQAC- K. J Somaiya College of Science and Commerce, Vidyavihar, Mumbai on 25th November 2022. Number of beneficiaries were 11 teaching staff members from K. J. Somaiya College of Science and Commerce Participants of the workshop were keen to collaborate for the collective betterment of the students. Keeping it simple, innovative and easy, without compensating for the quality, was the main aim of the workshop. With a brief introduction from the host and followed address by Dr, Archana Padgaonkar, and then blessings from Dr. Suchitra Naik, Principal, Bedekar College, the session was brought to light by the resource persons. A series of workshops followed and their findings are listed below: Participants learnt various learner-centric collaborative strategies like Jigsaw, Thought Cloud, Think-pair and Share, etc. These pedagogies are predominantly designed to keep the learner engaged and make the learning sessions more interactive. Pair and Share- The resource person asked the participants to randomly make a pair and make a thought cloud on the meaning of collaborative learning. Later the resource person instructed the participants about the outcomes of the activity performed. Concept Mapping-This strategy helps the students to summarize the concept with the help of a flowchart, tree diagram which eventually helps them to prepare better for the Exams. Fishbowl- This method was introduced by actual demonstration. The inside circle interacts with the outer circle pair and exchange their ideas on a particular topic. Then after some time the inside circle moves and exchange the ideas shared with the person. This method helps students to gain ideas/ knowledge on a particular topic in a detailed manner. Participants actively participated and learnt various strategies. Participants were grateful to Principal Dr. Pradnya Prabhu, Vice-principal Dr. Lolly Jain and representative Dr. Archana Padgaonkar, for arranging and making such a delightful workshop fruitful. Vote of thanks was offered by Dr. Pradnya Rajebahadur, wherein, she talked about the significance of the workshop and the special benefits to present and upcoming teachers.



HaldiKumkum Committee Name: IQAC on 20-2-2023. Number of beneficiaries were Teaching:39 Nonteaching: 17 On February 20, 2023, HaldiKumkum was organized by the IQAC committee of K J Somaiya College of Science and Commerce. This was the first year post pandemic that the event was organized in offline manner, yet the fun and excitement regarding it was seamless. The entire event as well as some games were conducted in the seminar hall wherein, teachers, non-teaching staff and the clean tech staff displayed acts of creativity and group building spirit. Around 56 members attended the event. The host for the day was Ms. Jyoti Sharma & Ms. Namrata Nagwekar. The event began at 10:30 am. All the members were greeted by applying ittar on their hands. Various games were played by dividing all the members in different groups selected randomly. Prizes were distributed for the winners at the end of the game. Towards the end, the members were given haldi kumkum and vaan. All of them enjoyed the programme a lot. The event ended by 12:30 pm.



Guru Shishya Parampara- Backbone of Ancient Indian Culture Committee- Mulya Pravah and Value Education Committee on 13th July 2022. Number of beneficiaries were 58 (27 filled the feedback form) The workshop focused on techniques to enhance decision making skills. 68 unique logins were recorded out of which 24 participants filled the feedback form and 6 were faculty members.

The workshop began with the Campur prayer. Dr. Archana Padgaonkar introduced Mr. Praveen Naik, the resource person for the event.

Mr. Praveen Naik presented the details of Guru Purnima celebrations since ancient times.

Dr. Mithun Mondal prepared the brochure and certificate. He also took pictures during the sessions. Dr. Veena Khilnani concluded the session with a vote of thanks.

The guests were introduced to our Principal Madam. Then they were served refreshments. They were gifted with the Bhagwat Geeta as mementos.

All the participants in their feedback expressed that the content of the webinar was relevant and useful. Majority of them were happy about the delivery of the content and also stated that the workshop increased their knowledge on decision making.

They also expressed their willingness to attend such workshops in future.



“Interaction and Career Counselling - CA and Allied Field” Committee/ Department Name: Accountancy Department in collaboration with Competitive Examination Committee on 29-08-2022. Number of beneficiaries were Students UG and PG: 107 Competitive examination committee in Collaboration with Department of Accountancy of K. J. Somaiya College of Science and Commerce organized seminar for students on “Interaction and Career Counselling - CA and Allied Field” on 29 th Aug,2022 at 10.30 a.m. The session started with the campus prayer. Mr. D. G. Phondekar introduced first speaker –CA Murkutza Kachwala for the session. CA Murkutza Kachwala enriched students with his vast knowledge and experience in the field of Chartered Accountancy. He highlighted career opportunities in the Accountancy and Auditing Field Namely- IT Audit, Forensic Audit, International taxation, Management Responsibility and Reporting, Sustainability Reporting and many more. Dr. Shital Mehta, Coordinator, Department of Accountancy introduced the second speaker –CA Virag Shah for the session. CA Virag shah spoke about the entry level for CA Course after 12 th exam or entry after graduation. He had discussed fee structure of Foundation, Intermediate and Final Course. Your signature is more powerful than PM’s and the government also believes in the chartered accountant signature. CA pass outs get easy campus placement in all sectors with minimum salary of Rs.75 Lakhs The session was attended by 107 students and 5 faculties from the college. Session was concluded by Mr. Amit Dixit with vote of thanks. Students were asked to fill feedback form at the end of the session



Induction Program for IIT – JAM Examination in Chemical & Biological Sciences (2022 – 2023) Committee/ Department Name: Competitive Examinations Committee on 15th July, 2022. Number of beneficiaries WERE Students UG: - 19 The Induction Program was organized by Competitive Examination Committee to create awareness about the opportunities for pursuing postgraduate studies in Chemical & Biological Sciences at the premier institutions in the country. Session started at 02:00 pm with campus prayer followed by the address of Competitive Examination Committee Convenor Dr. Shanti Upadhye, explaining the need and aim of the program. Mr. Kailash Chauhan informed students about opportunities for pursuing postgraduate studies in Chemical & Biological Sciences at the Indian Institutes of Technology and other premier institutions in the country. He informed students about academic research opportunities and industry jobs prospects after completing M.Sc. degree at the top institutes available in India and abroad. He told the students about the eligibility criteria, timeline of application, and detailed application process. Then, he focused on the nature of IIT – JAM examination and guided the students about the importance of this examination, level of competition. He gave the students a brief idea of how to plan the preparation strategically and develop tricks so as to be able to crack the examination with a high score. He shared with the students the success history of his institute BRAIN LOOP Academy over the last few years. The session was further continued by the questions from students on career opportunities and IIT – JAM examination preparation. The session was concluded at 03:00 PM by Dr. Nanabhau Karanjule with a special vote of thanks to the guest and all who were present for the session, students were informed to fill the feedback form.





Induction Program for UPSC Examination (2022 – 2023) Committee/ Department Name: Competitive Examinations Committee on 16th September 2022. Number of beneficiaries were Students UG: - 21 Staff – 02 The Induction Program was organized by Competitive Examination Committee to create awareness about the opportunities for pursuing UPSC and its allied careers among the students. Session started at 12:00 pm with campus prayer followed by the address of Competitive Examination Committee Convenor Dr. Shanti Upadhye, explaining the need and aim of the program. Student Volunteers from MSC Zoology managed the session Mr. D>G.Phondekar informed students about opportunities for pursuing UPSC as a sound career option in the country. He informed students about all the related opportunities, branches and industry jobs prospects after completing UPSC degree at the top institutes available in India. He told the students about the eligibility criteria, timeline of application, and detailed application process. Then, he focused on the nature of UPSC examination and guided the students about the importance of this examination, level of competition etc. He gave the students a brief idea of how to plan the preparation strategically and develop tricks so as to be able to crack the examination with a high score. The session was very interactive and further continued by the questions from students on career opportunities and UPSC examination preparation. The session was concluded at 1.30 PM with a special vote of thanks to the guest and all who were present for the session, students were informed to fill the feedback form.



NET / SET Guidance Series - Physics (2022 – 2023) Committee/ Department Name: Competitive Examinations Committee during 15th December 2022 to 20th January 2023. Number of beneficiaries were Students PG: - 37, UG: 6 Lecture series was organized by Competitive Exam Committee and coordinated by Dr Shruti Barve as a member.

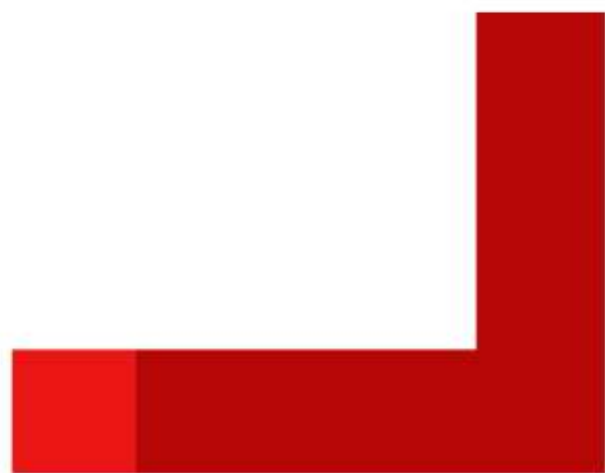
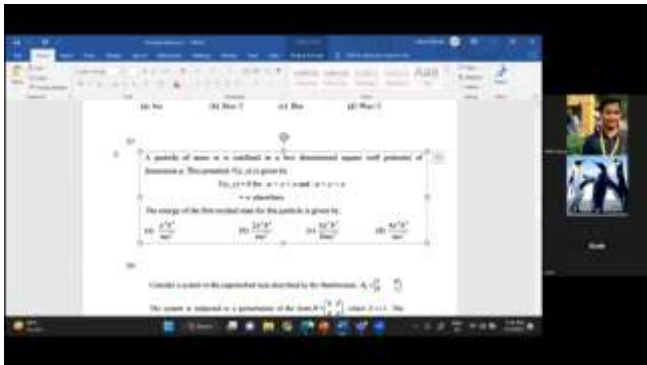
Physics department alumni students took problems sessions on the topics named Quantum Physics, Nuclear Physics and Mathematical Physics.

There were 5 sessions of 2 hours each in the duration of December 15th 2022 to January 20th 2023 in online mode, dated on 151222, 171222, 231222, 70123 and 200123. All the information about the program was shared with the students Microsoft Team 'NET / SET Guidance' specially made for the interaction of these activities. 43 members including MSc alumni students as well as interested current TyBSC bright students are got benefitted from these sessions.

Session being problem based all the problem sheets to be discussed in the session were shared with the students in teams for making the sessions more efficient and fruitful.

Links for the video recording for all the sessions are shared in the team for future reference.

All the Guest lecturers being MSc alumnus from Physics department, students could easily co-relate with them. Also lecturers gave a general overview for preparing for the competitive exams through their own experience.



“Workshop on general preparation of Paper I of NET” SET Exam” Committee/ Department Name: Competitive Examinations Committee on 11-03-2023. Number of beneficiaries Students PG: 30 Teaching: - 1 The Competitive Committee, K. J. Somaiya College of Science and Commerce Organized a one-day workshop on General Preparation of NET/SET Examination on 11th March,2023.The webinar was attended by 30 participants.

The resource person motivated students how to prepare for NET/SET exam with strong will power. Dr Kirtikumar enlightened the students on NET/SET examination and also gave us detailed information on the same. Sir also explained about the pattern and system of the examination. Topics such as mathematical sums, age calculation, percentage calculation, banking and interest, profit and loss, speed and distance, graph & chart analysis were explained and solved during the live session. The questions solved in the session were well explained. It definitely helped the student get a clear picture about the paper 1 of the NET/SET exam. Dr Kirtikumar also threw some light on how to study for the exam. Also took question answer and doubts solving in the end. It was definitely very informative and interactive session. In the end of the session Saeema Khan gave vote of thanks and concluded the session.



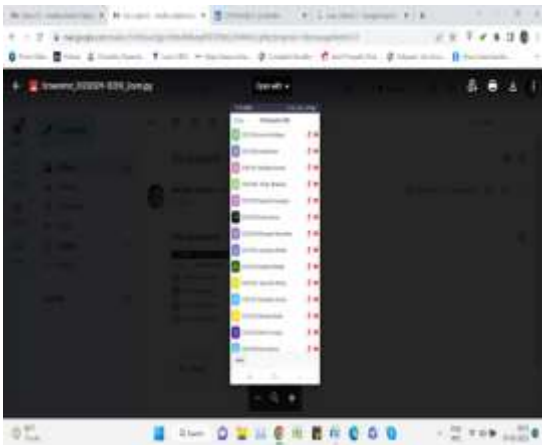
KJSSC Alumni Reunion Committee/ Department on 6th August 2022. Number of beneficiaries were Alumni: 130 The KJSSC Alumni reunion was organized on the 6th of August 2022 in the Seminar Hall, 1 st Floor, K J Somaiya College of Science and Commerce. The alumni were asked to visit the respective departments and interact with each other and their teachers. The retired teachers were also invited on this occasion. Some of the departments organized games for the occasion. Club react (Students of department of Chemistry) helped the alumni committee to organize the event. The alumni spent about an hour and half in the department after which they were asked to gather in the seminar hall. The program began with campus prayer. Then Principal Dr Pradnya Prabhu welcomed the audience. Mr. Vishwanath Mannadiar Secretary of the Managing committee of the KJSSC Alumni Association spoke on the occasion. Mr Manoj Belikatte an alumnus of the Department of Chemistry along with his troupe entertained the audience with a wonderful musical performance. Some of the alumnus from the audience joined them in singing. The alumni and the retired teachers along with the staff members had a great time, This was followed by tea and light refreshments served in the display gallery.



Raise the voice against Sexual Harassment Committee/ Department Name- Internal complaints Committee on 21th January 2022. Number of beneficiaries were Non-Teaching UG: 46+ Teachers UG: 3 On Friday, 21st January 2022, there was a webinar on behalf of K J Somaiya College of Science and Commerce The Internal Complaint Committee on the topic “लैंगिक छळ व कायदा” The program began at sharp 2:00 on Zoom Platform in the presence of our respected resource person Professor Narayan Rajyadhyaksha chairman of the Board of Studies in Law' University of Mumbai since 2000 ,x Chairman of Standing Committee, President Consumer Guidance Society of India' since last 9 years, convener and member of various committees for curriculum designing, academic planning), Principal Dr. Pradnya Prabhu, teaching faculty Dr Archana Padgaonkar, Mr. Santosh Kundu and students. Miss Manjiri Karkhanis initiated the program. The event began with Somaiya campus prayer. Miss Vaishnavi Dongare introduced the resource person. Professor Narayan Rajyadhyaksha then started the lecture. He explained that we have to raise the voice against sexual harassment. Sending vulgar messages, improper behaviour also comes under sexual harassment. Maybe it works place, college place or public place if women feel uncomfortable by some actions, she should not tolerate it instead she should raise the voice. Further actions will be taken by the law. Later at 3:05, the question-and-answer session started where he cleared all the doubts and queries. Then we ended our event by a Vote of Thanks given by Miss Priyanka where she thanked the resource person and the audience in making the event successful.



“Managing Exam Anxiety” on 9th March, 2023. Number of beneficiaries were “Managing Exam Anxiety” was organized by the Mentor- Mentee committee to give confidence to students in Exam preparation and to tackle stress/anxiety. The Session started at 1:00pm with campus prayer followed by the address of Mentor- Mentee committee convenor Dr. Reema Khanna, explaining the need and aim of the programme. Dr. Soniya Shetty introduced the guest speaker, Dr. Kshitija Sawant. The session was taken over by the speaker at 1:10 pm. She started the session by giving basic ideas regarding levels of test anxiety, the causes/symptoms. Interactive session was done with the students to make them realize and understand their own mindfulness and emotional intelligence. Various activities were done to change negative self-talk to positive self talk. She discussed the importance of time management, to have SMART goals. Dr. Reema Khanna presented a formal vote of thanks and the programme ended at 02:10pm.





Career Orientation Program Committee/ Department Name: Department of Chemistry in association with Placement /Career Guidance Cell and DLLE 12th December 2022. Number of beneficiaries Number of Beneficiaries:

Session I: 56

Session I: 59

Session I: 48

Session I: 25

Total : 188 participants

Session I:

- Mr. Vikas Sawant explained about the Positions and job opportunities in field of bank to students.
- Exam pattern was discussed.
- Students solved some questions using easier and quick strategies.
- Talked about the vacancies that has now comes because the students were eligible for the same.
- The guest also shared his experiences regarding cracking the examination.

Session II:

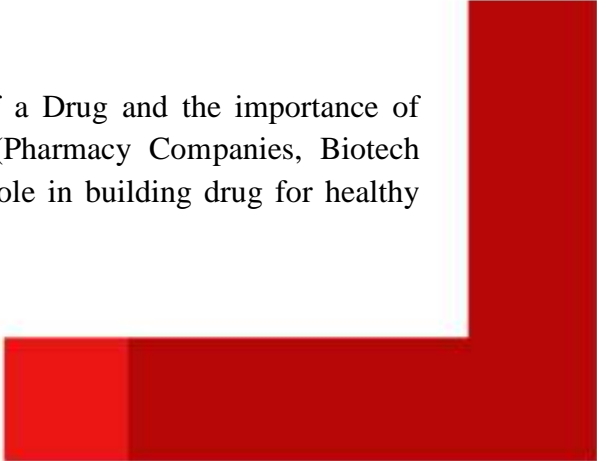
- Various Dancing forms were introduced by speakers.
- Speakers carried out discussion and explained the students how career can be made in dance field.
- Ms. Vrushali also shared her experiences of working with several Universities and getting up scholarship as a classical dancers.
- The speakers also discussed how the dance career can be kept as an option with some other careers.
- They also discussed various opportunities.

Session III:

- She explained requirements of official documents like passport, visa etc., for study abroad. She explained best suitable countries for MS (Master of Science) and Ph.D.(Doctorate of Philosophy) programme. Accordingly, US (United States), UK (United Kingdom) and Australia are best suitable for pursuing MS programme whereas Canada is for Post-Graduate Diploma Programme.
- She explained the financial requirement and education loan for Higher Education Abroad.
- She gave insights of Earn while you learn strategies. She mentioned the tentative tenure of academic semesters.
- She concluded her talk by suggesting few tips for improving English language. She proposed strategies to qualify international level English language tests like; IELTS, TOFFEL and GRE.

Session IV:

- Mr. Sayyed Wassim explained the ideal requirements of a Drug and the importance of Clinical Trials for human being. He explained players (Pharmacy Companies, Biotech Companies) in Clinical Research Industries through their role in building drug for healthy society. Accordingly, there is huge demand of



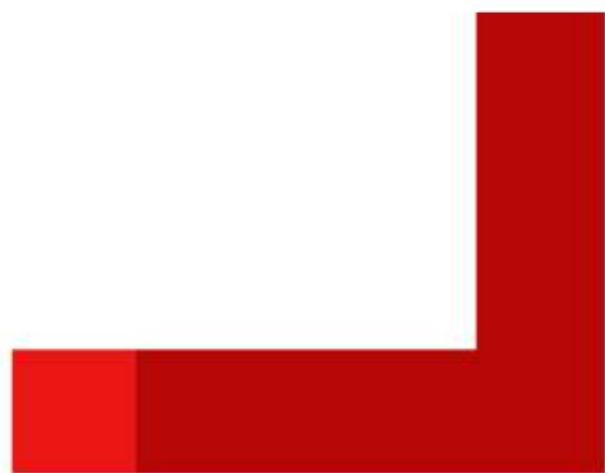


qualified and skilled human power for Medical Writers, Data Managers, RA Managers, Accredited Laboratories, Hospitals and IEC.

- He concluded his talk by giving scope of Career Opportunities in Clinical Research. Ms. Rupali More from CLINOMIC explained various courses like PGDCR at CLINOMIC.



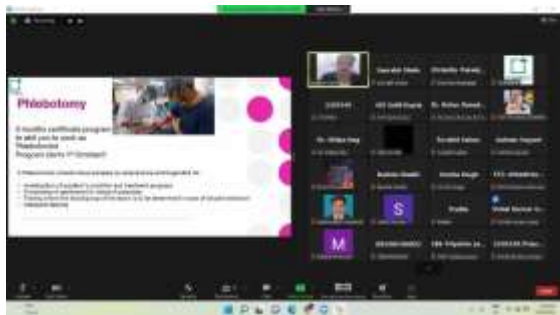
Talk on Career Opportunities in Chemical Sciences Dept. of Chemistry and Career Guidance and Placement Cell on 11th October, 2022. Number of beneficiaries were Number of Beneficiaries: 39 The speaker Dr. Nanabhau Karanjule talked about the various career opportunities after M.Sc Chemistry such as Scientific Officer Position at BARC, Research Associate Positions at NCL, IISER Pune, IISc Bangalore. Dr. Nanabhau Karanjule talked about the NTA-NET, SET- Maharashtra and GATE Examination and the paper pattern of the mentioned examination. He also discussed several problems asked in NTA-NET Question Paper. The students were satisfied with the talk as was evident from the feedback.



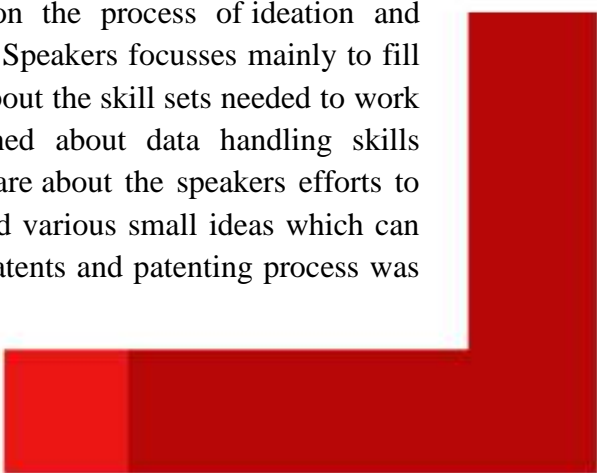


Career Opportunities in Paramedical Sector Career guidance cell and Placement Cell on 20th September 2022. Number of beneficiaries were Number of Beneficiaries: 79 Students + 7 Teachers The event started with the campus prayer followed by a brief introduction of the speaker. After the formal introduction, the speaker briefed everyone about career opportunities as paramedical staff, various courses, fee structure and duration of the course were described. He emphasized that students can pursue these courses simultaneously with their respective degree courses. He explained the process of admission too. Speaker focussed mainly to fill the gap between these aspirants and healthcare sector. The speaker made the students aware about the speakers efforts to equip students with the required skill sets for undergoing these courses and how it would be beneficial for the students in coming future.

He encouraged the students to take up these courses as this platform will be helpful in achieving the skill sets needed to work in the professional environment. He specifically mentioned about that stipend and course outcome as it will not only enhance the knowledge and skill but also will be helpful for the personality development of the students. The training sessions are scheduled in one of the prestigious Kokilaben Hospital, Mumbai. Overall the session was very informative. The session concluded by a vote of thanks and Q & A session.



Career Guidance and Skill Development for students in the Life sciences Domain Career guidance cell and Placement Cell on 25th August 2022. Number of beneficiaries were Number of Beneficiaries: 60 The event started on time with the campus prayer followed by a brief introduction of the speaker. A seminar titled “ Career guidance and Skill development for students in the Life sciences Domain” was organized by Career guidance and Placement cell of K.J Somaiya College of Science and Commerce. After the formal introduction, the speaker briefed everyone about his education. He explained students that one should overcome all the hurdles to be successful. He talked about start ups and entrepreneurship. He explained that even a small idea can turn up in to a successful startup. He said that students are generally hesitant to discuss their ideas as they feel that their ideas may be copied and implemented by someone else. The speaker elaborated on the process of ideation and generated awareness about the concerned funding agencies. Speakers focusses mainly to fill the gap between these aspirants and companies. He talked about the skill sets needed to work in the professional environment. He specifically mentioned about data handling skills and management skills. The speaker made the students aware about the speakers efforts to equip students with the required skill sets. He further shared various small ideas which can be taken up for initiating a startup. Explanation about the patents and patenting process was





given to the students. He also shared a recent research on gut microorganisms with the students. Overall the session was very informative. The session concluded by a vote of thanks and invigorating Q & A session.



Career Orientation Program Career guidance cell and Placement Cell on 22th July 2022. Number of beneficiaries were Number of Beneficiaries for Session I (By Prof. Prasad Balan Iyer): 97 Number of Beneficiaries for Session II (By Dr Manish Bhat): 54 Number of Teaching Faculty Present for both the Sessions: 06 The event started on time with the campus prayer sung by Smita Paranjape madam followed by a brief introduction of the speaker by Dr. Saurabh Shete and topic after which the speaker took the lectern and initiated the session. The session covered from how modern life depends crucially on packaging to the various types of packaging itself. The speaker also discussed the pros and cons of various packaging technologies. The session also talked about career opportunities in the packaging industries and how to go about building a career in the industry at various level from packaging production to designing. The session concluded by a vote of thanks and invigorating Q & A session. The second session started on time at 11.20 am. Speaker Dr. Manish Bhat sir discussed with students about different career and job opportunities in Private and Govt sector after graduation BSc and post graduation MSc. He motivated students and described the importance of account on LinkedIn. He motivated students to develop various Professional and personal skills. He mentioned students can get Govt sector jobs by clearing - NET/GATE Exams, PhD. For teaching field students should qualify NET, SET exam. After completing PhD students can get into University teaching, Scientist, Research associate. He briefed students about Job opportunities in Research and development and what skills they need to get into this field; he also mentioned there are opportunities in Clinical research for biological science students where they can get into pharmaceutical industry. He also discussed about alternate career opportunities like UPSC, MPSC, Health care, MSc in E-learning, Library sciences, Social work, Journalist, MBA. Speaker also discussed about PhD opportunities and higher education opportunities abroad and exams needed to reach these University. He also discussed and mentioned importance of about various courses on Swayam and NPTEL certificate courses. Further session was followed by Question and



answer. Speaker also shared his email id for further contact for students. Feedback code was shared to fill the feedback form after the session

