



SOMAIYA
VIDYAVIHAR

K J Somaiya College of Science & Commerce
Autonomous (Affiliated to University of Mumbai)

Somaiya
TRUST

Digital Revolution-
Education in the age of AI



संस्कृती
२०२४ - २०२५

संस्कृती

२०२४ - २०२५

The Magazine of
K. J. Somaiya College of Science & Commerce

Re-accredited by NAAC with 'A' Grade with CGPA 3.24

Autonomous - Affiliated to University of Mumbai

COLLEGE PRAYER



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

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

ॐ ईशावास्यमिदं सर्वं यत् किं च जगत्यां जगत् ।
तेन त्यक्तेन भुञ्जीथा मा गृधःकस्यस्विद्धनम् ॥२॥

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

मूकं करोति वाचालं पङ्गुं लङ्घयते गिरीम् ।
यत्कृपा त्वमहं वन्दे परमानन्दमाधवम् ॥३॥

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

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

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

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

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

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

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

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

7. May all here be happy. May all be free from disease. May nobody experience misery.

ॐ शान्तिः । शान्तिः । शान्तिः ।
OM. Peace, Peace, Peace.

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Sanskriti

2024-25

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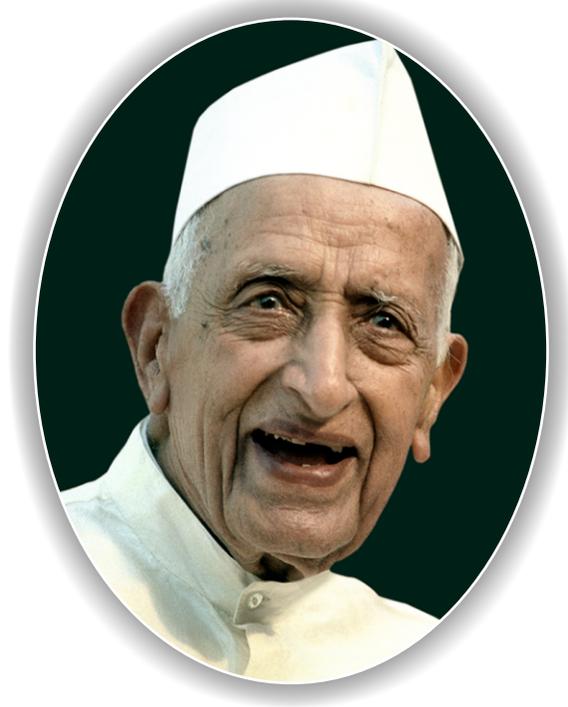
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Our Founder



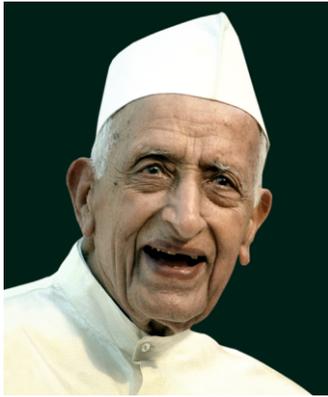
Padmabhushan

(Late) **Pujya Shree Karamshibhai Jethabhai Somaiya**

(May 16, 1902 - May 9, 1999)

A Message From The Founder

My Dear Young Students,
Welcome to you to the Institutions of Vidyavihar!
Your finest hour is here. The future belongs to you.
Let us all zealously work together and dedicate ourselves to build India of our dreams. Remember, nothing was ever achieved without hard work. Be bold but not be bowled over. Let Truth and Duty be your watchwords.
Never despair in the face of setbacks.
Keep courage and continue to work with Fortitude.
Have faith in yourselves and in the Almighty.
Strive for your Goals and the future is yours!



Padmabhushan (Late) Pujya Shree
Karamshibhai Jethabhai Somaiya



Shrimati Sakarbai Somaiya

Mission Statement

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

Vision of the founder

Service to mankind

Understand and respond to the needs of modern Science and Technology

Provide a sound spiritual foundation to march into the future

Provide opportunities for all-round development of individuals

Vision Statement

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

Goals And Objectives

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

Our Inspiration



The Great Visionary and Transformational leader

(Late) **Dr. Shantilal K. Somaiya**

29 - 12 - 1927 to 01 - 01 - 2010



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Shri Samirbhai Somaiya



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Lt General H S Kahlon



Provost, Somaiya Vidyavihar
Dr. Raghunath K. Shevgaonkar

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

1. **Brand Name:**
Somaiya is a brand name in the higher education.
2. **Autonomous Status:**
The College was conferred Autonomous Status by UGC and University of Mumbai. College is known for its academic flexibilities. There are innumerable combinations which you can choose from. More than 10 elective courses on foreign languages, immersion experience, dual degree, Honours programmes, sports as a credit course.
3. **Accreditation:**
K.J. Somaiya College of Science and Commerce has got accredited by National Assessment & Accreditation Council (NAAC) with "A" Grade in 2004 and re-accredited with "A" Grade (CGPA 3.21) in 2010.
4. **Awards and Grants:**
The College has been adjudged as the Best College of University of Mumbai in the Urban Category.
Recipient of FIST grant from DST, STAR college Status from DBT.
5. **Transparent Admission process:**
Admissions only on merit. We do not take any donation or capitation fee.
6. **Most sought after college:**
25 students compete for each seat at K.J. Somaiya College of Science and Commerce.
7. **Strong Alumni:**
Over last 50 years Somaiya Vidyavihar produced thousands of successful graduates contributing to various development taking place all over the world.
8. **Scholarships:**
Merit-cum-need-based scholarship the students
9. **Staff:**
Students friendly, experienced, dedicated staff.
10. **Synergy:**
Synergy of 35 institutions from various discipline.
11. **Innovation incubator:**
End to end guidance to foster innovative ideas in to company.
12. **Vibrant campus life:**
Many festivals, workshops like Kabir Festival, Dance Festival, Vigyan Yagna, Asmita, Vibes, Tarang etc.
13. **Conducive Environment:**
Conducive environment for teaching and learning.
14. **Dual Assessment:**
Dual blind assessment for Accurate Results.
15. **Secure Campus:**
Round the clock security and guarded environment.

A Message from The Honorary President



Our Vision:

Our Founder, Padmabhusan Shri K. J. Somaiya was deeply influenced by Gandhiji, and dedicated himself to nation building. He founded Somaiya Vidyavihar on the 9th of September 1959. He later founded the Girivanvasi Pragati Mandal, The K. J. Somaiya Medical Trust, Girivanvasi Education Trust and sister institutions to make great citizens of India and the World. In the words of Swami Vivekananda, “We want that education by which character is formed, strength of mind is increased, the intellect expanded, and by which one can stand on one’s own feet.” We have now grown into a multi-disciplinary and multi-campus education institution with over 1500 faculty, and 38,000 students.

Our motto:

ज्ञानादेव तु कैवल्यम्। Knowledge alone liberates. Liberates from poverty, from hunger. Also, to liberate one from the attachments that bind us to small-mindedness. Knowledge also provides opportunity. To make the life lived more meaningful. In the service of one’s family, one’s community, समाज, country, and indeed the world. Bearing in mind that there is no religion other than the life lived in the service of humanity, न मानुषात् परो धर्मः।

Our education in any subject will reflect its timeless fundamentals, its current context, and applications. There is so much scientific discovery taking place, at the intersection of fields, of biology, computing, medicine, the social sciences and everywhere else. We will provide students and faculty with an environment to engage this world, to discover new truths, make new applications to create and share knowledge.

Our education will also be experiential; with projects that are ‘real’ and those that complement the learning inside the classroom. Our students and faculty will be at the cutting edge of change, to incubate companies, to create NGOs, and pursue any field of their passion.

Our education will also be holistic. Sports and physical exercise must be a firm part of the curriculum; for students to develop a love for sports, for recreation, for health, for teamwork, for competition. Our education will also instil an appreciation for art and culture.

In the Bhagavad Gita, Arjun asks Krishna how is one to control one’s mind that is as fleeting as the wind. Krishna responds that it can only be done through practice and discipline. अभ्यासेन तु कौन्तेय वैराग्येण च गृह्यते We will strive to teach our students to learn to stay calm in our turbulent world.

And our education will also include the ancient Indian tradition, its culture, its depth, and its knowledge. We must keep the connection with our mother tongue and our languages. Languages are storehouses of culture, and the loss of a language takes with it much learning, stored through it over the ages.

Finally, our education will help students lead a full life, to fall in love with life. Our dream, is to build a world class research and teaching institution, that is global in the reach of its ideas, and universal in its service.

Welcome to our community.

Samir Somaiya

From the Principal's Desk

Learning gives creativity
Creativity leads to thinking
Thinking provides knowledge
Knowledge makes you great



APJ Abdul Kalam

These lines clearly echo the dreams of our founder. Over the years we have gone an extra mile to win many laurels. We opted for autonomy and endeavored to impart creative learning leading to innovative thinking thereby endowing our students with knowledge. It is a great achievement to have been accredited with A grade , consecutively four times by NAAC. We are the recipient of the Best College Award and have been adjudged as the Centre for Potential of Excellence by UGC. Recently we have been awarded Empowered autonomous status by University of Mumbai. The journey of our institution is marked with moments of success and glory.

It gives me immense pleasure to extend my warm greetings to all readers of this year's college magazine, SANSKRITI. This is not just a reflection of our academic journey but also a vibrant canvas showcasing creativity, dedication and spirit of our students and faculty. It is a testament to the hard work and collaboration of faculty , staff , students and magazine committee. .I congratulate all of them who worked tirelessly to publish this beautiful edition.

As we look to the future, may we continue to uphold the values of integrity , innovation and inclusivity.

Wishing you all continued success and growth in your endeavors.

Dr. Pradnya Prabhu
Principal

A college magazine is more than a mirror of events and achievements obtained in a year. In addition to collection, compilation and presentation of these in a reader friendly form, a good magazine also fosters creative literary skills among the stake holders, teachers, supporting staff and learners. Sanskriti is following these ethics by giving everyone a platform to express the writing skills for many years in Marathi, Hindi, Gujarati and indeed English.

In post Covid scenario, the paradigm shifts in the education came in digital form that led to digital intelligence. The integration of Artificial Intelligence (AI) in education is transforming the way we learn and teach. As we see, AI-powered tools can personalize learning experiences, adapt to individual students' needs, and provide real-time feedback.

This special issue of Sanskriti focuses on inevitability of this integration. The apt way to specialize the issue of magazine for 2024-25 is "Digital Revolution-Education in the age of AI" is to let the learners make familiar with what and how to use in AI. More importantly making AI as a reinforcement to education sector rather half cooked replacement.

Also, Intelligent tutoring systems can supplement human instructors, offering support and guidance to students. Moreover, AI can help automate administrative tasks, freeing educators to focus on high-touch, high-value tasks.

As AI continues to evolve, it's essential to ensure that its application in education prioritizes equity, transparency, and human values, ultimately enhancing the learning experience and preparing students for an increasingly complex, tech-driven world.

Many articles here encompass the AI integrated issues. A distinct feature of this specialized issue is the presentation of the winner write ups in the essay competition on the same subject.

Hope this highly contemporary subject will enrich the brainstorming of readers.

All the best..

Dr. Jitendra Pendharkar



English Section



Digital Revolution : Education in the Age of AI

Manasi M. Bhosale

SYBSC - B

'AI' to be precise 'Artificial Intelligence' has become a boon in human life. AI has made the way's easier for gaining information. At a single click the whole information like brief information, statistical data and overall information. In education AI has become powerful medium. The traditional method of education only focuses on the general knowledge. It only focuses on one aspects of learning. One aspect as in it only makes the students to do donkey work as in numerous amount of assignments, homeworks, book completion/ submission etc. While AI intervention in education will help the students to maintain the track of their personalized growth.

'AI' will given the particular students their progress report priorly in the form of statistical data and this will help educators to focus on other aspects like skill development. As we're moving towards 21st century skill development has become a very important aspect in private as well as corporate world. In corporate world, your homework & assignments doesn't matters what matters is your skills. There main focus is how developed your skills are; skills like presentation skills, the way you express yourself. Sometimes plenty of knowledge doesn't have value if you can't express it or present it properly. AI will help the student to develop such skills which will help the students to survive in corporate world without any difficulties. And the second important thing will be they will have instant learning system and also the justifying truths or evidences that will support the particular topic. In traditional learning sometimes we study that particular topic that doesn't have the proper evidences or facts justifying the topic. AI will help to gain such information instantly.

AI will also help in collaborative learning. In today's generation all are focusing on collaborative learning. Students main focus will be collaborative learning rather than just doing donkey work.

AI will also help educators and also make their work easier by creating the student's progress report and will help educators in focusing to build a strong emotional connection with the students. Because of these the students will start trusting the educatos and this will help in their educational growth.

With a help of AI educators can conduct a assessment test on emotional intelligence and give that report to the students. This report will help them to know their strenghts and weaknesses. By these they will actually know their strength and weaknesses, they will work on weaknesses and it will help them to become emotionally intelligent. Basically they will be familiar about how to react or not to react in particular situation to maintain the decorum of their own mental peace. When mental peace is stable they will be wise in decision making.

As these are the reasons of AI as a boon to humankind, but is it a boon or like a slow poison slowly turning into a curse for mankind???

AI will give the students the instant and direct answers but because of AI the students ability to think is declining. Their brainstorming related to the particular topic will decline. They will be totally dependent on AI for single minute information. If this will carry for years - and years their brain will stop working and according to the nature selection the part which is not working will be demolished or removed or remained as a unwanted part of human body like appendix, The one differentiating factor about man and animals are the human brain which makes them a proper human. Brain is considered to be a crucial part of our human body so think wisely or you can search this information in any books.

Traditional learning is considered as the most appreciated learning as it helps

the students to be more inclined on the books. Books are the most important aspects in gaining whichever information sometime AI does give wrong answers as it is robot made by mankind. Books will give you the proper beneficial knowledge for your personal & professional or to be precise in corporate world. Rather than AI students should start trusting their books it will help them in every aspects of life.

In conclusion, you should be more align towards traditional learning and side-by-side you can use AI for many courses which will help your learning techniques at the end its you and your studies but preferable traditional learning and AI should go hand in hand according to the preferences and the knowledge regarding anything will be provided by bath. So think wisely before choosing as it holds students future.

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Digital Revolution : Education in the Age of AI

Vihaan Choudhary

TYBSc - Chemistry

"Revolution" the word is so fascinating right, why wouldn't it be mankind have seen, experienced so many Revolutions. The fire Revolution, the industrial revolutions, the weapon revolution, the quantum revolutions. The History have records whenever one civilization have experienced the revolution their where both the out comes positive as well as negative ones. The recent hot topic or word in demand is our very own "Digital Revolution" which is overtaking so smoothly or lets say humans have adapted to dust with changes now. Now digital revolution when did it started when will it end; it started when one came up with thought that why humans have to do everythings when machines can do anything! they can think, they can answer, they can create, they can do what human's can't even think and about the end we do not know when if will end let's answers if won't end as the speed and requirement of technology is increasing exponentially No field, No area, No section of society is left which haven't been affected by this digital revolution off course the one of most affected one is our very own "Education system". the education and knowledge is treasure on which no country no human, no creatures have their hold. The age when we use to ask our guru's about every doubt to the age where we type and ask our very own AI assistance (Meta, Gemini, GA) The

state when we use to write on leaves to the point and era when we have to just give heading an AI do everything for us.

But then we say "The great power comes' with great responsibilities". The pros and cons of AI are very closely competing and yet one have liberty to decide weather its pro for him/her or a con for him/her.

Let's be positive as being positive before going to be negative itself is a good Mind exercise say's my AI assistant. AI was born very early when we see it with respect to covid timeline off course the blast and Boom which was gained by AI during and after covid was significant yet it started very early. Today we don't have to run behind book worms for notes, you type your syllabus, your topic AI knows everything and AI will come up with best and easiest solution. Although we had alots of --- search engines already since 2000 but the problem or loop hole was we had to feed them with information at every point of time and the engine were not efficient to make things on their own the use to come up with the exiriting information from their data storage centres. So if the problem was created by human than human only had to find solution for it so that search engine could represent it but now when I am writing this essay we broke all limits and have entered into the age "Modern age of AI"

when the Baric Raw information is feed to AI like a child then rest this technology Machine, as code have ability to make wonder out of it. The subjects which were hated by people our very own Quantum Physics 'the wonder of Nature' was very difficult to understand and learn. Still hats off to great scientist, physics, chemist who studied and B came up with so much Information which is sufficient for one AI to learn and start its very own Quantum computation without and help. The resent claim by google that their super AI chip is capable of solving problems in 0.0005 sec which very impossible for a super quantum computer to solve. The teaching have become so smooth. The AI ---- knows that we all are different we all are different we all learn in different pattern then why are we taught in same pattern and then AI comes up with their own solution to teach every one in different get identical. Today we don't have to pay lakhs of Rupees to all those scam C'oaching institutes which manipulate and scam students, all we need is a smart phone which have sim card, a internet connection and a free available AI by alot's of App. you watch your videos learn and who says you will not have double obviously you will have many doubts but now you do not have to Run everytime to someone for help. Your very own AI is capable of explaining of difficult theories of physics, Exceptions and their reasons in chemistry. The logic behind maths and anything today. We are at point in this revolution when I start writing about pro's of AI the limit would, have to be extended as one sheet wouldn't be enough to mention everything when we are dependent on AI.

The physics says it there is positive then the probabling of existence of negative is 100% so our sweet digital revolution also have negative impact on education or I should call AI ---- "Swat poison" which do not kill us but yet affects us in many ways. The thinking ability of humans is their gifts by nature but there days due to AI we have stopped thinking so much as our every problems solution is ready with AI earlier the problems were solved by thinking for hours, days, months, years but Now due to AI we have stopped doing so If I consider my self in centre and talk during my 11th and 12th. I use to remember all the values of change, weight of electrons proton the order of elements in periodic table but now I hardly remember from hydrogen to sodium. The assignment were consider so much creative projects back then but now the problem is wheather the assignment is a essay, a thevis, a chart, a PPT. We all have AI which make it effortlessly for us.

The balance a "0" is done by both positive as well as negative so both the aspects of AI are improtant the positive help us the negative teaches us and give lessons where humans can fail. It's not in the hand of AI but in the hard of uses wring it as we are the one who decide wheather you I what to gain positive out of it or negative out of it. The harsh reality is use of AI is going to keep increasing we have to learn how we can over power all our negative problems with AI by positive ones as living withou AI is possible when I am writing this essay (2024) but ofter a decade the AI and human's are going to be together for each other the teaches, students, institutes have to consider all the negatives and come up with positive which is good for everyone.

❖❖❖

Digital Revolution in Education : (Use of AI)

Vineet Kashelkar

T.Y.B.Sc.

The 21st century has seen a huge digital revolution and its impact on various fields and sectors throughout the globe. Especially the impact of AI has caused drastic advancement in technology and the human lifestyle. AI (Artificial Intelligence) is not just a tool, it is a catalyst that will help us redefine the way we learn, think and perceive our surroundings. The impact of AI on Education and the system governing it is quite very considerable.

AI as a catalyst :

Till now we have been relying on 'One-size-fits-all' ideology, which often failed to address the diverse needs and caliber of students. Each student has their own preference and grasping. AI has made it possible for every student to have a personalized and customized learning system. They can ask AI tools to customize a study plan for them in each or every subject they need help in AI has the ability to evaluate and identify the strengths and weaknesses of the user student, which will help one to understand oneself and improve in respective field at their own pace and preferences.

Not only it will help students but will also help teachers in many ways. Teachers could focus more on teaching in class than that of in paper-work. They can use AI to automate the paper-checking and evaluation part, attendance, grading and scheduling can also be automated.

Think outside the box :

Students can think and learn, outside the traditional classroom learning programmes. They can access global knowledge, whenever and wherever they want. They can learn about places and things those are unfavourable for human, using advanced AI tools, that we'll discuss in further paragraph.

Advanced tools AI has brought to as : AI has tools like translators which are accessible to all, which has made possible for every student to consume knowledge in any language they prefer sitting at any corner of world (if given access to). It has tools like text-to-speech and AI based sign language which helps and encourages disabled people to learn and access to knowledge for. e.g. A visually impaired person can use the text to speech tool to learn and gain knowledge. All these tools have eradicated the barriers and bridged the gap between privileged and underprivileged. Making learning fair and inclusive.

Tools like AR (Augmented reality) can help students visualize 3-D models of monuments, stimulate chemical reactions, etc. and VR (Virtual Reality) can actually put you into an environment where humans are or have been unable to for eg. to study volcanoes, Ocean floors, Space expeditions etc. Basically AI has made everyone to access to knowledge regardless of their socio-economic background, language, culture or financial disparity.

Ethical landscape :

Digital revolution is always accompanied by challenges. When we allow AI to evaluate us, it's obvious that it has access to our data. Therefore there's a risk of data leak, privacy breach and also over reliance on AI. Therefore teachers, mentors and institutions should make the processing and storing of data transparent for AI tools. Along with increasing digital literacy among students, by students it should be taken care that it is not misused, or they are over-relied on it, also we should preserve their creativity from getting destroyed (due to over use of AI). Also teachers should use AI tools for more efficiency but without being overshadowed by AI. Although, AI cannot replace teachers and mentors, because the

creativity, mentorship and empathy teachers bring is irreplaceable. The main concern is also of accessibility in remote areas. If made available to them, inclusivity will increase further.

I would like to conclude this essay saying that, I see this age of digital revolution

as an unparalleled opportunity to rethink and reconstruct our traditional classroom learning programmes. If used responsibly and if harnessed AI carefully it can unlock infinite human intelligence. So let's accept and embrace this revolution, keeping in mind that no one's left behind.

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Impact of Artificial Intelligence on Education

Divyesh Roshan

FYBCOM

Artificial Intelligence has emerged as one of the most transformative forces across various industries and its impact on education has been profound. As the digital age reshapes traditional learning as we know it, AI is paving the way for a more personalised accessible and efficient educational experience. AI's ability to automate processes, analyse vast amounts of data and adopt to individual needs is redefining how students learn and educators teach. However, while its advantages are, the integration of AI has raised regarding equity, ethics and the role of traditional educators.

One of the most significant advantages of AI is its ability to personalize learning experiences. Unlike traditional teaching where all students receive uniform instructions, AI platforms analyse individual learning pattern, strengths and weaknesses. For example, adaptive learning platforms can adjust the difficulty of tasks based on a student's progress ensuring a challenging opportunity for growth without being overwhelmed. Platforms like Dream Box learning are excellent examples of AI-powered systems that provide personalized math lessons for younger students. Similarly, AI recommends courses that align with a student's career goals and previous achievements. This level of personalisation not only enhances academic outcomes but also helps students build confidence by addressing their unique needs.

Beyond personalisation, AI has revolutionized accessibility in education, particularly for students with learning disabilities and those facing language barriers. AI-powered tools like Microsoft Immersive Reader and Offer. AI have made significant strides in helping students with reading challenges or hearing impairments. Immersive reader can convert text into speech, break down complex sentences and translate content into multiple languages, empowering students who might otherwise struggle. Similarly, Offer. AI transcribes lectures in real-time, providing an invaluable resource for students who need detailed notes or have hearing difficulties. Additionally, real-time AI translation tools, such as Google Translate, are surpassing language barriers, enabling students and educators from diverse linguistic backgrounds to collaborate and communicate seamlessly. These multilingual tools foster inclusivity and global collaboration.

AI's ability to streamline administrative tasks has also freed educators to focus on their core responsibilities: teaching and mentoring. Tasks like grading, attendance tracking and rescheduling which traditionally consumed hours of a teacher's time, are now automated with remarkable accuracy. For instance, platforms like Gradescope help grade assignments faster and more consistently, while Turnitin detects plagiarism in student submissions, ensuring academic integrity. Moreover,

virtual assistants and chatbots powered by AI offer round - the - clock support for students. This is showcased by Google Socratic app which uses image recognition and AI to solve homework questions. By guiding students through step by step solutions providing additional learning resources, Socrates serves as a 24/7 tutor serving as a 24/7 tutor, making education more accessible outside the classroom.

AI has also transformed how students learn, through gamification. Gamified learning platforms leverage AI to make lessons interactive, engaging, and enjoyable. Quizlet for example uses AI to create adaptive flashcards and quizzes that match a student's progress, helping them master concepts through repetition. Similarly, Prodigy Education, combines gaming elements with maths, allowing students to solve math problems in a role - playing game format. These approaches not only increase retention, but also encourage students to view learning as an exciting and rewarding process. By incorporating AI-powered gamification, educators can address waning attention span and foster an interest, or even love, for learning.

Another educational application of AI lies in the development of AI tutors and virtual teaching assistants. Unlike traditional learning tools, AI tutors are designed to interact dynamically with students, offering personalised guidance and support. Khan Academy's Khanmigo perfectly encompasses this concept by acting as a conversational tutor that simulates human interaction. Beyond providing solutions, Khanmigo responds to students' emotions, creating a supportive learning environment. AI powered tutors like Khanmigo bridge the gap between AI efficiency and human empathy.

Despite its many advantages, the integration of AI in education is not without its challenges. One critical concern is the potential erosion of human touch in learning. While AI systems excel at analyzing data and predicting outcomes, they lack the emotional intelligence and empathy that human educators bring to the classroom. Education is not solely about imparting

knowledge, it also involves nurturing creativity, collaboration and emotional resilience. Human educators play a vital role in addressing the diverse needs of students, especially those who require extra encouragement or guidance. Over-reliance on AI tools, risks creating impersonal environment, where the nuances of human interaction are lost.

Another significant challenge lies in data privacy and security. AI systems collect and analyse vast amount of data to function effectively, raising concerns about how information that is often sensitive is stored, used, and protected. Without stringent regulations and transparency, there is a risk of data misuse be it through breaches or unethical practices. Furthermore, biases embedded in AI algorithms can perpetrate stereotypes. For instance if an AI tool is trained on data that lacks diversity, it may not fairly assess students from under represented background. Such issues highlight the need for ethical oversight in the usage of AI in education.

Accessibility remains as another critical issue, particularly in regions with limited technological infrastructure. While AI tools have the potential to transform education as we know it, their effectiveness is often hindered by disparities in access. High costs associated with AI driven platform, devices, and reliable internet connectivity make these tools inaccessible to many under privileged students. This digital divide threatens to widen the existing gaps in educational opportunities, undermining the goal of equitable learning for all.

Despite these challenges, the future possibilities of AI in education are immense and promising. For instance hyper-personalised curricula could become a reality, with AI designing individual learning paths based on a student's goals, interests and learning style. AI powered virtual reality platforms may revolutionise hands-on learning by creating immersive experiences, such as conducting science experiments as exploring historical landmarks. Real-time AI translation tools are likely to advance further, eliminating

language barriers entirely and fostering global classrooms where students from different countries learn together seamlessly.

Moreover, the concept of smart classrooms powered by AI and the Internet of things, could redefine the learning experience. In such environments, sensors and AI systems could work together to monitor student engagement, identify areas of difficulty and provide real-time feedback to both students and educators. These data-rich ecosystems would empower educators to make informed decisions about teaching strategies, ensuring every student receives the support they need.

Ethical AI frameworks, will play a crucial role in the future of education. These guidelines must prioritize fairness, transparency and student well-being while addressing biases and privacy concerns. By fostering collaboration between educators, technologists and policy makers, it is possible to ensure that AI serves as a tool to complement rather than replace, human educators and traditional learning.

In conclusion, AI has already begun to reshape education by enhancing personalisation, accessibility and efficiency. Its ability to analyse data and adopt to individual needs has transformed how students learn and how educators teach. However, the challenges associated with AI, such as ethical concerns like plagiarism and ingenuity, inequity in access, and the risk of diminishing human connection cannot be overlooked. We look to the future, the potential of AI to create hyper-personalized learning environment, immersive educational experiences, and emotionally intelligent AI tutors like Khanmigo is both exciting and promising. To fully realise their benefits, it is essential to address the challenges, and AI must be ensured to be a tool that empowers both students and educators. With careful integration, AI has the potential to revolutionise education while preserving its core purposes: proper pursuing and fastening of growth, rewarding and encouraging curiosity and building connections.

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Impact of Artificial Intelligence on Education

Anvesha Chandrashekhar Angre

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Artificial Intelligence (AI) is no longer just a buzzword; it has become an integral part of our daily lives. From virtual assistants like Siri and Alexa to self-driving cars, Artificial Intelligence (AI) has revolutionized numerous industries and its impact on education is profound and transformative. From personalized learning and intelligent tutoring system to administrative automation and predictive analytics, AI is reshaping how education is delivered, accessed and managed. While the integration of AI in education brings numerous opportunities for enhanced learning experiences, it also raises concerns related to ethics, equity and the role of human teachers.

One of the most significant impact of AI in education is the ability to create personalized learning experiences. Traditional education system often adopt a one-size-fits-all approach, which may not cater to the diverse learning needs of students. AI-powered tools, however, can analyze individual student data including learning pace, strengths, weaknesses and preferences, to tailor educational content and activities.

For instance, platforms like Duolingo and Khan Academy use AI algorithms to adapt lessons to each student's skill level. If a student struggles with a particular concept, the system can provide additional

practice and resources, ensuring mastery before moving forward. This personalized approach helps improve learning outcomes, boost engagement and foster a sense of autonomy in learners. Furthermore, AI-driven learning system can identify knowledge gaps in real time and recommend targeted intervention. For example, Dream Box Learning an AI-powered math education platform, continually assesses a student's progress and adjusts lessons accordingly. Such adaptability ensures that no student is left behind while enabling advanced learners to progress at an accelerated pace.

AI has given rise to intelligent tutoring systems that mimic the functions of human tutors. These systems use natural language processing and machine learning to engage students in interactive dialogues, provide instant feedback and offer explanations. They are particularly useful in subject like mathematics, programming and language learning where frequent practice and feedback are essential.

One notable example is IBM's Watson Tutor, which provides personalized tutoring by analyzing a student's learning patterns and adapting its teaching strategies. Similarly, Carnegie learning's MATHia uses AI to coach students in mathematics, offering step by step guidance and hints. These systems not only make learning more accessible but also reduce the dependency on physical tutors, especially in remote or under-resourced areas. While ITS earlier cannot entirely replace human educators, they serve as valuable supplements. They allow teachers to focus on higher-order tasks like fostering critical thinking and creativity while delegating routine instruction and practice to AI systems.

AI is streamlining administrative tasks in education, reducing the burden on teachers and administrators. Tasks such as grading assignments, tracking attendance, scheduling and managing student records can be automated using AI, saving significant time and resources.

For example, AI - powered grading system can evaluate multiple - choice

questions and even essays using NLP algorithms. Turnitin, a popular AI tool, not only checks for plagiarism but also provides automated feedback on writing quality. These tools enable educators to focus more on teaching and mentoring rather than administrative work.

Moreover, AI - driven platforms like Admit Hub and Salesforce for education help institutions manage admissions, student inquiries and communication efficiently. Virtual assistants powered by AI can answer routine questions, guide prospective student through the application process and provide updates, thereby enhancing the overall administrative workflow. By streamlining administrative processes, AI enables teachers to devote more attention to individual student needs, fostering a more supportive and engaging learning environment.

AI has the potential to democratize education by making it more accessible to learners worldwide. Online education platforms like Coursera, edX and Udemy leverage AI to deliver high quality courses to students regardless of their geographic location. These platforms often incorporate AI - driven features such as automated grading, adaptive learning and virtual tutors to enhance the learning experience.

AI also plays a crucial role in addressing the needs of students with disabilities. For instance, speech recognition and text-to-speech technologies assist visually impaired and dyslexic students. Similarly, AI - powered tools like Microsoft's immersive reader help students with reading difficulties by breaking down complex sentences and providing translations.

Additionally, AI - driven language translation tools enable non - native speakers to access educational content in their preferred language. By breaking down language barriers, AI fosters inclusivity and ensures that education reaches a broader audience. Transparency and accountability are key to building trust in AI - powered educational systems. Regular audit and evaluations can help identify and mitigate biases, ensuring that AI is used to enhance,

rather than hinder, learning outcomes.

Educational institutions are increasingly using AI - powered predictive analytics to make informed decisions. By analyzing historical and real time data, AI can identify trends, predict outcomes and offer actionable insights. For example, predictive analytics can help institutions identify at risk students who may be struggling academically or emotionally. Early intervention programs can then be designed to provide the necessary support, reducing dropout rates. Similarly, AI can assist in curriculum design by analyzing data on student performance and engagement to determine which teaching strategies are most effective.

At the administrative level predictive analytics aids in resources allocation, enrollment forecasting and faculty workload management. Such data - driven decision making enhances the efficiency and effectiveness of educational systems.

While the benefit of AI in education are undeniable, its integration also raises several challenges and ethical concerns. One major issue is data privacy. AI systems rely heavily on collecting and analyzing student data, which raises questions about how this data is stored, shared and protected. Educational institutions must ensure robust data security measures to safeguard student's personal information.

Another concern is the potential for bias in AI algorithms. If the data used to train AI systems is biased, the outcomes may perpetuate existing inequalities. For instance, AI grading systems have faced criticism for favoring certain linguistic or cultural expressions over others. Ensuring fairness and transparency in AI system is crucial to avoid discrimination and promote equity.

The increasing reliance on AI in education also raises questions about the role of human teachers. While AI can handle routine tasks and provide personalized instruction, it cannot replicate the empathy, creativity and mentorship that human educators bring to the classroom. Striking a balance between AI integration and human

involvement is essential to preserve the human touch in education. Although AI offers numerous benefits for education, it is essential to address the ethical implications and potential biases associated with its use.

The future of AI in education is promising, with advancements in technology opening new possibilities. Virtual reality (VR) and augmented reality (AR) integrated with AI can create immersive learning environments, allowing students to explore complex concepts interactively. For instance, students can take virtual field trips to historical sites or conduct virtual lab experiments, enhancing their understanding and engagement.

AI could also play a pivotal role in lifelong learning and upskilling. As industries upgrade, the demand for knowledge and skill upgradation of workforce increases. AI - driven platform can provide personalized learning pathways for professionals, helping them acquire new skills and stay competitive in job market.

Moreover, as AI technology becomes more sophisticated, it may enable more effective collaboration between students, teachers and parents. For example, AI - powered dashboards could provide real time updates on a student's progress, enabling timely interventions and fostering a collaborative approach to education. AI can augment human capabilities, enable teachers to deliver more effective and engaging learning experience. By working together, humans and AI can create a truly transformative learning experience that empowers students to succeed in the 21st century.

Artificial intelligence is reshaping education in unprecedented ways, offering opportunities for personalized learning, intelligent tutoring, administrative efficiency and expanded access. However, it also poses challenges related to ethics, equity and the role of human educators. As AI continues to evolve, it is imperative to strike a balance that leverages its potential while addressing its limitations.

The integration of AI in education should be guided by principle of inclusivity, transparency and collaboration. Policymakers, educators and technologists must work together to ensure that AI enhances learning experiences without

compromising ethical standards or human values. By doing so, AI can serve as a powerful tool to create a more equitable, efficient and engaging education system for future generations.



Impact of Globalisation on Local Market

Anushka Chandrashekhar Angre

TYBCOM

Globalization, the process of increased interconnectedness and interdependence among countries through trade, investment, technology and cultural exchange. It has significantly transformed local markets worldwide. Its influence has been profound, bringing both opportunities and challenges to economies, businesses and communities. It has fostered economic growth and innovation, it has also introduced challenges such as heightened competition and cultural homogenization.

One of the most notable impact of globalization on local markets is the expansion of economic opportunities. Globalization has opened up new economic opportunities for local markets. By enabling access to international trade, many local businesses and producers have found new markets for their goods and services. For examples - farmers in developing countries can now export crops like cocoa, coffee or spices to meet global demand, thus increasing their income and also artisans and small businesses can export their product to a global audience.

Multinational corporations (MNCs) have also contributed by creating jobs, introducing advanced technologies and improving infrastructure in host countries. Foreign direct investment (FDI) is another significant benefit. Globalization has facilitated the development of supply chains that connect local producers with global markets. Investments like FDI contribute to infrastructure development and foster skill

development among the local workforce. For example, country like India have witnessed rapid industrial growth due to globalization, boosting their economies and elevating millions out of poverty. E-commerce platforms such as amazon have empowered small businesses to sell their products globally in limited marketing budgets.

While globalization has expanded opportunities it has also intensified competition in local markets. The entry of MNCs often challenges domestic firms particularly small and medium enterprises, which may struggle to compete with pricing, technology and brand strength of the global players. This dynamic can lead to the displacement of traditional businesses and loss of market share for local companies. For instance, the presence of global retail giants like walmart has sometimes displaced local retailers, leading to job losses and reduced market share for local businesses.

On the positive side, competition has driven innovation and efficiency. Local firms are compelled to improve product quality, adopt new technologies and reduce costs to remain competitive. This benefits consumers through better products and lower prices. However, it can also lead to market monopolization if global corporations dominate, leaving little room for smaller players to thrive.

Globalization has significantly influenced local cultures and consumption

pattern. Exposure to global media, brands and lifestyles has reshaped consumer preferences leading to adoption of international trends and practices. Globalization has a profound effect on cultural aspects of local markets. The influx of foreign brands, lifestyles and media has influenced consumer preferences often leading to adoption of global trends. For example, global fast food chains, fashion brands and entertainment platforms have reshaped cultural norms and behaviors.

However, this cultural exchange is a double- edged sword. While it promotes diversity and cross-cultural understanding it can also erode local traditions and identities. For example traditional crafts or local cuisines may lose relevance as global products gain prominence. This cultural exchange lead to erosion of local traditional and identities. This cultural homogenization risks reducing diversity and undermining the uniqueness of local heritage.

The environmental impact of globalization on local markets is another critical aspect. The rise in production and consumption driven by global demand often leads to overexploitation of natural resources. Deforestation, water pollution and loss of biodiversity are common issues in regions heavily integrated into global supply chains. The globalized supply chain has increased the carbon footprint associated with transportation and logistics.

The transportation of goods across long distance contributes to greenhouse gas emissions, exacerbating has enabled the transfer of green technologies, the environmental costs often outweigh these benefits without strict sustainability measures. Globalization has enabled the dissemination of green technologies and sustainbale practices implementing these solutions often lags behind the pace of environmental degradation.

Globalization has posed challenges for policymakers in regulating local markets. The integration of economies requires governements to balance the interests of domestic industries with international trade

obligations. Policymarkers need to protect local industries without resorting to excessive protectionism, which can hinder international trade relations. Different regulatory frameworks across countries complicate the establishment of common standard in areas like product quality, safety and environmental protection. Multinational corporations often exploite loopholes in global tax law, leading to revenue losses for local governements.

Issues such as tax avoidance by multinational companies, intellectual property rights and labour standards often complicate this balancing act. Developing countries, in particular, face challenges in negotiating favorable trade agreements and protecting their local industries from exploitation. Without robust policies, local markets risk becoming overly dependent on foreign investments, which can lead to economic vulnerability.

Technology has been a driving force behind globalization and its impact on local markets. Digital platforms and advanced communication tools have revolutionized business operations, enabling even small-scale entrepreneurs to compete globally. For instance, artisans from rural areas can now sell their products through online marketplaces, reaching a global customer base. The Internet, smartphones and digital platforms enable businesses to connect with global customers and suppliers effortlessly.

Technologies like video conferencing and collaboration tools simplify cross-border partnerships. Platforms like Amazon, Alibaba, and shopify allow small businesses to reach international markets. Payment gateways and digital currencies ease cross-border transactions. Social media and search engines empower businesses to target global audiences. Data analytics help in understanding consumer behaviour across markets. However, the digital divide remains a significant barrier in many regions. Markets without adequate technological infrastructure risk being excluded from the benefits of globalization widening economic disparities.

Globalization has transformed labour markets by creating new job opportunities but has also introduced challenges. In developing countries, globalization often leads to the establishment of industries with low labour cost which can exploit workers through poor wages and unsafe working conditions. Conversely local skilled workers may find themselves displaced by cheaper labour from abroad.

The integration of local markets into the global economy can also create income disparities with urban areas benefiting more than rural ones. This imbalance often widens the gap between different socioeconomics group within a country. Unequal benefits from globalization can create divisions within communities. Changes in traditional livelihood and lifestyles may disrupt social structures and relationships. In some cases, globalization can foster corruption as powerful global corporations negotiate favorable terms with weak local governments

The impact of globalization on local economies is evident in the realm of employment and job creation. Globalization has created new opportunities for employment, particularly in export - oriented industries. As businesses expand their operations to international markets they require a skilled workforce to meet the demand of production and services.

However, globalization has also led to shifts in the labour market, with some industries experiencing job displacement due to increased competition from abroad. For instances, the outsourcing of manufacturing job to countries with lower labour costs has led to job losses in certain sectors in developed economies. While globalization creates jobs in emerging industries, it necessitates the adaptation of workers to new skill requirements. This often results in establishment of new businesses, manufacturing units and service centers, creating job opportunities for local population.

The impact of globalization on local markets is multifaceted bringing both the opportunities and challenges. While it has spurred economic growth, innovation and cultural exchange it has also intensified competition, posed environmental risks and created policy challenges. To maximize the benefits of globalization, it is crucial to implement inclusive policies that support local business, preserve cultural heritage and promote sustainable development. By addressing these challenges, societies can ensure that globalization serve as a force for equitable and long-term progress. By balancing globalization's opportunities and challenges, local markets can thrive in an interconnected world.

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Pretty

Mr. Subhash Krishnan
Vice-Principal

From a young age, I've been constantly reminded of my dark skin. Growing up, I was often told by people around me that my skin color was not desirable. In my school years, my seniors would praise fair-skinned individuals, labeling them as cute, while I was overlooked. This ingrained in me a deep-seated belief that beauty was synonymous with fairness, and I began to see myself as unattractive.

In 7th grade, a senior called me cute, which left me feeling bewildered and skeptical because it contradicted everything I had been led to believe about beauty. As I progressed through school, the bias continued, and I felt marginalized due to my skin color. Later on, I did start receiving compliments from people, but I found it incredibly difficult to accept them as genuine.

When guys expressed their interest in me, I dismissed their advances, convinced they were mocking me, as I couldn't fathom why anyone would be attracted to someone as unattractive as me. This persistent self-doubt and negative self-image have haunted me for years. I have always felt uncomfortable with myself, my body, and particularly my skin tone.

Even when strangers go out of their way to compliment me, stopping their cars to tell me I'm pretty, I struggle to believe them. It feels like they must be mistaken or not seeing me as I see myself. This mindset has become a barrier to my self-esteem and self-acceptance. I desperately want to overcome these feelings, but I don't know how to change the way I perceive myself. How do I learn to accept and love myself, and break free from this damaging mindset?

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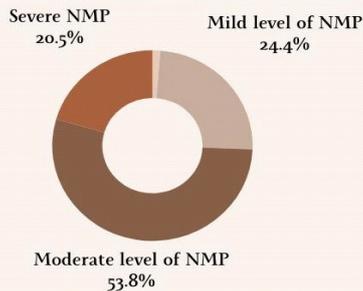
Nomophobia Unplugged

WHEN OFFLINE FEELS LIKE A CRISIS

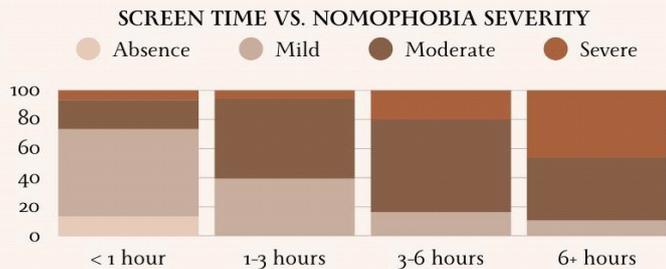
What's the first thing you do when you wake up? Check your phone? Don't worry, you're not alone!

A staggering 84% of Indian smartphone users check their phones within 15 minutes of waking up. This habit reflects a growing issue called nomophobia—the fear of being without a mobile phone. Our research at K.J. Somaiya College of Science and Commerce statistically analyzed its prevalence and impact, uncovering how deep smartphone dependency runs in daily life.

PREVALENCE OF NOMOPHOBIA



Nomophobia (no mobile phone phobia) is the anxiety people feel when separated from their phones. First identified in 2008, it has surged with smartphone usage. It manifests as discomfort, stress, or panic when someone forgets their phone, runs out of battery, or loses network connection. This growing dependency has real psychological and behavioral consequences. Our research explores its impact, patterns, and contributing factors.



98% of participants exhibited some level of nomophobia, proving that smartphone dependency is nearly universal.

Our study found that teenagers (13-17) were the most affected by nomophobia. Hypothesis testing confirmed that higher screen time increased nomophobia, often leading to withdrawal-like symptoms like restlessness and irritation. The biggest trigger for nomophobia-related anxiety wasn't a dead battery but losing network connection. Interestingly, gender had no significant impact, and those with high nomophobia tended to avoid face-to-face interactions, preferring digital communication. These findings reveal smartphone dependency's impact on social behavior.

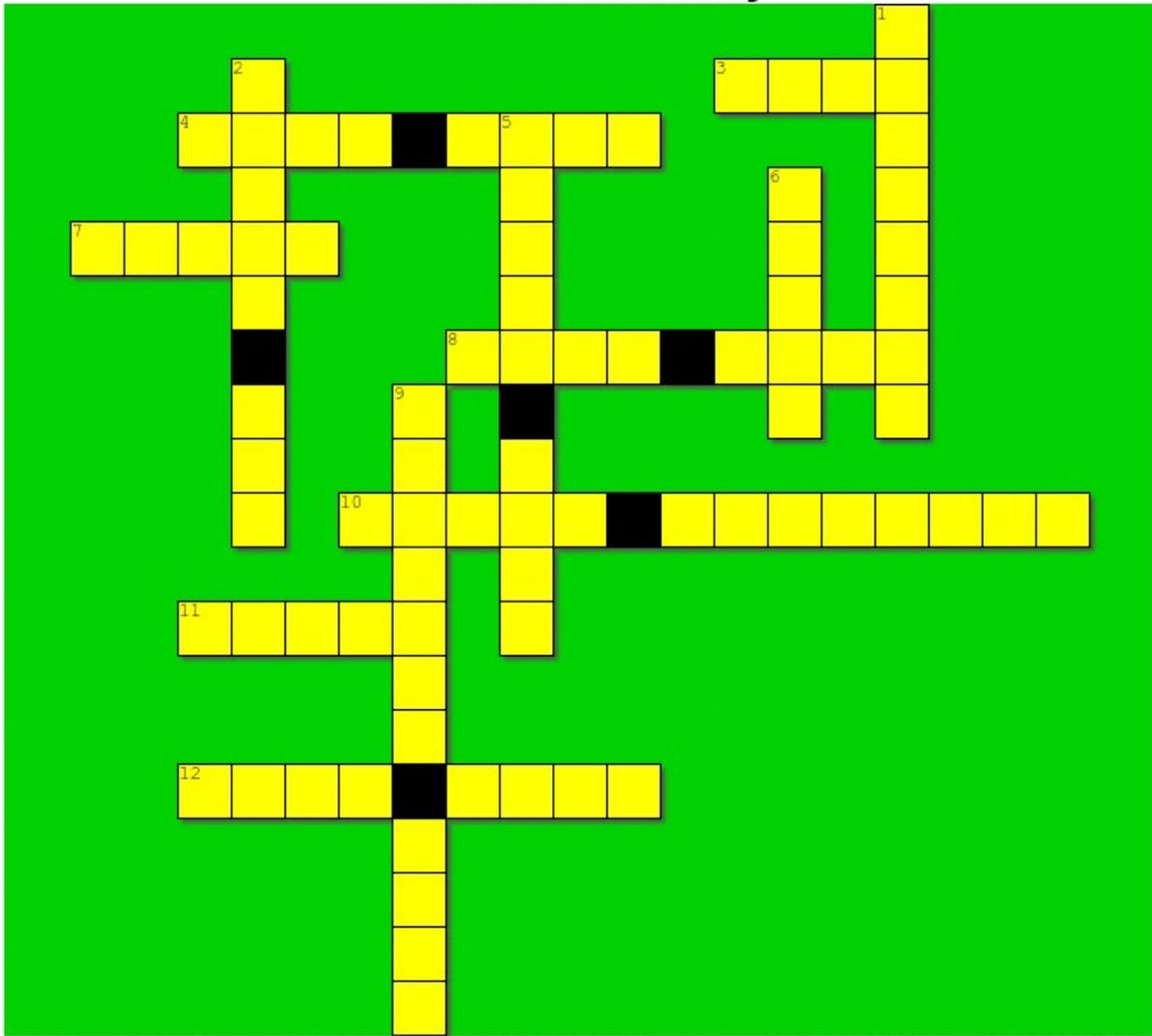
Combat nomophobia by reducing phone use gradually, especially before bed and during social interactions. Use screen time tracking to set limits and create no-phone zones in key areas like meals or study sessions. Replace screen time with offline activities like reading or exercise. Ultimately, nomophobia isn't just addiction—it's about how technology shapes our lives. Finding a balance is key to staying in control.

Fashion's recent focus on sustainability reflects a growing commitment to eco-friendly practices within the industry.



Name: _____

Nuclear Chemistry



Created using the Crossword Maker on TheTeachersCorner.net

Down

1. found in photomultiplier tube
2. phosphor used in scintillation counter
5. least penetrating radiation
6. A unit for measurement of radioactivity
9. inverse decay constant

Across

3. a unit for measurement of radiation dose
4. travel in zigzag manner
7. detector gas used in GM counter
8. time taken by RA element to reduce its activity by 50%
10. characteristic for each ra element
11. highly penetrating radiation
12. drawback of GM counter

The Revolution of Education - The perfect Synergy of AI and Humanity

Khan Bushara M.

MSc - 1

Imagine a world where there is no physical boundaries for school but operated in the limitless expanse of clouds a world where children can explore the wonders of solar system or any other topic which required more virtual learning become easy as visiting the Nearby playground. This is not a Sic-fi but the recatity that being shape by ai. This isn't limited for schools AI can be a personalised mentor. in career, job or even life. Since AI revolutioning the way student learn. creating a personalised experience that cater the Individual strength, weakness and learning speed. AI-tools like Khanmino and chatgpt tailored the seasons that seem to be challenging in a move understandable way the integration of AI don't replace the human touch but It enhance the depth of understanding and build the strong foundation of learning. There were a time where learning meant by dusky chalkboards and bulky text books but today and in tomorrow it will be personalied AI tutor, Virtual reality Classroom and education without borders. When we talk about empowering the students, AI also I empowers the educator or teachers. AI is not here to replace the teachers but amplify their teaching for the betterment of students eg. - AI books like automated grading and attendance system help teachers to reduces the mundene tasks allowing teachers to focus on what actually matter. i.e. Inspiring and mentoring the students by freeup the unnecessary uses of time.

Now by AI the traditional method of teaching by reading textbooks and explaining the concepts has altered in the most significant way. e.g. Imagine a History class where student can Ineract with historical figures like Mahatma Gandhi,

Mother Teresa etc. or Science can where the students can explore like 3rd molecular structure of DNA, this method of learning is enagagable and memorable. AI has a power full Impact on the revolution of education system In short, the digital advancement is rewriting the story of education. But great power comes with great responsibility after all of this Inclusive and Impactfull education method power by ai there is a high concerns arises eg. News like Newyoke schools banned chatgpt due to the student misusing it for cheating in exams or assignments. Similar concern has also arised where the AI is misused by student copying things and not responsibly using AI. But these challenges can be mitigated by teaching student about the responsible usage of chat gpt/ai. Since it will be great source where no student is left behind because of their learning speeds. e.g. grammerly help student refine there writing skills duolingo adapts the learner speeds and make language learning more enjoyable and Impact full etc. making education and learning advance and affordable.

Vision of tomorrow - Responsible & ethical use of AI can make the world a better place Imagine student from India, Japan and Brazil work together on a virtual project guided by ai this own come the cultural & language differences also breaking the intellectual Barriers. AI not only teaches but also guides.

Summary :-

AI and teachers are not competitors but partners that enable the true potential of learner. Where the education and learning is limitless creating the citizen of world a better human being.

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मराठी विभाग



मतदान करताना तरुण पिढीची अपेक्षा

मधुरा सुधीर दुरगुडे
X1th standard

मी एकट्याने मतदान नाही केलं तर काय फरक पडतो! मतदानानिमित्त सुद्धी आहे या सुद्धीचा आनंद उपभोगुया. कुठे तरी सहल काढुया! हे विचार म्हणजे नाकर्तेपणाचा कळस ठरतात. पण थेंबे थेंबे तळे साचे या उक्तीप्रमाणेच एका-एका मतांनी मतांचा डोंगर उभा राहतो. १५ ऑगस्ट स्वातंत्र्यदिन, २६ जानेवारी प्रजासत्ताक दिन या दिवशी प्रत्येक भारतीयांच्या मनात राष्ट्रप्रेम, राष्ट्रभक्ती ओसंडून वाहते. तसेच मतदानाबाबतही लोकांच्या मनात अशी कर्तव्यभावना चेतविण्याची अत्यंत गरज आहे.

लोकशाही ही आपल्या देशाची ताकद आहे आणि मतदान हा लोकशाहीचा कणा. भारतातील प्रत्येक नागरिकाला मतदानाचा हक्क आहे. भारताच्या उज्ज्वल भविष्यासाठी सुशिक्षित, जबाबदारी आणि विचारपूर्वक मतांची आवश्यकता आहे. तरुण पिढी ही मतदान प्रक्रियेत अगदी महत्त्वाची भूमिका ठरतात. लोकशाहीत विविध राजकीय पक्ष असतात. राष्ट्रीय, प्रादेशिक आणि स्थानिक हे त्यांचे स्वरूप आहे.

भारतीय जनता पक्ष, काँग्रेस इत्यादी हे राष्ट्रीय पातळीवरील पक्ष आहेत. शिवसेना, राष्ट्रीय जनता पक्ष इत्यादी हे प्रादेशिय पातळीवरील पक्ष आहेत. बहुजन समाजवादी पक्ष, आसाम गण परिषद इत्यादी स्थानिक पातळीवरील पक्ष आहेत.

तरुण पिढी ही देशाच्या विकासाची धुरा खांद्यावर घेऊन असतात. त्यांच्या विचारांना कार्यक्षमतेला योग्य दिशा दिल्यास ते भारताची प्रगती अतिशय वेगाने करू शकतात.

भारतात मतदान करण्यासाठी योग्य वयोमर्यादा निश्चित केल्या आहेत. मतदान करण्याआधी आपले नाव मतदान सूचीत असणे बंधनकारक असते. भारतीय निवडणूक आयोगाने ही नोंदणी ठेवली आहे.

तरुण पिढी ही मतदान करणारी प्रथम वयोगट १८-२५ मधील सगळ्या नागरिकांचं मत इथे फारच महत्त्वाचं ठरवले जाते. प्रौढ वयोगट २५-५० मधील सर्व नागरिकांची मत ही विचारपूर्वक आणि योग्य असतात. ज्येष्ठ नागरिक म्हणजेच वयोगट ५१ आणि त्यावरील सर्व नागरिक हे

अधिक विचारपूर्वक आणि पारंपरिक पद्धतीने मतदान अनुसरतात.

मतदान करताना देखील विविध अटी आणि निर्बंध असतात. १८ वर्षे आणि त्यापुढील सर्व नागरिकांना भारतीय निवडणूक अयोगाकडे नोंदणी करूनच मतदान करता येईल. मतदानादरम्यान ज्येष्ठ नागरिक आणि दिव्यांग नागरिकांना विविध सोईसुविधा उपलब्ध केल्या जातात. मतदानादरम्यान तरुण पिढीने अनेक जाहीरनामे, उमेद्वाराचे नेतृत्व या सगळ्याची माहिती घेऊन मतदान करणे आवश्यक आहे. भावनिक होऊन किंवा कोणत्याही चुकीच्या माहितीने किंवा कोणत्याही दबावाखाली येऊन मतदान न करता काळजीपूर्वक योग्य मतदान करावे. बरेच तरुण मतदानाला दुय्यम ठरवून आपले मत न नोंदवता त्या सुद्धीचा गैरवापर करतात.

यासाठी देशातील सर्व नागरिकांनी सामाजिक बांधिलकी करून स्वतःपुरतेच मत न करता सर्वांना मतदानासाठी प्रोत्साहन द्यावे. गावकसबे, शहर सगळीकडेच महाविद्यालयात जनजागृती करण्यासाठी मोहिमा आयोजित करून त्यांना मतदानाचे महत्त्व पटवून द्यायला हवेत. एवढेच नाही तर येणाऱ्या तरुण पिढीला देखील योग्य मतदान करण्यास सांगावे.

जात, पंथ, धर्म हे या पलिकडे देखील विचार करायला हवेत. तरुणांनी नेहमी राष्ट्रीय प्रगतीला प्राधान्य दिले पाहिजे. जात, प्रांत या गोष्टींवर मतदान न करता प्रामाणिक आणि सक्षम नेतृत्व निवडण्याचा प्रयत्न करावा तरुण पिढीने आपले मत योग्य पक्षाला देऊन आपल्या शहराची कशी प्रगती होईल. प्रत्येक नागरिकांना सुखसोई कशा लाभतील? ज्येष्ठ नागरिकांना मोफत रुग्णालयाची उपलब्धता कशी होईल? आणि अशा बऱ्याच गोष्टी लक्षात घेऊन योग्य पक्षाला निवडून द्यायला हवे. त्याच बरोबर कोणाला मतदानाबाबतीत फसवले तर जात नाही ना? या सगळ्यावर लक्ष देऊन मतदान करण्याची माहिती येणाऱ्या तरुण पिढीपर्यंत पोहचवायला हवी. ही सगळी कार्ये तरुण पिढीने पार पाडायला हवीत आणि आपल्या देशाला प्रगती करण्यास मदत करावी.

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प्रिय अमुचा एक महाराष्ट्र देश हा...

तनुजा राजाराम येळवे
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ही मायभूमी, ही जन्मभूमी ही कर्मभूमी अमुची;
महावंदनीय अति प्राणप्रिय ही माय मराठी अमुची
राकट देशा, कणखर देशा, दगडाच्या देशा
प्रणाम घ्यावा माझा, हा श्रीमहाराष्ट्र देशा

महाराष्ट्र म्हणजे महान राष्ट्र होय. मराठी मातीचा व
मराठी माणसाचा हा महाराष्ट्र. सह्याद्रीच्या कडे-कपारातून
'जय जय महाराष्ट्र माझा' म्हणत घोंगावणाऱ्या वादळ-
वाऱ्यांचा हा महाराष्ट्र. स्वराज्य स्थापनेसाठी मारायला आणि
मरायला मागे-पुढे न पाहणाऱ्या शिवरायांच्या मावळ्यांचा
हा महाराष्ट्र. सवतःच्या किर्तन, अभंगातून नि भारुडातून
समाज जागृती करणाऱ्या ज्ञानोबा, तुकोबा, एकनाथांचा हा
महाराष्ट्र, वाईट रुढी परंपरा, स्त्री अतयाचार यातून समाजाला
मुक्त करणाऱ्या शाहु, फुले, आंबेडकरांचा हा महाराष्ट्र,
महाराष्ट्रात जन्मी-वारली अशा भारताच्या पहिल्या महिला
डॉ. आनंदीबाई जोशी यांचा हा महाराष्ट्र.

अशा या संयुक्त महाराष्ट्राची स्थापना १ मे १९६०
रोजी झाली. संपूर्ण महाराष्ट्रात हा दिवस 'कामगार दिन'
म्हणून ओळखला जातो. तरीही महाराष्ट्राला यापूर्वी मोठा
इतिहास लाभला आहे. महाराष्ट्राचे आराध्य दैवत, लढाऊ,
महान योद्धा व स्वराज्याचे तोरण बांधणारे छत्रपती शिवाजी
महाराज, जहालमताचे प्रवर्तक लोकमान्य टिळक, स्त्री
शिक्षणाच्या प्रणेत्या सावित्रीबाई फुले, स्वातंत्र्यवीर सावरकर
अशी अनेक अनमोल रत्ने याच मातीत जन्माला आली.

गानसम्राज्ञी, भारतरत्न प्राप्त असणाऱ्या लता मंगेशकर,
क्रिकेटचा देव, तेंडुलकर, विक्रमादित्य सुनील गावसकर,
भारतीय चित्रपट सृष्टीचे जनक दादासाहेब फाळके, अविरत
समाज कार्य करणारे बाबा आमटे, स्वरसम्राट पंडीत भिमसेन
जोशी, ऑलिंपिक सारख्या जागतिक स्तरावरच्या क्रिडा
स्पर्धेत भारताला पहिले पदक मिळवून देणारे खाशेबा जाधव,
AK-47 सारख्या तब्बल २० गोळ्या आपल्या निधड्या
छातीवर झोलून आंतकवादी कसाबला पकडण्याचे महत्त्व

पूर्ण कार्य बजावणारे तुकाराम ओंबाळे इ. अशा अनेक
जणांनी आपल्या शौर्याने कर्तबगारीने महाराष्ट्राचे नाव
जगभरात अजरामर केले आहे.

दिल्लीचेही तख्त राखतो महाराष्ट्र माझा, जय जय
महाराष्ट्र माझा, गर्जा महाराष्ट्र माझा.

माझा हा महाराष्ट्र डोंगर दऱ्यांनी, शिवबांच्या
गडकिल्ल्यांनी सजला आहे. गोदावरी-कावेरी सारख्या
मोठ्या नद्या चंद्रभागा, गंगा सारख्या पवित्र नद्या, कृष्णा-
कोयनेचा प्रीतिसंगम, अजिंठा-वेरुळ सारखी प्राचीन लेणी
अमाप निसर्ग सौंदर्याने नटलेला कोकण, पश्चिमेकडे वाहणारा
अरबी समुद्र व सह्याद्रीच्या पर्वतरांगा हे महाराष्ट्राचे वैभाव
आहे.

मुंबई ही महाराष्ट्राची राजधानी व आर्थिक राजधानी
आहे. तर नागपूरही उपराजधानी आहे. महाराष्ट्राचे राज्यफूल
ताम्हण तर राज्यफळ आंबा आहे. महाराष्ट्राचा राज्यप्राणी
शेकरू तर राज्यपक्षी हरियाल आहे. मराठी ही महाराष्ट्राची
समृद्ध भाषा मायबोली आहे. गणेशोत्सव हा महाराष्ट्रातील
सर्वात मोठा उत्सव आहे. हे राज्य कृषी उत्पादनात अग्रेसर
आहे. भारतीय चित्रपट व टेलिव्हिजनचे हे प्रमुख केंद्र
आहे; दरवर्षी या राज्याला देश-विदेशातून करोडो रुपयांचा
महसूल मिळतो.

मराठी माणसामुळे व त्यांच्या कार्याने आज हा महाराष्ट्र
प्रगतीच्या दिशेने वाटचाल करित आहे. महाराष्ट्राने आज
त्याची दिव्यपताका संपूर्ण जगात फडकवली आहे व मी या
महाराष्ट्राच्या मातीत जन्माला आले याचा मला सार्थ
अभिमान आहे. असा हा महाराष्ट्र मला प्राणाहूनि प्रिय
आहे.

बहू असोत सुंदर संपन्न कि महा,
प्रिय अमुचा एक महाराष्ट्र देश हा.

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भारताच्या विकासातील रतन टाटांचे योगदान

समिक्षा सुभाष फडतरे

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रतन टाटा केवळ भारतातीलच नव्हे तर जगातील सर्वात प्रतिष्ठित, औद्योगिक, नेत्यांपैकी एक आहेत. त्यांना अनुकरणीय नेतृत्व गुण आणि भारताच्या आर्थिक प्रगती आणि सामाजिक उन्नतीसाठी, उत्कृष्ट योगदानाचे श्रेय दिले जाते.

टाटा सन्सचे प्रमुख म्हणून सुरुवात करून सर्वात जुनी आणि सर्वात महत्त्वाची टाटा कंपनी आणि रतन टाटा यांनी टाटा समूहाची स्थापना केली. त्यांचे जीवन आणि कार्यप्रणाली, त्यांचे धर्मादाय प्रयत्न आणि त्यांनी स्थापन केलेल्या संस्थांचा भारत आणि जगावर मोठा प्रभाव निर्माण झाला.

रतन टाटा यांचा जन्म २८ डिसेंबर १९३७ रोजी मुंबई, भारत येथे नवल टाटा यांच्या घरी झाला. रतन टाटा यांचे बालपण खडतर असूनही, ते शांतपणे गुणवंत विद्यार्थी असल्याचे सिद्ध झाले.

रतन टाटा यांनी १९६२ मध्ये कॉर्नेलच्या टेक्निकल युनिव्हर्सिटीमधून स्ट्रक्चरल इंजिनिअरींगसोबत आर्किटेक्चर-मधील शिक्षण पूर्ण केले. १९६२ मध्ये ते टाटा समूहात सामील झाले. १९९१ मध्ये ते टाटा सन्सचे अध्यक्ष झाले.

टाटा समूह हा शब्द एकतो तेव्हा आपण भारतातील सर्वात जुन्या आणि सर्वात प्रतिष्ठित समूहाचा विचार करतो, जो विमान वाहतूक ते मीठापर्यंत विविध क्षेत्रांमध्ये कार्यरत आहे. टाटा समूहात कालांतराने विश्वासार्हता, उत्कृष्टता आणि सर्जनशीलतेचे प्रतीक म्हणून स्वतःची ओळख निर्माण केली. भारतीय समाजावर त्यांचा व्यापक प्रभाव त्यांच्या पाऊलखुणामध्ये दिसून येतो. जे अनेक उद्योगांमध्ये पसरलेले आहे. टाटा समूहाच्या यशाची कोणतीही चर्चा रतन टाटा यांच्या क्रांतीकारी नेतृत्वाचा उल्लेख केल्याशिवाय पूर्ण होणार नाही. जे व्यवसायाला जगातील एक प्रमुख शक्ती बनवण्यासाठी आवश्यक होते.

रतन टाटा यांनी टाटा समूहाला जागतिक समूहात रुपांतरित करण्यात, भारताच्या आर्थिक विकासाला चालना देण्यात महत्त्वाची भूमिका बजावत आहेत.

टाटा स्टीलने २००७ मध्ये 'कोरस स्टीलची' २.९ अब्ज डॉलर्समध्ये खरेदी ही एक ऐतिहासिक खरेदी होती. टाटा स्टीलची उत्पादन क्षमता आणि जागतिक बाजारपेठेत

मोठी वाढ झाली. टाटा समूहाला विविध उद्योगांमध्ये प्रमुख शक्ती बनवण्याची रतन टाटा यांची इच्छा कोरस स्टीलच्या खरेदीतून स्पष्ट झाली.

रतन टाटा यांनी २००८ मध्ये फोर्डकडून जग्वर लॅंड रोव्हरचे २.३ अब्ज अधिग्रहण हे रतन टाटा यांनी केलेला सर्वात प्रसिद्ध करार होता. २०२१ मध्ये टाटा समूहाने एअर इंडिया ताब्यात घेतली.

टाटा समूह आणि भारतीय विमान वाहतुकीसाठी संपादन हा एक महत्त्वाचा प्रसंग होता. टाटा मोटर्स जोएलआरच्या संपादनाद्वारे अत्याधुनिक डिझाईन आणि उत्पादन तंत्रज्ञानाचा समावेश केला ज्यामुळे कंपनीला भारतीय ऑटोमोटिव्ह क्षेत्रात एक नेता म्हणूनही स्थापित केले.

रतन टाटा यांचा वारसा त्यांच्या कंपनीच्या विकासाच्या आणि आंतरराष्ट्रीय पोहोचपलीकडे आहे. रतन टाटा यांनी त्यांच्या संपूर्ण कारकिर्दीवर भर दिला आहे की कंपन्यांनी केवळ पैसे कमविण्यापेक्षा समाजासाठी अधिक काही केले पाहिजे. त्यांच्या निर्देशानुसार टाटा समूहाच्या कमाईची मोठी रक्कम धर्मादाय कारणांसाठी अनेक ट्रस्टद्वारे वाटप करण्यात आली जे ग्रामीण विकास, आरोग्यसेवा आणि शिक्षण या प्रकल्पांसाठी निधी पुरवतात.

टाटा पॉवरचे पवन आणि सौर प्रकल्प भारताला 'अक्षय ऊर्जा' पातळीचे उद्दिष्ट साध्य करण्यात मदत करतात. नैतिक व्यवसायिक आचरण आणि कॉर्पोरेट सामाजिक जबाबदारी व त्यांच्या वचनबद्धतेमुळे भारतातील कॉर्पोरेट गव्हर्नन्स मानकांच्या विकासावर परिणाम झाला आणि इतर भारतीय व्यवसायांसाठी एक मानक स्थापित केले.

शेवटी रतन टाटा यांच्याशी संबंधित अनेक पैलू दर्शवितात की त्यांनी भारताच्या अर्थव्यवस्था, सामाजिक आणि तंत्रज्ञानाच्या पिढीवर प्रभाव टाकला आहे. यामुळे टाटा समूहाचे नेतृत्व जागतिक कामकाजाची स्थापना आणि नवकल्पना सुधारण्यासाठी औद्योगिक विकास झाला. समाजाला शिक्षित करण्यासाठी त्यांनी परोपकार स्वीकारला.

रतन टाटा यांचा भारतातील वारसा आपल्याला हे दाखवतो की ते एक मजबूत आणि समृद्ध राष्ट्र निर्माण करण्यासाठी कटिबद्ध होते.

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एक उल्का..

(वृत्त: कालगंगा + कादंबरी)

एक उल्का रेघ तेजाची तमावर ओढते
जाळते अंगास का..
गमवते सर्वस्व का..
ना कळे क्षितिजावरी का भाळते अन संपते
एक उल्का रेघ तेजाची तमावर ओढते

सांग उल्के गवसले का क्षितिज कोणाला तरी
सोड वेडा ध्यास हा
क्षितिज ते.. आभास ना?
ऐक तू.. जा परत तू.. वागू नको वेड्यापरी
सांग उल्के गवसले का क्षितिज कोणाला तरी

बोलली तेजार्त उल्का मी कुठे रे संपले
देह नश्वर सत्य ना?
मर्त्य हा भूलोक ना?
देह नाही.. मीच क्षितिजापार आहे चालले
बोलली तेजार्त उल्का मी कुठे रे संपले

नष्ट होणे काय असते.. कोण जाते पलिकडे ?
कोण जगते नेमके ?
काय जगते नेमके ?
प्रश्न सारे भोवती अन उत्तरे क्षितिजाकडे
नष्ट होणे काय असते.. कोण जाते पलिकडे

- डॉ. जितेंद्र पेंढरकर
सहयोगी प्राध्यापक
भौतिकशास्त्र विभाग

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महाराष्ट्र माझा

हृदयी माझ्या वसला हा, महाराष्ट्र माझा,
राज्य महाराष्ट्र माझे, राज्यांचा राजा

तानसा, वैतरणा, गोदावरी अन् कृष्णा,
रायगड, पुरंदर प्रताप, पन्हाळा
काळा कातळ, लाल चिरा, जांभ्या दगडाचा

माझ्या महाराष्ट्रातल्या किल्ल्यांचे कोंदण,
भरलेल्या पाण्याची हिरकणीं धरणं
काही कमी नाही भूमी सुजला सुफला

सह्य-विंध्य लखलखती सूर्य किरणांत,
मेट्रोसंगे चालेल सागरमाला समुद्रात
खेकडे, कोळंबी, बोंबिल, बांगडा ताजा ताजा

आता नको दुष्काळ, पाणी वाचवू सारं,
भाज्या, फळे, धान्याने, भरली शिवारं
पुरणपोळी, बटाटावडा, शिरा, तिखट सांजा

खेळ, कला, व्यापार, तंत्र अन् विज्ञान
शक्ती, युक्ती एकवटूनी उंचावली शान
ऊरात या अभिमान दाटला शिवबाचा

लेकीसूना लई भारी ऐत त्यांची न्यारी
पूत्र गुणवान बहू धाडसी करारी
मुसंस्कारी लोक आम्ही गोड अमुची भाषा

होउनिया एक सारे करु या एल्गार
नेऊ महाराष्ट्र यशाच्या शिखरावर
जय भवानी जय शिवाजी मंत्र सामर्थ्याचा

- सोनाली सतीश तळेकर
रसायन शास्त्र विभाग

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हाडूकू

एक होती बासरी
काढित सूर सात!
वाकून बघितले
काहीच नाही आत

- सोनाली सतीश तळेकर
रसायन शास्त्र विभाग



हिंदी विभाग



किसान के शब्द

देवेन्द्र सिंग

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एक राजा था जो एक बहुत बड़े राज्य का राजा था। उसके जीवन में सभी प्रकार की सुख-सुविधाएँ उपलब्ध थीं परंतु वह अपने जीवन से थोड़ा सा नाखुश रहने लगा था। धीरे-धीरे राजा काफी उदास रहने लगा और यह उदासी इसीलिए थी क्योंकि उस राजा के परिवार के एक सदस्य की मृत्यु हो गई थी। वैसे तो वह एक बहुत अच्छा राजा था, परंतु परेशान रहने के कारण उसने अपनी वैभवशाली जिंदगी को त्याग कर, अपना सारा राजपाट अपने अल्पायु पुत्र के नाम करने के बाद राजगद्दी से सन्यास ले लिया। वह कहीं बहुत दूर एक नदी के किनारे रोज तपस्या करने लगा अपने मन की शांति को प्राप्त करने के लिए। तप करते वक्त भी हमेशा उसके मन में बेचैनी सी रहती। जो मन की शांति की तलाश में वह आया था वह उसे प्राप्त हो ही नहीं रही थी। कुछ दिनों बाद राजा इस बैचेनीसी परेशान भ्रमण कर रहा था। तभी उसे एक किसान दिखा जो शाम को भी अपना कार्य कर रहा था।

वहाँ राजा के राज्य में उसकी प्रजा खुश नहीं थी क्योंकि राजा का पुत्र राज्य को बिल्कुल भी अच्छे ले नहीं चला पा रहा था। सारी जनता बहुत नाखुश थी।

राजा उस किसान के पास जाता है। नदी के आसपास के पेड़ों पर अब फल बचे नहीं थे, तो राजा आज बहुत

भूखा था और शांति न मिल पाने के कारण राजा का चेहरा उतरा हुआ था।

किसान ने राजा को देखकर उसे अपने पास बुला लिया। उसने राजा से उदासी कारण पूछा तो राजा ने भूख बताया। किसान ने राजा को घर में भोजन खाने को कहा जिस पर राजा मान गया। दोनों बैठकर भोजन करने लगे। भोजन करते-करते राजा ने अपनी कहानी किसान को सुनाई जिसपर राजा को किसान ने कहा कि, “सुख और दुख तो मनुष्य के जीवन में लिखा रहता है पर इसके कारण हमें अपने कर्म को भूलना बिल्कुल भी नहीं चाहिए। हमें अपने कर्म को पूरा करना चाहिए लोगों का भला करना चाहिए, आखिर सच्चा सुख और शांति इसी में तो है राजन!” राजा किसान के शब्दों से भावुक हो गया। उसे अपनी गलती का एहसास हुआ और वह अपने राज्य फिर चला गया। उसके आने से प्रजा भी बहुत खुश हुई और अपना कर्म खत्म करने के बाद, प्रजा की सेवा, परिवार का पालन, राजकुमार की शिक्षा के बाद राजा सन्यास लेता है और अंततः उसे शांति प्राप्त होती है।

सीख : जीवन में सुख हो या दुख हमें हमेशा कर्म करते रहना चाहिए।

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किताब

तलत सिद्दीकी

XI

एक शहर में एक पुस्तकालय था। उसमें कोई आता-जाता नहीं था। उस पुस्तकालय की पुस्तकें कई जमानों से बाहर नहीं निकली थी। उसकी पुस्तकालय की अलमारियों में बंद रहती थी।

एक दिन, उन किताबों में से एक किताब ने फैसला लिया की अब दो यह पुस्तकालय से भाग निकलेंगी। उसकी बात सुनकर सभी किताबों ने उसका मजाक उड़ाया। उसने कहा मेरी बात पे हँसो, मत अपनी किस्मत पर हँसो।

कितने जमाने हो गये हमे आसमान देखे, पेड़ देखे अगर अब ही हमने कुछ नहीं किया तो कभी हम कुछ नहीं कर पाएँगे। उसकी बातों से सेहमत हुए किताबे और किताबों को सहमत कराने लगी। कुछ वक्त बाद सारी किताबे मान गए।

सबसे उससे पुछा, “मगर हम भागेंगे कैसे?” उसने कहा, “फिकर मत करो मेरे पास बहुत अच्छी योजना तैय्यार है।” उसने सबही को अपनी योजना बताई। सब परेशान और डरे थे पर मान गए।

वो दिन आ गया जिनका सभी किताबों को इंतजार था। शाम के वक्त पुस्तकालय का मालिक पुस्तकालय खुला छोड़कर टहलने जाता है। उसी वक्त सब किताबें भागनेवाली थी। हर किताब के पीछेवाली किताब ने उसका धक्का दिया और आखरी किताब अपने जोर पे नीचे कूदीं। एक-एक करके सब नीचे आ गईं। फिर उन्होंने दरवाजे की

और जाना शुरु किया और वो लोग सफल रहे। दरवाजे के पार वाली दुनिया देखकर सब का मुँह खुला का खुला रह गया। आसमान में डूबता सुरज और उसमें उड़ते पंछी सब चीजें खुबसुरत थी।

सीख : जब सब साथ हो तो सब कुछ संभव है।



आतंकवाद के बढ़ते कदम

प्राप्ती सुनिलकुमार मिश्रा

XI

आतंकवाद अर्थात किसी वस्तु, स्थल को प्राप्त करने के लिए हिंसा का मार्ग चुनना। आतंकवाद केवल हमारे देश की नहीं बल्कि संपूर्ण विश्व की समस्या बन गई है। देश में आतंकवाद इतना बड़ चुका है की क्या कहना। इससे रोकना अत्यंत जरूरी हो चुका है। उन लोगों के प्राण जाते है जिनकी कोई गलती नहीं। आतंकवाद को बड़ाने वालों को आतंकवादी कहते है।

इसकी नींव है हमारे समाज द्वारा किया गए फैसले। हमारे अंदर एक ऐसी नींव बो दी गई है जहाँ हम कोई भी फैसला उसी सोच से लेते है। जहाँ तक हमारे देश की बात है, हमारे देश को आजाद हुए ७५ वर्ष से अधिक हो चुके है। किंतु हमारी कमजोरी आज तक हमारी ताकत नहीं बन पाई। वो है हमारी जाति। जिस कमजोरी को पकड़कर अंग्रेजों ने हम पर राज किया, किंतु हम आज तक नहीं बदले। जाति के बल पर लोगों का अपमान करना और यही लोग आतंकवाद फैलाते है।

आप सब जानते ही है की हमारे देश में आसाम यह वाला भाग है यहाँ ज्यादा आतंकवाद होता है। इन राज्यों पर ध्यान नहीं दिया जाता और यहाँ के लोगों का अपमान होता है। आतंकवाद शुरु होने के कारण है कम पढ़े-लिखे लोग आपसी दुश्मनी इत्यादी। आतंकवाद से कुछ प्राप्त नहीं होता। अब यही समस्या केवल देश तक नहीं रह गई बल्कि विश्व तक पहुँच गई है। देशों की लड़ाई, यह लोग

दुसरे देशों पर बम गिराते है। ऐसा ही एक आतंकवाद है हमारे और दुसरे राज्यों में।

मासूमो की जान जाना, एक अच्छे राज्य का नुकसान होना। जब यह आतंकवादी की लड़ाई सरकार से होती है किंतु बलि लोगों की चढ़ती है। इससे सरकारी नौकरीवालों को कोई फरक नहीं पड़ता किंतु आम आदमी की जिंदगी बरबाद हो जाती है। यह लड़ाई असामान्यता के कारण होती है। जब सरकार कोई भी फैसला लेते है कुछ लोगों के लिए बहुत अच्छे होते है किंतु कुछ के लिए बहुत बुरे।

आतंकवाद को रोकने के लिए सरकार, समाज और प्रत्येक नागरिक को अपने-अपने स्तर पर प्रयास करना चाहिए। सरकार बहुत प्रयत्न कर रही है किंतु लोगों का भी यह काम यदी उन्हें सरकार के कोई भी फैसले से आपत्ती हो तो बिना हिंसा के सरकार से बात करे।

आतंकवाद बढ़ रहा है,
लोगों का भय लड़ रहा है,
सरकारी कर्मचारी सो रहे है,
आतंकवादी लोगों सुला रहे है।

उठो सरकार और ऐसी गोली चलाओ,
इन आतंकवादीओं को रुलाओ।
हमारे देश में फिर एक बार छाए शांति,
खत्म करो इनकी क्रांति।



आतंकवाद के बढ़ते कदम

स्नेहा महेन्द्र सिंग

XI

भारत देश एक शांतिप्रिय देश है। यहाँ का नारा है जियो और जीने दो। यहाँ बापू के वचनों को मानते हैं। लेकिन कुछ सालों से पंजाब और कश्मीर में भयावह दृश्य देखने मिला है। यहाँ आतंकी गतिविधि बहुत सुनाई पड़ रही है। आतंकवाद जो अपनी जड़े हर देश में फैला चुका है। चाहे वो भारत, अमेरिका, रूस कोई भी हो लेकिन सारे देश आतंकवाद से जूझ रहे हैं। ये आतंकवाद बंगलादेश के नक्सवादियों से शुरू हुआ। अब इसकी जड़ें धीरे-धीरे भारत में आ रही हैं। जम्मू कश्मीर में हुए एक आतंकी हमले में हमारे १९ जवान शहीद हो गए यह तब हुआ जब सैनिक उरी में अपने कैम्प में आराम कर रहे थे।

छुपकर आकर उन्होंने हमपर हमला किया। ऐसा एक बार नहीं कई बार हुआ था। देश में अलग जंग छिड़ी थी। जब पंजाब बना तब उन्हें एक अलग देश चाहिए था। जिसका नाम खलिस्थान हो। इस वजय से अलग दंगे-फसाद हुए। कश्मीर आतंकी हमलो से ज्यादा परेशान रहता है। वहाँ जब ४४ राष्ट्रीय रायफल के सैनिक निगरानी के लिए निकलते तो वहाँ के लोग उनपर पत्थर से अटॉक करते, आतंकवादी के बातों में आकर। ४४ राष्ट्रीय रायफल के जवानों ने ठान लिया था कि वे इस बार आतंकवादी अल्ताफ बाबा को मार गिराएंगे। जब लातो के भूत बातों से न माने तो तो कदम हमे उठाना पड़ता है। आखिर ये श्री कृष्ण की धरती, भगवान श्री कृष्ण ने कहा था, “जब

अन्याय बढ़ जाए तो धर्म और न्याय बचाने के लिए शस्त्र उठाने पड़ते हैं। जब कश्मीर में हमारे १९ जवान शहीद हुए तब उनके इस हमले के १० दिनों में ही हम उन आतंकवादी के घर में घुसकर उनके ४० लोगों को मार गिराए, इस मिशन का नाम था, उसी सर्जिकल स्ट्राइक। ईट का जवाब पत्थर से देना भारतवासियों को आता है। आतंकवाद को रोकने के लिए हमें यह कदम उठाना ही पड़ेगा। मुंबई में हुए एक आतंकी हमले में कितने अन्य निर्दोष लोग मारे गए। यह हमला मुंबई मशहूर हॉटेल ताज में हुआ था, फिर वे लोग रेलवे स्टेशन पर पहुँचे वहाँ हमला किया, फिर एक अस्पताल में।

ऐसे करते-करते उन आतंकवादीयोंने बहुत आतंक फैलाया। पूरा मुंबई उस हादसों को अब तक नहीं भुला पाया है। रात तक वहाँ की पुलिसने बचे दो आतंकवादी को पकड़ा जिसमें से सिर्फ एक जिंदा पकड़ा गया वो कसाब था। आखिर कब तक यह आतंक चलता रहेगा जब तक कड़ी से कड़ी कानून नहीं लागू किया जाएगा तब तक यह आतंकवाद थमेगा नहीं। इसलिए इसे रोकने के लिए कई देशों ने अपने बॉर्डर की सेफ्टी के लिए जवानों की फौज खड़ी कर दी है। आतंकवाद से सिर्फ कठनाई बढ़ती है। किसी भी देश का भला नहीं होता है। यह रुकना ही चाहिए। अगर नहीं हुआ तो रोकना आना चाहिए।

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स्वाहिश....

हर उम्र की एक स्वाहिश होती है...
आसमान में उड़ने की फरमाइश होती है...
बहुत नाजुक होते हैं मिट्टी के खिलोने...
आग में डालने पर टूट जाने की गुंजाईश होती है...
सह कर हर दर्द को, जो निकलता है पक कर...
उसी की भरे समाज में बिकने की नुमाइश होती है...
फिर तो बस मिट्टी के लिए पैसों की बारिश होती है...
यू तो बेमौसम बारिश भी खुदा की एक साज़िश होती है...
परिदे हवा में उड़ते-उड़ते जल न जाएं, किन्हीं अपनों की ही रोशनीमें...
इसीलिये तो ये बारिश उनके रुक जाने की सिफ़ारिश होती है...
हम ज़मीन पर ही काबू हो के चल ले, खुदा की हमसे बस यहीं एक गुज़ारिश होती है...

दीपक कुमार मौर्या

माँ

माँ, कहने को है सिर्फ एक अक्षर परंतु अर्थ
उसका है बड़ा ही प्यारा...
माँ का हर रूप है सबसे न्यारा,
सबसे न्यारा...।

गुस्से में हम है उसपे चिल्लाते...
अपने शब्दों से उसका मन है दुखाते...
फिर भी हमे चोट लगने पर आसू उसके
आँखों में है आते...।
जिसने हँसना सिखाया हमें
उसे अक्सर हम है रुलाते...।
क्यूँ झुकता नहीं हमारा सिर कभी उसके सामने,
जिसके हाथ सिर्फ हमारे दुआ के लिए ही है जुड़ते...।
अपने बच्चों का पेट भरनेवाली वह माँ अन्नपूर्णा है...।
अपने बच्चों का स्वास्थ्य संभालनेवाली
वह माँ लक्ष्मी हैं...।
अपने बच्चों को हिम्मत देनेवाली वह माँ दुर्गा है...।
अपने बच्चों को ज्ञान देनेवाली वह माँ सरस्वती है...।
अपने बच्चों को बुराई के खिलाफ लड़ना
सिखानेवाली वह माँ काली हैं...।
सिर्फ अपने बच्चों की नहीं बल्की संपूर्ण
वंश की जननी वह साक्षात माँ पार्वती है...।
जननी तीनों लोगों की बनके निसंतान वह,
देती है सीख हमें की,
“माँ होती नहीं हैं बच्चों से,
बल्की माँ होती है ममता से...।”
हमेशा करियें अपने माँ का सम्मान,
क्योंकी माँ का हर रूप है महान,
हर रूप हैं महान...।

संस्कृती सचिन मूळे

XI

माँ

घूटनों से रेगते - रेगते
कब पैरो पर खड़ा हुआ
तेरी ममता की छाँव में
ना जाने कब बड़ा हुआ
काला टीका दूध मलाई
आज भी संब कुछ जैसा है
एक मै हो हूँ हर नगह
प्यार ये तेरा कैसा है?

सीधा - साधा, भोला भाला
मै ही सबसे अच्छा हूँ
कितना भी हो जाऊँ बड़ा माँ
मै आज भी तेरा बच्चा हूँ।

कैसा था तन्हा बचपन वो
माँ की गोंद सुहानी थी
देख जरा सी बच्चों को वो
फूली नहीं समानी थी।

जरा सी ठोकर लग जाती तो
माँ दौड़ी हुई आती थी
जख्मों पर जब दवा लगाती
आँसू अपने छुपाती थी।
जब भी कोई जिद करते तो
प्यार से वो समझाती थी।

जब जब बच्चे रुठे इससे, माँ उन्हें मनाती थी।
खेल खेलते जब भी कोई
वो भी बच्चा बन जाती थी।
सवाल अगर कोई न आता
टीचर बन के पढ़ाती थी।

सबसे आगे रहे हमेशा,
आस सदा ही लगाती थी
तारिफ अगर कोई भी करता
गर्व से वो इतराती थी।
होते अगर जरा उदास हम
दोस्त तुरंत बन जाती थी,
हँसते रोते बीता बचपन
माँ ही तो बस साथी थी।

माँ के मन को समझ न पाये
हम बच्चों की नादानी थी,
जीती थी बच्चों के खातिर
माँ की यही कहानी थी।

वैष्णवी गुप्ता

XII



ગુજરાતી વિભાગ



મારા ગમતા ક્રાંતિકારી : તેમનું બલિદાન

નેહાશ્રી મહેશ સંઘવી

૧૧ બી

આપણા દેશમાં ઘણા સ્વાતંત્ર્ય સેનાનીઓ અને મહાન વ્યક્તિત્વો છે, જેમણે ઘણી વસ્તુઓનું બલિદાન આપ્યું અને કેટલાકે આપણા ‘ભારત’ની આઝાદી માટે પોતાનું બલિદાન પણ આપ્યું છે. પરંતુ મારા પ્રિય સ્વાતંત્ર્ય સેનાની મહાત્મા ગાંધી છે.

મહાત્મા ગાંધીનું પુરુ નામ મોહનદાસ કરમચંદ ગાંધી, જેને સામાન્ય રીતે બાપુ તરીકે ઓળખવામાં આવે છે, તે એક વકીલ, રાષ્ટ્રવાદી અને રાજકીય નીતિશાસ્ત્રી હતા, જેમણે બ્રિટિશ શાસનથી ભારતની સ્વતંત્રતાની સફળ ઝુંબેશનું નેતૃત્વ કરવા માટે અહિંસક પ્રતિકારનો ઉપયોગ કર્યો હતો.

મહાત્મા ગાંધીએ આપણા દેશ માટે અનેક બલિદાન આપ્યા છે. જ્યારે તેઓ કાયદાનો અભ્યાસ પૂરો કરીને ભારત પાછા આવ્યા, ત્યારે ટૂંકા સમયમાં જ ખેડૂતો અને શહેરી મજૂરોને સંગઠિત કરવા માટે જમીન-કર અને ભેદભાવ સામે વિરોધ કરવાનું શરૂ કર્યું. કોંગ્રેસનું નેતૃત્વ સંભાળીને, ગાંધીએ ગરીબી હળવી કરવા, મહિલાઓના અધિકારોનો વિસ્તાર કરવા. અને ધાર્મિક અને વંશીય સૌહાર્દ બનાવવા માટે

રાષ્ટ્રવ્યાપી ઝુંબેશનું નેતૃત્વ કર્યું. મહાત્મા ગાંધીએ જેટલા પણ પદ સાંભાળ્યા, તેમાં તેમણે ગરીબ કિસાન, વૃદ્ધો અને મહિલાઓનું ઘણું ધ્યાન રાખ્યું છે. ફક્ત આજ નહીં, મહાત્મા ગાંધીએ બ્રિટિશ દ્વારા મીઠા પર લાદવામાં આવેલા ભારે કરના વિરોધમાં ગુજરાતના અમદાવાદમાં સાબરમતી આશ્રમથી રાજ્યના દરિયાકાંઠાના વિસ્તારના દાંડી ગામ સુધી ઐતિહાસિક (સોલ્ટ માર્ચ) સત્યાગ્રહની શરૂઆત કરી હતી.

મહાત્મા ગાંધી મહાન, નમ્ર અને દયાળું વ્યક્તિત્વ ધરાવતા વ્યક્તિ હતા. તેમણે ખરેખર ભારતની આઝાદી માટે મહત્વપૂર્ણ ભૂમિકા ભજવી છે. ૨ ઓક્ટોબરના રોજ મહાત્મા ગાંધીજીનો જન્મદિવસ પણ ભારતમાં ગાંધી જયંતિ, રાષ્ટ્રીય રજા તરીકે અને વિશ્વભરમાં આંતરરાષ્ટ્રીય અહિંસા દિવસ તરીકે ઉજવવામાં આવે છે. આપણે શ્રી મોહનદાસ કરમચંદ ગાંધીને વંદન કરવું જોઈએ. આપણે ખૂબ નસીબદાર છીએ કે આપણે આ ભૂમિમાં જન્મ લીધો, જ્યાં અનેક મહાન વ્યક્તિત્વોએ જન્મ લીધો, ખાસ કરીને આપણા ગાંધી બાપુ.

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પ્રાર્થનાનું મહત્ત્વ

ક્રિષ્ના રાઠોડ

૧૧ બી

“પ્રાર્થના એ આત્માનો ખોરાક છે” આ વાક્ય જ આપણને પ્રાર્થનાનું મહત્ત્વ નિબંધનું આખું હાર્દ સમજાવે ભય છે. જે રીતે અનાજ, શાકભાજી, ફળો અને પાણી એ આપણા શરીરનો ખોરાક છે. તેવી જ રીતે પ્રાર્થના એ આત્માના સંચાલન માટે ખોરાક સ્વરૂપે કામ કરે છે.

હૃદય અને મન સ્વસ્થ અને નિર્મળ રાખવા માટે પ્રાર્થના જરૂરી છે. પ્રાર્થના આપણામાં ઈશ્વરીય શક્તિનો અનુભવ કરાવે છે. પ્રાર્થના કર્યા પછી આપણને આપણી તમામ જવાબદારીઓ અને સમસ્યાઓ ઈશ્વરને સોંપી દીધી હોય તેવો અહેસાસ થાય છે. દરેક ધર્મના લોકો

પોતપોતાના ધર્મના રીત-રીવાજો મુજબ પ્રાર્થના કરે છે, સામાન્ય રીતે સવારના સમયે પ્રાર્થના કરવી વધુ ફૂળદાયી માનવામાં આવે છે.

પ્રાર્થના એક એવી ધાર્મિક ક્રિયા છે જે મનુષ્યને બ્રહ્માંડની મહાન શક્તિ સાથે જોડે છે. પ્રાર્થના વ્યક્તિગત અથવા સામુહિક રીતે પણ કરવામાં આવી શકે છે. અથવા તો મૌન રહીને પણ પ્રાર્થના કરી શકાય છે. પ્રાર્થનામાં ભલે આપણે કશું માગીએ કે ન માગીએ, ભગવાનની સંતભાવના અને ભગવાનમાં આશ રાખવું વધારે મહત્ત્વનું છે. સમૂહમાં કરેલી પ્રાર્થના દ્વારા તેમાં ભળનારાઓમાં એક જાતની આત્મીયતા અને આત્મા

પરાયણતા પેદા થઈ જાય છે. સમાજ એક રીતે પડેલો હોય, હારેલો હોય અને છિન્ન ભિન્ન થયેલો હોય તો પણ તેમાં નવચૈતન્ય પેદા કરવા માટે પ્રાર્થના સમર્થ છે.

પ્રાર્થના એ માણસ જાતની છેલ્લી મૂડી છે. બાકી કશું ન રહ્યું હોય તો પણ પ્રાર્થના આપણને ધીરજ અને નવી આશા આપી શકે છે. પ્રાર્થનાની ટેપ હોય તો કઠણ પ્રસંગે અચૂક એનું જ શરણ લેવાનું સુઝે છે અને જેમ સમુદ્રમાં ઊભા રહેલા માણસ માટે રબરનાં ફંડા કે પછી રબર જેકેટ કામ આવે છે, તેવી જ રીતે પ્રાર્થના કામ આવે છે.

આપણી ભારતીય સંસ્કૃતિ અનુસાર, આપણે કોઈપણ શુભ કામની શરૂઆત પ્રાર્થનાથી જ કરીએ છીએ - ખરા હૃદયથી કરેલી પ્રાર્થના મનની અશાંતિને દુર કરે છે અને કોઈ પણ વિષમ પરિસ્થિતિનો સામનો કરવાની શક્તિ આપે છે. પ્રાર્થના કરવાથી અહમ, ઈગો દુર થાય છે, જેના કારણે આપણે પોતાની મુલ્યો શોધી શકીએ છીએ.

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‘નારી તુ નારાયણી’

પુશ ભદ્રેશ્વરા

૧૧ બી

જે કર ઝુલાવે પારણું, તે જગત પર શાસન કરે.

જગતના મહાપુરુષોને જન્મ આપનારી નારી સાક્ષાત્ નારાયણી છે. માનવજાત ચરનું તેનું શ્રદ્ધા ઘણું મોટું છે. આપણાં શાસ્ત્રોમાં કહેવામાં આવ્યું છે કે.

યત્ર નાર્યસ્તુ પૂજયન્તે, રમન્તે તત્ર દેવતાઃ

અર્થાત્ જયાં નારીઓ પૂજાય છે, ત્યાં દેવતાઓ વાસ કરે છે.

આપણા ઇતિહાસમાં ઘણી અમર નારીયાત્રાઓ જોવા મળે છે. પ્રતિવ્રતા સતી સીતા પતિના સુખમાં સુખી અને પતિના દુઃખમાં દુઃખી રહેતી. પતિ માટે તેણે રાજમહેલનો વૈભવને છોડી દિગંત માર્ગ અપનાવ્યો હતો. લક્ષ્મણની પત્ની ઊર્મિલાને ત્યાગ પણ નાનો નથી. ઊર્મિલાએ ભાઈની સેવામાં જાય ત્યારે પોતાના પતિ લક્ષ્મણને હસતા મોઢે વિદાય આપી અને ચૌદ વર્ષનો વિયોગ સહન કર્યો, તેમજ સાસુઓની સેવા કરી. સતી અનસૂયાએ પોતાના સતીત્વના પ્રતાયે બ્રહ્મા, વિષ્ણુ અને મહેશને બાળકો બનાવ્યા. સતી સાવિત્રીએ પોતાના પતિવ્રતા ધર્મના બળ વડે પોતાના મૃત પતિ સત્યવાનને પુનર્જીવિત કર્યો. રાણી લક્ષ્મીબાઈએ પોતાના રાજ્યાની રક્ષા માટે નિડરતાથી અંગ્રેજોનો સામનો કર્યો. વિદુષી ગાર્ગી, ચાંદબીબી અહલ્યાબાઈ, ગંગાસતી, મીરાબાઈ વગરે ભારતના અમર નારીરત્નો છે.

“નારી નરકની આણ છે” એક કહેવત એક વર્ગમાં પ્રસિદ્ધ હતી. તેના પરિણામે, આજથી પહેલાં નારીનું સ્થાન રસોડામાં અને ઘરની ચાર દીવાલો વચ્ચે જ હતું. તેઓને કોઈ સ્વતંત્રતા પ્રાપ્ત ન હતી. તેને ઘરમાજ રેહવું પડતું. “દિકરીને ગાય દોરે ત્યાં જાય” એ કહેવત પ્રમાણે દીકરીને પોતાનો જીવનસાથી પસંદ કરવાની સ્વતંત્રતા ન હતી. આ બાબત તે સમયના સમાજ માટે શોભાસ્પદ ન હતી. સ્ત્રીઓ પ્રત્યેની એમની અદામ્ય ઉપેક્ષાવૃત્તિના કારણે આપણો દેશ કન્યાકેળવાલીમાં પછાત રહી ગયો હતો.

કેટલીક ક્ષણો પશ્ચિમના રંગે રંગાઈને સ્વરછંદી બની જાય છે. તે પોતાના અધિકારો મેળવવાની ઘેલછામાં પોતાની ફરજ ચુકી જાય છે. તે કુટુંબના વડીલોનો અનાદર કરે છે. તે વડીલો પ્રત્યે વિવેક, સભ્યર્થ અને માનમર્યાદા જાળવતી નથી. ઘણી ચીજવસ્તુઓની જાહેરાતોમાં સ્ત્રીઓનાં અસ્વીલ ચિત્રો જોવા મળે છે. સ્ત્રી જાગૃતિથી સંબંધિત સંસ્થાઓ સ્ત્રીને પ્રદર્શનની ચીજ તરીકે ગણાવતા સામે અવાજ ઉઠાવવો જોઈએ.

નારીએ નરકની ખાણ થવું છે કે નારાયણી થવું છે, તે તો દરેક સ્ત્રીએ પાતે જ નક્કી કરવાનું છે નારી નારાયણી થાય અને સૌની પૂજનીય બની રહે, એવી આપણે અભિલાષા રાખીએ.

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Department Reports



Department of Biochemistry

Events from Department of Biochemistry 2024-2025

Overall Student Development refers to the holistic growth of students beyond just academics. It includes intellectual, emotional, social, physical, and ethical aspects that prepare students for success in life. With respect to this, Department of Biochemistry conducted the following events for students and encouraged them to participate.

1. Seminar(Alumni talk) on “Career opportunities in Biochemistry” was conducted on 7th August 2024.

Dr. Yogikala Prabhu was the resource person. She provided insights into diverse career paths, including academic research, clinical laboratories, biotechnology, and pharmaceuticals. She also discussed emerging fields such as bioinformatics, molecular biology, and synthetic biology. She emphasized on the importance of laboratory skills, analytical thinking, and interdisciplinary knowledge for career success.

Beneficiaries : 43 students

2. Workshop on “Yoga and Meditation” by Ms. Rita Dhame on 20th September 2024.

The primary goal of the workshop was to introduce the participants to the fundamentals of yoga and meditation and help them incorporate these practices into their daily lives. The session focused on stress management, improving concentration, and enhancing overall well-being. The workshop was divided into two segments. The first segment focused on yoga, where Ms. Rita Dhame demonstrated various asanas and emphasized their benefits in improving flexibility, posture, and strength. Participants actively engaged in practicing these poses under her guidance. The second segment centered on meditation techniques, including mindfulness meditation and guided breathing exercises.

Beneficiaries : 18 students

3. Seminar on “Mind healing techniques” on 24th September 2024 by Ms.Simran Gangwani.

This event was aimed to introduce students and teachers about mind healing techniques. Speaker explained various mental healing techniques and elaborated on the changes needed to tackle stress. She talked about positive affirmations, music therapy, goal setting etc. Overall the session was very useful for the students and teachers.

Beneficiaries: 61 students and 7 teachers

4. Webinar on “Massage therapy” on 27th September 2024 by Dr. Madhuri Mungekar.

This event was aimed to introduce students about advantages of Massage therapy. Ayurvedic massage therapy, known as Abhyanga, is an ancient healing practice rooted in the principles of Ayurveda, the traditional Indian system of medicine. This therapy involves the use of warm, medicated oils infused with herbs to nourish the body, relax the mind, and promote overall well-being. She explained that massage therapy is a powerful healing practice that promotes physical, mental, and emotional well-being. It helps relax muscles, improve blood circulation, and reduce stress, making it an essential part of holistic health care. Information on different types of massage and its importance was explained properly. Healing properties of different massage techniques was explained. Overall the session was very useful for the students and teachers

Beneficiaries : 40 students and 5 teachers

5. Health Fair 2024- Departmental annual event on 13th December 2024.

This online event aimed at the interaction amongst the students (schools and colleges) and common public to spread health and nutritional awareness amongst the masses, especially amongst the youth. On this occasion, the following events were organized –Poster competition (UG and PG), Logo designing, Nutritional Bawarchee, Biojingle and Healthy bytes. We got a good

response from the participants. This year also some of our own alumni judged all the events. With the help of volunteers and teachers the entire event was systematically carried out.

Beneficiaries : 100 students

6. Nutritional awareness Program conducted between 1st December to 17th December 2024.

A nutritional awareness program was conducted to educate individuals about their dietary habits and the impact of commonly consumed food items on health. Students visited various households and explained people about correct nutrition. Consumers were encouraged to be mindful of their dietary needs. The awareness program successfully educated participants on making informed food choices, understanding food labels, and maintaining a balanced and nutritious diet for long-term health benefits.

Beneficiaries : 47 students

7. Swasthya Mahotsav conducted on 11th December 2024.

Two online talks were conducted titled "Nutrition for internal well-being" by Dr. Dhanashree Kale and "Bite into better dental care" by Dr. Arpit Siroya respectively. Students learned about the nutrition and oral health. Students learned about adopting healthier eating habits and proper dental care. Participants gained knowledge on disease prevention, mindful eating, and oral hygiene, leading to improved overall well-being and a proactive approach to long-term health management.

8. Nukkad natak conducted on 16th December 2024.

The Department of Biochemistry organized a Nukkad Natak to raise awareness about the ingredients added and labelled on packaged foods that we consume daily. The event aimed to educate the audience about the importance of reading food labels and understanding the impact of various additives, preservatives, and hidden chemicals on health. The performance began with a lively introduction, drawing the audience's attention to the widespread consumption of packaged foods and the ignorance surrounding their ingredients. The students skillfully portrayed how marketing tactics and misleading labels often influence consumer choices, leading to unhealthy dietary habits. Through engaging dialogues, humour, and real-life scenarios, the play highlighted the dangers of excessive preservatives, artificial flavors, added sugars, and trans fats found in many food products.

Beneficiaries : Students present during the event

9. National Science day celebration by conducting poster presentation on 28th February 2025.

The poster presentation on National Science Day aims to showcase research, foster scientific curiosity, and promote collaboration. It encourages innovation and honors scientific inquiry in advancing biochemistry and its applications. Students prepared the posters on the various topics assigned and successfully presented them. The event was judged by Dr. Uma Shinde, Ex-Professor, The Hinduhradaysamrat Balasaheb Thackeray Medical College and Cooper Hospital. **54 students** presented their posters.

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Department of Botany

The following activities were organized by the department during the year 2024-2025.

- A one-day paper and cloth bag making workshop was organized for TYBSc students on 1st August 2024. Dr. Meena Patankar guided the students to make paper and cloth bags. The workshop aimed to encourage participants to adopt sustainable practices in their daily lives by reducing plastic bags and promoting the use of ecofriendly alternatives. 10 students attended the workshop.
- A workshop on Research Based Projects was conducted on 6th August 2024 by the Department of Botany. Dr. Jitendra Pendharkar was invited as a resource person. Students were guided to design the research projects. Dr. Pendharkar sensitized the students for planning SMART target. He guided the students to select the research topic based on curriculum. Students presented their research ideas using PowerPoint presentation after 2 weeks. Students were instructed to include methodology and cost parameter in the project. Students were instructed to follow Innovation and creativity as basic principles while designing the research project. Students UG : 38 Students PG : 5 participated in the workshop.
- Department of Botany organized food festival on 14th August 2024. The theme for the food fest was “**Supercharge your day with superfoods**”. The objective of this fest was to create awareness about the nutritional benefits of superfoods and incorporate superfoods into their daily meals, for health and wellness. Ragi brownie, millet nankkhattai, Nutmeg shots, Pumpkin appam, Mangalorean soya curry and rice etc as innovative dishes were prepared by the students. Students and many faculty members visited the food stalls and enjoyed the food dishes. Students were encouraged by such creative activity. 30 students participated in the fest.
- To commemorate International Day of the World’s Indigenous Peoples on 9th August 2024 an exhibition of some less familiar vegetables used by tribals and a Warli Painting workshop was organized on 14th August 2024 from 10:30 AM to 3.00 PM in the Department of Botany, K J Somaiya College of Science and Commerce, Vidyavihar, Mumbai, Maharashtra, India. The students collated the information about the culture and vegetables used by indigenous communities from all over the world and presented it in the form of posters. Students and faculties who visited the exhibition got an opportunity to get an overview of the indigenous people of the world. Students PG : 07 UG - 35 participated in this celebration.
- On Saturday, 17th August, 2024 visit to Jijamata Udyan, and Ratanshi Nursery, Byculla was organized for S.Y.B.Sc. and T.Y.B.Sc students. Dr. Meena Patankar and Ms. Jayani Nagaria accompanied 26 students for the same. Different garden locations, ornamentals, medicinal plants and cacti plants were shown to them. The students got an opportunity to see very old trees like *Adansonia digitata* with huge tree trunks. Trees were labelled with their latin, common names and uses. Students noted down these information. This was followed by visit to Ratanshi Nursery where students got a glimpse of the Indoor and Outdoor plants.
- The Department of Botany had organized workshop on Microgreens on 2nd September 2024 in the botany laboratory. The workshop began with an introduction by Mr. Amit Amembal, who provided an overview of the growing trend of microgreens and their importance in sustainable agriculture and urban gardening. He explained microgreens, highlighting their

distinction from sprouts and baby greens. The nutritional benefits of consuming microgreens, such as high levels of vitamins, minerals, and antioxidants, were discussed. In the hands-on session, participants were provided with trays, seeds, and growing mediums to plant their own microgreens. The resource person guided them step-by-step through the process of preparing the trays, sowing seeds, and maintaining them for growth. Students UG : 71 Students PG : 5 Teaching : 5 benefitted from the workshop.

- The workshop on Natural Terrace Farming was organized by the Department of Botany on 4th September 24, to provide hands-on experience and theoretical knowledge about sustainable and eco-friendly farming methods. The resource person Mrs. Monica Deshmukh, who herself practices sustainable agriculture gave insights about the importance of terrace farming in combating soil erosion and its role in food security. This was followed by a hands-on session where participants were demonstrated the basics of terrace plot bed preparation, including measurements, gradient determination, and water channeling systems. Practical demonstrations were conducted on-site. This session covered soil conservation techniques, composting, and the role of organic matter in maintaining soil fertility. Participants also learnt how to use natural pest repellents and organic fertilizers. The workshop included an open Q & A session where students discussed their concerns and received guidance from the resource person.
- Intercollegiate Festival “Vruksham-24-25” was organized on 14th December 2024 by the department of Botany, K J Somaiya College of Science and Commerce. Vruksham Fest initiative at Department of Botany has provided a platform for students to showcase their talent. This year the theme for Vruksham-24-25 was “Forests – One

forest endless opportunities”. Taking into view and considering the theme students of MSc, TY, SY and FY volunteered and participated in the events and also exhibited various forest products. Events such as Botanica battle (Quiz) Phyto hunt (treasure hunt) Totally Glass tastics (glass painting) Forest fusion (food plating event and pre-event digital poster were organized. Each of these events had several levels of elimination and winners were declared right after each event. Session was concluded by congratulating all the team members for their efficient contribution and making the fest successful.

- The industry visit for SYBSc, TYBSc and MSc (I) Botany was organized to K. F. Bioplants and Vasantdada Sugar Institute, Manjri Pune on 20th January 2025. The objective of the visit was to gain insights into plant tissue culture and other biotechnological techniques and to explore career opportunities. The students got valuable insights into modern agricultural practices and the importance of floriculture in the economy. This visit had been an enriching experience to the students. 41 students were accompanied by 03 teachers.
- The visit for FYBSc Botany students was organized at Friends of Trees Exhibition, Ruparel college, Matunga on 8th February 2025. 31 students were accompanied by 2 faculty members. The visit to the exhibition was an educational and enriching experience for the students. During the visit, students observed a wide display of flowers, fruits and vegetables including native, hybrid and exotic varieties.
- Department of Botany had participated in the exhibition, **Plants , Flowers and Medicinal Plants Show-2023 organized by N ward of BMC on 15th and 16th February 2025** at Dr. Chintamanrao Deshmukh Udyan, Mahatma Phule Marg ,Mulund East. Potted air purifying indoor plants and medicinal plants along with their

information were displayed in the exhibition. Student volunteers interacted with visitors of different age groups and encouraged them to grow plants and to propagate and maintain them at home. People from NGO's and other organizations also visited the exhibition.

- Department of Life Science, Somaiya Vidyavihar University and Department of Botany, K J Somaiya College of Science & Commerce organized a One Day Workshop on “**High Tech Protected Growing and Horticulture Technologies**” on 17th February 2025 Room No. 201, Chanakya Building, Somaiya Vidyavihar. 107 students and faculties participated in the workshop. Dr. Anil Patil. Technical and Financial consultant-Horticulture. Bangalore and Mr. Rajendra Kumar. Marketing In-Charge, South & East Asia, Cravo Technologies, Ontario, Canada were the resource persons for the workshop. They gave insights into Project Viability, funding, and suitable crops, and discussed the potential for starting a high-tech agriculture school. Various agricultural techniques and technologies were discussed, including vertical farming, hydroponics, automation in farming.

The advantages of retractable polyhouses (Cravo) over traditional closed polyhouses for crop cultivation were emphasized. The importance of market placement, organic farming, and reducing breeders' production time were also highlighted.

- A one-day visit to Bhau Sule Arkshala was organized for the students of SYBSc on 18th February 2025. Two teaching staff accompanied them. The visit to the Ayurvedic medicine manufacturing industry was highly informative and beneficial for students. It provided a deeper understanding of large-scale production of Ayurvedic medicines while maintaining traditional principles. They gained practical knowledge of the production process, from sourcing raw materials to the final product. The exposure to tablet manufacturing, hair lotion processing, and quality control laboratory enhanced their understanding of Ayurvedic pharmaceutical techniques. Students observed the final steps of medicine production, where products are packed with proper labeling, including ingredient lists, manufacturing details, and expiry dates.



Department of Chemistry

1. Seminar on “Principles of Green Chemistry” was conducted by Mr. Nitesh H. Mehta, Co-founder and Director of Newreka Green Synth Technologies on 22th June 2024 and 28th June 2024. He discussed various case studies related to 12 principles of green chemistry. This seminar was organised by the department of chemistry as a part of Green chemistry commitment signed with Green Chemistree foundation and benefitted by 104 students.
2. Workshop on “Safety in chemical laboratories was conducted by the department of chemistry on 23rd July 2024 for FYBSc Chemistry students for educating personnel on hazards, promoting safe practices, and fostering a culture of safety, ultimately minimizing risks and protecting individuals and the environment. 57 FYBSc chemistry students participated in the workshop.
3. Alumni Reunion was organised by the department of chemistry on 10th August 2024 to foster connections among former students, strengthen their bond with the institution, and provide a platform for networking, knowledge sharing, and collaboration.

4. Session on “Chemistry for 21st Century: Innovations, Impact and Challenges” was organised by the department of chemistry on 20th August 2024. Prof. A. K. Tyagi, the chief guest from Mumbai’s Homi Bhabha National Institute clarified issues on the Paris Agreement, sustainable development goals, India’s commitment to net zero carbon emissions, and the unbalanced carbon cycle.
5. A talk on Introduction to Patents and Patent Search was delivered by Dr Rikhil Shah (Alumnus of Chemistry Department), for the lecture series - Enriching expressions. The talk was organised by the Alumni association in association with the department of chemistry on Saturday, 24th August 2024. 46 MSc Chemistry students participated in the event.
6. Guest lecture on “CAS SciFinder” was organised by the department of chemistry in association with the Research promotion committee on 26th August 2024 to explore various features of scifinder. Mr. Milind Wagh Principal Account Manager-Scientific Solutions ACS International India Pvt Ltd, provided participants with comprehensive knowledge of the SciFinder tool.
7. To educate and raise awareness about the dangers of drug abuse and its impact on individuals and society, the Department of chemistry in association with the Mulya Pravah committee organized a Guest lecture on “Step towards a drug free life for the students” on 2nd September 2024. Mrs. Kushbu Gadiya, Entrepreneur, COO Intuit Learning Centre, discussed potential legal consequences and the devastating impact that drug abuse can have on social relationships. 78 students benefited from the event.
8. A Guest Lecture on “Mental Health Literacy” was organized for the faculty of the department of chemistry on 15th October 2024. Mrs. Kushbu Gadiya, Entrepreneur and COO, Intuit Learning Centre, explained Why one should prioritize his or her mental health. 19 faculty members participated in the event.
9. A one-day instrumentation workshop was organized in the Jai Hind College on 22nd October 2024. Total 42 M Sc part I students along with two faculty members Dr Yogesh Ghalsasi and Ms. Manasi Mhaske from the chemistry department attended the workshop.
10. The SYBSc Chemistry students with Environmental Monitoring (VSC) as a major subject visited Envirocare Labs, Thane, on 28th October 2024. The visit aimed to provide practical insights into environmental monitoring and food testing, bridging the gap between academic studies and industrial applications.
11. Seminar on “Introduction and Overview to computer aided drug discovery techniques” for UG and PG students was organized by the Department of Chemistry on 28th October 2024. Ms. Sruthi Sudhakar Institute postdoctoral fellow at IIT Bombay introduced CADD-computer aided drug design.
12. The TYBSc and MSc Part II Chemistry students with visited Amulya Hub, Virakhpur and Brahmanga Hydropower Plant, Manikaran, Chandigarh, from 16th Nov 2024 to 23rd Nov 2024 to briefed about the entire process of herbal products manufacturing right from research, clinical trials and production.
13. To promote career and research prospects in chemical sciences, the department of chemistry organized a seminar on “Career and research opportunities in chemical sciences” on 28th November, 2024. The session was led by an alumnus of the chemistry department Dr. Tabrez Khan, who is currently an associate professor at IIT Bhubaneswar’s School of Basic Sciences. In an entertaining manner, Dr. Tabrez Khan led the lecture by demonstrating the vast array of career options in the subject of chemistry that await them. He talked about his experience earning several post-

- doctoral degrees. The seminar was beneficial to 85 undergraduate and graduate students.
14. Masterclass on “Exploring Smart Cities” was organized by the department of chemistry under MoU with i - STEP - Enabled students Empowering students on 11th December 2024. Prof. Dan Hill, Distinguished expert, School of Design, The University of Melbourne presented his work which has been instrumental in shaping how cities can leverage innovation to become more intelligent, responsive and sustainable. 57 TYBSc Chemistry students attended the session.
 15. School connect - open day was organised for school students to create awareness about the role of chemistry in everyday life and to create interest in the field of chemistry on 16th December, 2024
 16. Workshop on “Effective resume writing” was organized by the department of chemistry for MSc part 2 students on 19th December 2024. Dr. Anupma Harshal Wadavlikar, Woman in STEM,, Foldscope Mentor, LGP Ashoka University, Consultant, Kotak Education Foundation explained how to develop a polished, well-structured resume that effectively highlights their skills, qualifications, and experience, tailored to specific roles or industries.
 17. 10 days online Workshop on Biomolecules was organized by the department of chemistry from December 26, 2024, to January 4, 2025, and was attended by 150 students. Ms. Chaitra Todankar, PhD Research Scholar, Biomolecular Engineering Lab, Department of Chemical Engineering, IIT Bombay, led this session and gave a thorough explanation of biomolecular principles.
 18. Department of chemistry organised a department festival “Rasayan” on the theme ancient Indian Chemistry on 6th January 2025.
 19. Workshop on “Making Eco-friendly colours” was organized by the department of chemistry in collaboration with the Environment Awareness committee and Paryavaran Dakshata Madal on 12th February 2025. Ms. Pournima Shirgaonkar from Paryavaran Dakshata Madal explained that making eco-friendly Holi colors is important because they are safe for skin and health, environmentally friendly, and support sustainable practices, unlike traditional colors which can contain harmful chemicals and pollutants. 85 SYBSc Chemistry students participated in the event.
 20. Session on “Green Chemistry Tools” was organized by the department of chemistry under Learn from Stalwarts series 2024-25 on 17th February 2025. Mr. Nitesh H. Mehta, Co-founder and Director of Newreka Green Synth Technologies Pvt Ltd discussed various Green Chemistry Tools on the website of “ACS green chemistry Institute, Pharmaceutical round table”. 60 students participated in the workshop.
 21. A webinar on “Lithium-Ion Batteries: Fundamentals, Types, Market Growth and Fabrication Insights” was organized by the Department of Chemistry to commemorate National Battery Day on February 18, 2025. Dr. Girish Gund, an assistant professor at Mahatma Phule Arts, Science and Commerce College Panvel, M.S., India, gave a thorough explanation of lithium-ion battery technology. The webinar was attended by 36 UG students.
 22. Exhibition on “Discover the Science behind Beauty : Cosmetic Chemistry Exhibition” was organised by the TY BSc Chemistry students on 21st February 2025 to showcase the intersection of science and beauty, where 85 TYBSc students presented their innovative projects and research in the field of cosmetic chemistry.
 23. Session on “UV -VIS and IR Spectroscopy for structure elucidation: Density Functional Theory (DFT) perspective”

was organized by the department of chemistry under Learn from Stalwarts series 2024-25 on 21st February 2025. Dr. Sutapa Mondal Roy, Assistant Professor, Department of Chemistry, Sir P T Sarvajanic College of Science, Surat, Gujarat demonstrated the DFT software name GAUSS VIEW 6.1.1 and showed different vibrations in simple molecules.

24. SYBSc Field project - Rural Immersion Program was organised in association with TISS Enables them to apply theoretical knowledge to practical situations, engaging with communities, and developing professional skills. 17 students and 6 teachers participated in the program for which First Visit to Village Aghaai 6th to 8th February 2025 was organised and Second Visit from 1st to 3rd March 2025.
25. Workshop on “Organic Spectroscopy Workshop - A Problem Solving Approach” was organized by the department of chemistry for MSc and TYBSc students on 24th February 2025. Prof. Lakshmy Ravishankar, gave a brief theoretical account of basics of UV-spectroscopy and IR spectroscopy.
26. Workshop on “Warli painting” was conducted by SYBSc chemistry students on 24th February 2025 for teachers and students to foster cultural appreciation, introduce a unique art form, and offer a hands-on experience, while also promoting patience, focus, and problem-solving skills.
27. “Vachanachi Sakholata, Nyanachi samruddhi - Book donation drive” was organised by SYBSc Chemistry students on 24th and 25th February 2025. 110 books collected in the drive were donated to Ashram school and \P schools at Aghaai village.
28. Workshop on “Mastering Problem Solving in Organometallic Chemistry for NET SET Examination: Strategies and Techniques” was organized by the department of chemistry on 25th February 2025. Ms. Shradha Warang, Assistant Professor in Chemistry at Vivekanand Education Society’s College of Arts, Science and Commerce conducted sessions by giving different examples of complex compounds and taught how to identify organometallic compounds. 42 MSc and TYBSc chemistry students participated in the event.
29. Workshop on “DO\N™ 3.0 - A Quantitative Green Chemistry Evaluator for Sustainable Future” was organised by the department of chemistry on 10th March 2025. Ettigounder (Samy) Ponnusamy, Director and Fellow, Green Chemistry, MilliporeSigma explained the use of DO\N™ 3.0, processes to evaluate, optimize and minimize environmental impacts such as waste, energy consumption, and resource depletion. 40 students participated in the event.
30. Seminar on “Unlocking the wonder of chemistry: your gateway to limited opportunities” was conducted for FYBSc chemistry students on 11th March 2025 to introduce various higher education and job opportunities in the field of chemistry. 240 FYBSc students participated in the seminar.
31. Workshop on “making natural Holi colours” was organized by the department of chemistry on 12th March 2025 at Pragat Vignesh Madhyamik Shaala, Ravetpada and Kondhale School, Taluka Wada, Dist. Palghar.
32. Certificate course on “Exploring opportunities in chemistry” was conducted for FYBSc Chemistry students from 17th March to 22nd March 2025 to introduce the different thrust areas of research in the field of chemistry. 69 FYBSc students actively participated in the course.
33. On 22nd March, 2025, the chemistry department commemorated “World Water Day.” To increase awareness of the significance of water for life, health, and the environment, presentations and water sample testing sessions were arranged. The event was enthusiastically attended by 69 students.

34. Educational Exposure Visit for Shirole Ashram School Students, Aghai Village, was conducted on 27th March 2025 to provide them with exposure to higher education opportunities and a diverse range of potential career paths. 52 school students attended the workshops arranged.
35. Chemistry alumni networking meet was organised on 29th March 2025 for fostering a sense of community, providing networking opportunities, and strengthening ties between graduates and their alma mater. 53

Alumnus of the department attended the event and 9 joined online .

36. Workshop on Fire Safety for Non Teaching Staff was organized on Friday, 7 March, 2025. Mr. Rahul More explained the different types of fires occurring in the college laboratories. Mr. Mahesh Kamble demonstrated the use of CO₂ and dry powder fire extinguishers to extinguish fire caused due to flammable. 40 Non teaching staff attended the workshop.



Department of Commerce

- On 16th July 2024, Seminar on **“Career Opportunities in Banking Sector”** was organized for preparation of banking exams. Mr. Prathamesh Tawade had explained the banking system and tips and strategies for clearing the banking exams.
- On 2nd August 2024, Dr. Anupama Harshal conducted a seminar on **“How to read scientific literature”** was organized and 37 students were benefited from the session.
- On 6th August, 2024, Workshop on **“How to write a Research Paper”** was conducted by Dr. Sayali Yadav for encouraging students to write research paper on different social and environmental problems faced in India.
- On 14th August 2024, Workshop on **“Research Project in Commerce”** was organized for participating in **Aavishkar competition**.
- On 17th August 2024, 16 Students participated in Commemorative Day – **“Rakshabandan Celebration”** by tying rakhis to 50 security guards in the college campus.
- On 20th September 2024, 58th A.D. Shroff Memorial **Elocution Competition** was organized and 28 students have participated in the competition.
- On 21st and 23rd Sep 2024, **“Poster and Creative Book Exhibition”** on advertisement subject was organized for SYBCOM students.
- On 10th and 12th Dec 2024, **“MCX Visit”** was organised for students to understand live commodity markets. Students understood the commodity market functions and also how prices are determined of future contracts from the spot price.
- On 11th Dec 2024, **“AVSAR” Commerce Fest** was organized by Commerce Section. More than 80 students participated in various competitions such as Elocution, Debate, AD Mad show, Startup pitch, Poster and Photography Exhibition and Management games, Share bazar, Essay writing.
- On 16th Dec, 2024, **“School Connect” – Open Day** was organized by commerce section for school children. Our students demonstrated how commerce is a part of life, budget in everyday life, impact of advertising, marketing strategies and career opportunities after completing commerce courses were explained.
- On 20th Jan, 2025, **“An Awareness Session on Artificial Intelligence and**

Law” was organized by our college jointly with K C Law College under MOU. 43 Students have participated in the session.

- On 27th Jan 2025, “**Poster competition of Atma Nirbhar Bharat and Start up India**” was organized. The competition was arranged to reduce reliance on imports and increase the use of high-quality domestic products to make India self-sufficient.
- On 5th Feb 2025, A “**Visit to Garware Institute of Career Education and Development**” was organized. A session on the “**Career Opportunities in Foreign Trade Management**” was conducted by Mr. Prakash Khatri. He also gave information on various courses available in foreign trade field and job prospects after completion of these courses.
- On 8th Feb 2025, “**Group Discussion on Union Budget Analysis**” was organized for students to enhance their analytical skills and to increase current affairs awareness like the impact of budget provisions on different sectors.
- On 15th Feb 2025, “**Visit to Chhatrapati Shivaji Maharaj Vastu Sangrahalaya**” was organized for students to gain knowledge about Indian history, art and culture for experiential learning under Indian Knowledge System. 83 students have participated.
- On 17th Feb, 2025, As a part of the celebration of “**Sanvidhan Gaurav**

Mahotsav”, A Talk on Introduction to the Constitution of India , Quiz on the constitution of India and **Essay competition** on the constitution of India were organized by our department. 65 students have participated.

- On 18th Feb, 2025, “**Understanding of Union Budget 2025**” was organized by our college jointly with Gurunanak Khalsa College. **Essay Competition on My Dream budget** was organized. 138 Students have participated.
- On 24th Feb, 2025, A “**Field visit to High Court**” was organised to give them an insight about the functioning of Indian courts. They visited the court museum where they were given information about the history of courts in India. 46 Students have participated.
- On 26th Feb 2025, “**Essay writing Competition**”- Commemorative Day- “**Death Anniversary of Veer Savarkar**” was organized by the department.
- On 8th March 2025, **Walkathon** was arranged on “**International Women’s Day**” celebration for achievements of women and advocate women’s rights.
- On 15th March 2025, **Quiz competition was organized on “World’s Consumer Rights Day**”. The questions covered topics like consumer rights, duties, laws, and fair business practices. 25 students have participated in the competition.



Department of Geology

Title : A public lecture by Mr. Subham Patra, PMRF scholar, IIT-B, on “Integrating Multiple Proxies in Event Stratigraphy: A Holistic Approach with Micropaleontology”.

Date : 22.08.2024

Description : The seminar successfully highlighted the potential of using multiple stratigraphic proxies to develop a more comprehensive and precise understanding of geological events. Participants gained valuable insights into how micropaleontological data, when integrated with other stratigraphic tools, can significantly enhance the resolution of the geologic time scale.

Title : Guidance on upcoming IIT(JAM) exam 2025

Date : July 2024

Description : He conducted a session on preparation for the IIT-JAM entrance exam for Geology. In this session, he concentrated on the paper pattern and a subject wise breakdown on studying for JAM. For each subject he expanded upon the important topics and questions and the books required to study them. Further, he gave them some tips on studying resourcefully for the exam.

Title : Swachhata Pakhwada:

Date : 02.09.2024 to 06.09.2024

Description : Swachhata Pakhwada is a nationwide initiative in India that promotes cleanliness, hygiene, and sanitation. This special drive, organized by various government institutions, organizations, and communities, aims to encourage public participation in building healthier environments. Through awareness programs and workshops, particularly in schools and colleges, the initiative educates students about the importance of cleanliness and sustainable practices. At K. J. Somaiya College of Science and Commerce, the Department of Geology enthusiastically embraced this mission by organizing a vibrant and impactful

Swachhata Pakhwada event. Spanning five days, from 2nd September to 7th September 2024, the event was filled with activities designed to foster a sense of responsibility towards cleanliness and environmental awareness. Students actively participated in a range of activities, including quizzes, extempore competitions, and creative events such as digital poster making and bottle painting, with theme of transforming waste into art.

Title : Geology Museum visit

Date : 06.09.2025

Description : The Somaiya School students of grade IV visited department museum for understating and identification of different rock, mineral and fossil, along with this a small session was conducted on the processes of formation of different landscape and soil erosion.

Title : ONYX

Date : 7th January 2025

Description : The Geology Department successfully organized its annual fest, **ONYX**, which was a grand celebration of Earth sciences, creativity, and talent. The event witnessed enthusiastic participation from around 30-40 students, who engaged in a series of exciting competitions and cultural performances.

The fest featured various engaging events, including:

- **Crack the Crust** – A quiz competition that tested participants knowledge of geological concepts and facts.
- **Tectonic Tiles** – A puzzle-solving challenge based on tectonic maps, enhancing spatial and analytical skills.
- **Debate** – A platform for students to voice their perspectives on critical geological and environmental issues.
- **A Path Across** – A strategic and problem-solving activity by building bridge that encouraged teamwork and decision-making skills.

- **Terra Trace** – A sketching competition that allowed participants to express their geological creativity through art.
- **Cultural Event** – A vibrant showcase of talent, including music, dance, and performances that added an artistic touch to the fest.

The event fostered learning, collaboration, and enthusiasm among students, creating an engaging and enriching experience. ONYX successfully highlighted the significance of geology while providing a platform for students to showcase their knowledge and skills in a dynamic and enjoyable setting.

Title : Carbon Capture Utilization and Storage

Date : 8th January 2025

Description :

Mr Rajiv Srivastava (Retd. General manager)

Ms Tanushree Das (Ex Sr. Geoscientist, Reliance Industries Ltd)

Mr Shubham Kumar PMRF IITB-Monash Research Academic.

Mr Upendra Soni PMRF IITB

The Carbon Capture, Utilization, and Storage (CCUS) seminar was organized to address the growing concerns over carbon emissions and climate change and to discuss innovative solutions for reducing carbon footprints and promoting sustainable development.

Key Discussions

1. **Understanding CCUS Technologies :** Experts provided an overview of carbon capture methods, including pre-combustion, post-combustion, and direct air capture, highlighting their effectiveness in reducing emissions.
2. **Storage and Safety Considerations :** Presentations focused on geological storage options, regulatory frameworks, and the environmental impacts of carbon sequestration.
3. **Carbon Utilization Innovations :** Speakers discussed the potential of

transforming captured carbon into valuable products, such as crystals, chemicals, and construction materials.

4. **Industry Case Studies :** Representatives from leading energy and industrial companies shared real-world applications and best practices in implementing CCUS projects.

Title : The Role of GIS and AI in self-driving cars

Date : 7th January 2025

Description :

Name of Resource Person : Mr Kaiwan Elavia Senior Spatial Data Specialist, HERE Technologies.

The Seminar started from 9:30 am in the seminar hall , focusing on the goals of Geographic Information Systems and Artificial Intelligence in autonomous vehicles are accurate navigation. Geographic Information Systems provide accurate maps with detailed information about connections, traffic signs, lane characters, and interesting details. Learning algorithms interpret and modify maps in real time to adapt to specific situations, such as construction or accidents. Enable vehicles to process the necessary data (cameras, lidar, radar) and make decisions in fraction of a second to avoid collisions with pedestrians, cyclists, cars, and other vehicles. Calculate the best route based on traffic speed to reduce travel time and fuel consumption. Good situational awareness. GIS provides context for sensor data, such as determining the location and type of train, Cars and road signs.

Title : Field Visit in and around Bhuj, Kachchh

Date : 17.12.24 - 21.12.24

Description : The primary objective of this field visit to Kachchh is to gain a comprehensive understanding of its geological framework through direct observations and data collection. This includes studying the stratigraphy, lithology, and structural features of the region. The visit aims to examine key geological formations such as the Mesozoic sedimentary sequences, Deccan Traps, and

Tertiary deposits, as well as to analyze geomorphological features along the coastline. The fieldwork will provide practical exposure to geological processes and contribute to developing skills in field mapping, sample collection, and interpretation of geological history.

Title : Museum visit to Crystal Cave India at PUNE.

Date : 3rd March 2025

Description : A visit at Crystal Cave India Ltd was held on 3rd march, 2025 by the

geology department of KJ Somaiya College of Science and Commerce for FY students as a part of their field visit for the year. There were a total of 19 people on the trip including 15 students from FY, 2 students from MSc and 2 faculty members. The visit was aimed at exploring the museum's extensive collection of minerals, gemstones, and geological artifacts and to enhance our understanding of mineralogy and the geological processes behind the formation of these natural wonders.



Department of Mathematics

1) International Women in Mathematics Day

The lecture series was organized to celebrate the birth anniversary of Maryam Mirzakhani, the first woman to win the prestigious Fields Medal. It was held for second and third-year B.Sc. students. Prof. P. Ramadevi talked about Knot Theory and its real-life applications, while Dr. Rekha Santhanam discussed Algebraic Topology and its applications. Both speakers also shared their personal research experiences. They answered all the participants' questions. The participants' feedback shows that the lecture series was successful, with many requesting more such events in the future.

2) PI Approximation Day

On Occasion of PI Approximation Day celebration, Guest speaker Prithwjit De was invited, who gave an insightful talk titled "Tryst with Pi." He covered the origins of Pi and provided proofs demonstrating that Pi is both irrational and transcendental. His presentation was engaging, leaving the audience with a deeper understanding of this mathematical constant.

The event also had a series of presentations by school students, as

well as junior and senior college students. Their dedication to the topic of Pi was evident in their work.

3) Vedic Maths Workshop

Workshop sessions were arranged for SYBSc Students from TYBSc students of Mathematics. The sessions seamlessly combined simplicity with depth, introducing Vedic Maths concepts with clarity. Students not only acquired mathematical skills, making the learning experience both enriching and impactful.

4) Inauguration Of Mathletics

The Department of Mathematics inaugurated the "Mathletics Club" on 20th August 2024 at 9:00 AM, marking the beginning of an exciting platform for students to delve into the fascinating world of mathematics. The event aimed to officially launch the club and its mission to engage students through various activities, thought-provoking discussions, and enlightening screenings.

5) Applications of Mathematics in Nonlinear Science

The Department of Mathematics, arranged a talk on "Applications of Mathematics in Nonlinear Science" on 31st August 2024 at 12 noon in the

seminar hall. The talk was delivered by Prof. Vinayak S. Kulkarni from the Department of Mathematics, University of Mumbai. Prof. Kulkarni, known for his expertise in nonlinear science, presented deep insights into the role of mathematics in analyzing and solving complex problems in science by using mathematical modeling and taking various variables that represent real life variables.

6) Hindi Diwas

The Department of Mathematics celebrated Hindi Diwas on 19th September 2024 at 11:00 AM with great enthusiasm. The event featured students reciting beautiful Hindi poems and sharing engaging stories, highlighting the significance of the Hindi language. One of the most exciting parts of the celebration was the interactive session on Hindi Paheliya (puzzles), where students eagerly participated and showcased their knowledge by answering various riddles. Prabhat Sir also recited a heartfelt Hindi poem, adding to the cultural richness of the event. The students' excitement and active involvement made the celebration memorable, fostering a deeper appreciation for the Hindi language and its cultural importance. The event successfully brought the department together, allowing students to showcase their talent and celebrate the beauty of Hindi in a fun and engaging manner.

7) Workshop on Madhava Mathematics Competition

In K. J. Somaiya College of Science and Commerce, the department of Mathematics organized a two day workshop for students of B.Sc. Mathematics from various colleges in Mumbai. The workshop was attended by 32 students from various colleges. Eight sessions covering different areas of problems were conducted by experts associated with the training and conduction of the Competition. The

workshop was very much beneficial to students as well as teachers as it gave them access to a variety of challenging problems.

8) Workshop on Tableau

The three-day Tableau workshop successfully introduced participants to the fundamentals and advanced techniques required for data analysis and visualization. By combining theoretical knowledge with hands-on exercises, the workshop equipped participants with the skills needed to create clear, impactful data presentations. The insights gained, especially on Day 3, will be invaluable in future data-driven decision-making and reporting.

9) Movie Screening

The Mathletics Club, from the Department of Mathematics at KJSSC, organized a movie screening. The screening was held in the seminar hall on the first floor. The movie, which started at 9:00 a.m., was as fascinating as the title itself: *The Great Math Mystery*. The overview of the movie had an imaginative outlook. The entire screening explored the various applications of mathematics that are still unknown and mysteriously hidden from the world.

10) Departmental Fest

The Mathletics Fest 2024, held on 13th December organized by the Mathletics Club—the Official Club of the Department of Mathematics at K J Somaiya College of Science and Commerce was a spellbinding event inspired by the magical world of Harry Potter.

11) Alumni Meet

The Department of Mathematics at KJ Somaiya College of Science and Commerce hosted an exhilarating Alumni Meet, inviting alumni to reunite and relive the golden days of their academic journey. The event, held on 14th December at 11:00 AM in the

Seminar Hall, began with an inspiring speech by the Head of the Department, emphasizing the importance of the alumni community in shaping the department's legacy.

12) National Mathematics Day

On 21st December, 2024, the Department of Mathematics Organized a seminar, which commenced with the traditional prayer of Somaiya College. The prayer set a serene and auspicious tone for the event. Prasad Gaikwad, a representative from Envision Overseas Education Consultants, then presented a comprehensive overview of his company's services and expertise in facilitating international education.

13) Excel-lence of the Web

On 8th January 2025, An Exhibition named 'THE EXCEL-LENCE OF THE WEB' was presented by the Department of Mathematics and students of SY BCom F Division. The students showcased the websites and various creations they made using the tools of Excel.

The exhibition was a collection of various websites made for appliances, translation, investment, clothing, anime, etc and other categories. The students tried to create realistic websites on Excel using tools like data validation, pivot charts and tables,

forecasting charts and presenting Excel dashboards to showcase the overall content of the websites. Also, various logos, game themes, templates and the divisible calculator were presented by the students.

14) Workshop on Vedic Maths

Students of TYBSC and SYBSC Mathematics visited R. N. Gandhi School, Vidhyavihar on 27th January 2025 as part of the department's outreach program. It was a one-day session on Vedic Mathematics. Mr. Prashant Agre (Professor, Mathematics Department) accompanied the students.

15) Talk on Arithmetic Function

The Department of Mathematics organized a talk on "Arithmetic Functions" on January 30, 2025, at 12:00 noon in the seminar hall. The talk was delivered by Dr. Janki Vashi from the Department of Mathematics, Sir P. T. Sarvajanik College of Science, Surat. Dr. Vashi explained the concept of arithmetic functions and their properties, along with real-life applications in fields like cryptography and computer science. She also addressed questions raised by the students. The session was well received, as it provided valuable insights into the practical applications of arithmetic functions.



Department of Microbiology

June-July 2024 :

Organizers : Dr. Lolly Jain, Mr. Shabib Khan and Ms. Pooja Nandi

A **Refresher course on: Recent Trends in Biological Sciences** was organized by the Department of Microbiology and the Department of Botany for faculty members from Life Sciences from June 24 to July 6, 2024. This program, organized in collaboration with the UGC-Malviya Mission

Teacher Training Centre, University of Mumbai and sponsored by RUSA, featured 20 participants from across the country. The course included contributions from 24 distinguished guest speakers from institutions such as IISER Pune, IIT Hyderabad, Jain University, Bangalore, Symbiosis School of Biological Sciences, and the Department of Biotechnology, Government of India to name a few. The event was highly successful, as reflected in the positive feedback from participants.

Induction programme for F.Y.B.Sc:

Coordinator : Department of Microbiology in collaboration with Deeksharambh committee

The F.Y.B.Sc induction program was held on 11 July 2024 at 12: 45pm in the UG laboratory of the Department of Microbiology. Dr. Lolly Jain, Head of the Department, began the session with a warm welcome to the students. She provided an introduction to the department with its vision and mission. Staff members introduced themselves. Dr. Soniya Shetty presented a presentation on core courses in the curriculum of microbiology, curricular-co-curricular events, departmental fest, awards won by the students, sessions by the alumni, workshops and competitions conducted. Overall session was beneficial to the students. The induction program concluded with a Q & A Session to address any remaining questions and concerns of the new students.

August 2024 :

Organizer : Ms. Sohini Dasgupta

The first event of **Journal Club** was held on August 5, 2024, on **“Bacterial Pigmentation and Applications.”** Presented by MSc Part 1 students. This seminar aimed to stimulate research ideas among participants by encouraging them to present and discuss research papers. The seminar successfully fostered a dynamic research environment, inspiring students to explore their potential in research and consider careers in the field. A total of 104 participants, including undergraduate (UG) and postgraduate (PG) students, as well as teaching faculty, benefited from this event.

Organizer : Dr. Lolly Jain

On August 6, 2024, A **Faculty Development Program (FDP)** focusing on **“Training in ICT Tools and Cooperative Learning Strategies in Teaching and Learning Processes”** was conducted. The program, led by Dr. Trupti Rane and Dr. Lolly Jain, aimed at the holistic development of newly recruited faculty members. The objective was to upgrade their skills in engaging students using ICT tools and cooperative learning strategies. The outcome of this FDP was transformative,

as the newly recruited faculty members were equipped to enhance classroom engagement through the implementation of various ICT tools and cooperative learning techniques. Fourteen teaching faculty members participated in this FDP.

Organizer : Dr. Lolly Jain and Ms. Pooja Nandi

The event titled **“The Gut Gang : ‘-biotics’ - Alive, Dead, and Everything in Between”** took place on August 14, 2024. The session was led by Mr. Jeet Mehta, a PhD candidate in Biotechnology at ICT Mumbai and our alumnus. The objective of this session was to provide an in-depth understanding of various ‘-biotics’ (probiotics, prebiotics, synbiotics, postbiotics) and their role in gut health. Participants gained valuable insights into the impact of both live and dead ‘-biotics’ on gut health, which enhanced their knowledge for making informed dietary and clinical decisions. A total of 69 participants, including UG and PG students as well as teaching faculty, attended this session.

Organizer : Mr. Shabib Khan

On August 21, 2024, the department organized a session titled **“Ten Mantras for Well-being,”** conducted by Ms. Neha Dugar. The objective of this session was to introduce the concept of well-being and to sensitize students to various methods that can enhance their well-being. As a result of this session, students gained a better understanding of well-being and were encouraged to implement these aspects in their daily routines. Sixty-six participants, including UG and PG students and teaching faculty, benefited from this event.

Organizer : Ms. Versha Peghwal

The next event of the month, held on August 24, 2024, was a guest lecture on **“Unleashing Potential: The Path to Gender Equality,”** delivered by CA Taruna Jain, Former Secretary of Akhil Bhartiya Terapanth Mahila Mandal. The lecture aimed to raise awareness about gender biases and to encourage advocacy for gender equality within communities. The session enlightened participants about the disparities between rural and urban gender issues in India,

motivating them to actively participate in promoting gender equality. Seventy participants, including UG and PG students and teaching faculty, attended this lecture.

Organizer : Ms. Tarannoom Khan

Dr. Nandini Kotharkar, Assistant Professor at Fergusson College, Pune, conducted a comprehensive **Bioinformatics workshop** for M.Sc. II Microbiology students from August 23rd to 25th, 2024. The hybrid workshop covered key topics such as bioinformatics fundamentals, databases, sequence alignment, phylogenetic analysis, and molecular docking. Hands-on training included tools like BLAST, FASTA, and CLUSTAL OMEGA, along with exploring NCBI databases. Dr. Kotharkar's engaging sessions provided both theoretical insights and practical experience, enhancing students' understanding of bioinformatics. Her expertise and interactive teaching approach made the workshop highly enriching and inspiring.

Organizer : Ms. Versha Peghwal, Ms. Poonam Shinde.

The Department of Microbiology, in collaboration with the Microbiologist Society of India, organized a digital poster exhibition on '**Exploring Recent Trends in Biology**' on August 29, 2024. Judged by Mrs. Hemlatta Chakraborty, the event featured 20 MSc Semester I students presenting innovative topics like CAR-T cell therapy, islet cell transplantation, and bio-prints of life. The exhibition aimed to highlight biological advancements addressing global challenges in health and medical sciences. Students enhanced engagement by incorporating QR codes and interactive infographics in their posters. The event was highly informative, sparking curiosity and interest in cutting-edge biological research.

September 2024 :

Organizer : Ms. Tarannoom Khan

On September 2, 2024, the Department of Microbiology at K.J. Somaiya College of Science and Commerce hosted its annual fest, **MICROSCOPE'24**; a platform for students to showcase talents and exchange

knowledge in life sciences. Coordinated by Ms. Tarannoom Khan under the guidance of Dr. Lolly Jain, the event drew 210 in-person attendees and 86 virtual participants. Twenty local colleges from Mumbai and seven institutions nationwide took part, emphasizing the fest's broad appeal. The event began with a campus prayer, followed by opening remarks from Dr. Jain and Ms. Khan, and featured 11 competitions (7 offline, 4 online), promoting collaboration and innovation in life sciences. The success of Microscope 2024 highlighted the department's dedication to academic excellence and its impact on building connections between students and professionals in the field.

Organizer : Ms. Sohini Dasgupta

The next event in the month was the second session of **Journal club** focused on teaching students how to read research papers and present their findings, fostering innovation and research skills. MSc students delivered presentations on **Phage Therapy**, highlighting its use in treating lung infections and wastewater treatment. Other talks covered bacterial pigmentation and its applications. The interactive sessions created a vibrant, participative learning environment. Both presenters and the audience were actively engaged, making it a valuable research and professional development experience. The seminar was well-received by the students.

Organizer : Dr. Soniya Shetty, Ms. Poonam Shinde.

On 21st September 2024, the Department of Microbiology celebrated **International Microorganisms' Day** with a poster exhibition. SYBSc students presented the results of a two-month project, where they isolated and identified microorganisms from environmental samples using Bergey's Manual. FYBSc students explored microbial diversity by selecting microorganisms with genus and species initials matching their names, researching from Bergey's Manual and other sources. The posters were reviewed by the Head of the Department and faculty. TYBSc students also participated by visiting the exhibition, fostering a collaborative learning experience.

Organizer : Ms. Poonam Shinde.

The **Alzheimer Awareness Walkathon** was held on September 23, 2024, at 10 a.m. at Somaiya Vidyavihar campus to mark World Alzheimers Day. The event aimed to raise awareness about Alzheimers disease and promote its prevention and treatment. Ms.Poonam Shinde introduced the significance of the day, with Dr. Lolly Jain, Head of the Microbiology Department, and faculty members in attendance. Seventy-four UG students participated, displaying creative posters and voicing slogans to raise awareness. The participants wore matching T-shirts, symbolizing unity and support. The walkathon was a successful initiative, drawing attention to Alzheimer's care and treatment.

Organizer : Dr. Lolly Jain.

A One-day workshop on **Research Proposal Writing- Sanshodhanam**; was organized jointly by the Department of Botany, Chemistry and Microbiology for the M.Sc Sem I students as a part of their Research Methodology course. The resource persons for the same were Prof. Sunita Shailajan, Former Dean, Research, Ramnaraian Ruia College and Dr. Sasikumar Menon, Director, TDM Laboratory. The workshop was fruitful in engaging the students and initiating the quest for research. Students worked in groups to design a research project and also presented the same. 80 students and about 15 faculty members attended the workshop.

October 2024 :

Organizer : Ms.Taranoom Khan.

A seasoned STEM professional, Dr. Anupma Harshal Wadavlikar with over 22 years of experience, conducted a **Resume Writing Workshop** for MSc II students, organized by the Department of Microbiology. The session emphasized the critical differences between a resume and a CV and stressed the importance of customizing resumes to align with job descriptions. Dr. Wadavlikar offered practical advice on prioritizing relevant information and omitting unnecessary details. By focusing on personalized strategies, she prepared students to create impactful resumes.

Participants left with polished, job-ready resumes and increased confidence in their professional skills.

Organizer : Dr. Lolly Jain.

On October 17, 2024, the Department of Microbiology, as part of its study circle activities, organized a session titled **Film Review Writing : Point to Point Guide**, conducted by Mr.Abhijit Deshpande, Associate Professor and Head of the Department of Marathi at K.J. Somaiya College of Arts and Commerce. Known for his passion for cinema and extensive experience in film societies and festivals, Mr. Deshpande emphasized the importance of keen observation, using examples like the Ajanta and Ellora caves. He screened a short film and provided a detailed guide on writing effective film reviews, focusing on narration, presentation, emotions, and interpretation. He highlighted the purpose of a film review: to inform readers and offer a thoughtful analysis of film elements.

Field Visit to MPSM's PCR, Nashik :

Coordinator : Dr. Lolly Jain, Fr. Joel Noronha SJ, Ms. Uma Petkar

The Department of Microbiology, K.J. Somaiya College of Science and Commerce, organized a field visit for 06 S.Y.B.Sc students from October 17-28, 2024. The visit, part of a 2-credit NEP 2020 field project, took place at Prabodhan Centre for Research, MPSM, Nashik. Students studied Plant Growth-Promoting Rhizobacteria (PGPR) from soil associated with walnut trees. They performed microbial isolation, Gram staining, biochemical tests, and fungal identification. Fungal isolates included *Penicillium* spp., *Aspergillus niger*, and *Fusarium* spp. Students conducted optical density measurements and tested for IAA and gibberellin production. Positive hormone tests confirmed the microbes' potential in promoting plant growth. The centrifugation technique was demonstrated for broth culture component separation. A visit to DolemalPeth village highlighted the use of Azolla and biofertilizers in organic farming. The workshop connected academic learning with practical applications in agricultural microbiology.

Field Visit to Nareshwadi:

Coordinator : Dr. Lolly Jain, Ms. Kiran Surve, Ms. Tarannoom Khan and Ms. Dhanashree Tambe in collaboration with SIRAC (Dr. Parvathi JR, Ms. Krusha Shah, Ms, Isha Popat)

The Department of Microbiology at K.J. Somaiya College of Science and Commerce organized an educational field visit to Nareshwadi Learning Centre, Dahanu, on October 28, 2024, for 18 S.Y.B.Sc students. The visit was the culmination of a 10-day field project in collaboration with SIRAC and Nareshwadi Learning Centre. Students engaged with local school children through interactive sessions, simplifying microbiology concepts and performing a skit on Panchagavya. They presented their research on organic farming, highlighting the role of microbes in soil health and sustainable agriculture. A visit to the polyhouse exposed students to controlled farming techniques and the use of organic fertilizers like Jeevamrut and Panchagavya. At the dairy farm, students learned about hygienic milk production and microbial roles in livestock care. These visits connected theoretical knowledge with field applications. The exposure to real-life agricultural practices helped strengthen scientific inquiry and environmental awareness. The Warli art store visit introduced students to local tribal art and culture, promoting cross-disciplinary appreciation. Overall, the field trip offered holistic learning, merging microbiology, sustainability, and cultural understanding.

November 2025 :

Organizer : Ms. Poonam Shinde.

In the month of November the Department of Microbiology hosted an enlightening session, “**Career Paths in Life Sciences: From Bench to Bedside**”, on 14th November 2024. Attended by 52 students, the session focused on equipping participants with insights into emerging trends and aligning their skills with evolving industry demands. Guest speaker Dr. Purna Chaudhary explored diverse career opportunities, from academia and research to regulatory affairs and business development. Cutting-edge areas like stem

cell therapeutics, organoid technology, and cGMP-compliant processes were highlighted. She also emphasized the value of networking, project management, and communication for career advancement. Her practical advice on aligning academic pursuits with industry needs and fostering lifelong learning left a lasting impact on attendees. The session was well-received and inspired students to embrace the dynamic nature of the life sciences field.

December 2024 :

Organizer : Ms. Versha Peghwal and Ms. Poonam Shinde.

The Department of Microbiology, in collaboration with the Microbiologist Society, India, organized a **Rangoli Competition** on 9th December 2024, with the theme “**Microbes for a Sustainable Future.**” Thirteen groups of UG and PG students creatively showcased microbial contributions to sustainability through vibrant rangoli designs depicting waste management, bioenergy, soil health, and ecosystem restoration. Dr. Jacinta George, Assistant Professor, Dept. of Biotechnology, S. K. Somaiya College, Mumbai, judged the competition. The winners were Ms. Mansi Koregaonkar and Ms. Ruchi Cheulkar (1st Prize), Ms. Priya Gangurde and Ms. Ankita Gupta (2nd Prize), and Ms. Ketki Kumthekar and Ms. Sneha Bhadra (3rd Prize). The judge awarded prizes and praised all participants for their efforts.

Organizer : Ms Sohini Dasgupta.

On 11-12-2024, the Department of Microbiology conducted the third **Journal Club** event focused on **Neuromicrobiology**, exploring how microbes interact with the central nervous system (CNS). Three MSc Part 1 students presented research papers on the gut microbiota’s role in CNS diseases, including its impact across age groups and case studies on neurological diseases, pediatric autoimmune disorders, and Parkinson’s disease. The event aimed to enhance students’ ability to analyse research papers and present findings effectively, fostering innovative, research-driven ideas. Active interactions between UG and PG students created an engaging

research environment. The seminar received positive feedback for its contribution to students' professional development.

Open Day : School Connect awareness session

Coordinator : Department of Microbiology in collaboration with IQAC committee

On December 16, 2024, the IQAC Committee of K. J. Somaiya College of Science and Commerce organized a School Connect Open Day from 10:30 a.m. to 4:30 p.m. The Department of Microbiology welcomed students from 12 schools, including those from Palghar, Panvel, and Dahanu. The event aimed to spark curiosity in microbiology through engaging, hands-on activities. Volunteers demonstrated antimicrobial susceptibility testing to explain antibiotic effectiveness. Students used selective media to isolate pathogens and learned about cultivating specific microbes. A handprint activity highlighted the importance of proper hand hygiene in disease prevention. Sessions also featured the most probable number technique for water testing and a biogas plant presentation. Students observed microbial bioluminescence and explored yeast's role in dough fermentation. Microscopy and a fun card sorter game made the learning interactive and memorable. Overall, the program effectively connected microbiology to real-life applications, inspiring future interest.

January 2025 :

Organizer: Mr. Shabib Khan, Ms. Versha Peghwal.

The Department of Microbiology organized an experiential educational **Visit to CETP**, Koparkhairane, Navi Mumbai, on January 2, 2025, at 11 a.m. The visit aimed to provide students with practical exposure to effluent treatment processes. The session began with an overview of effluent sources, treatment methods, and the importance of testing and processing. The technical staff demonstrated the operations of the clariflocculator, aeration systems, sludge collection, and effluent testing parameters like BOD and COD. Students observed the

processes, including flocculation and sludge management, and discussed potential research and internship opportunities. This comprehensive experience enhanced students' understanding of wastewater management systems and offered avenues for future academic and professional exploration.

Organizer : Dr. Lolly Jain, Ms. Taranoom Khan, Ms Poonam Shinde, Ms. Kiran Surve.

On January 7, 2025, the Department of Microbiology facilitated an educational Visit to **P.D. Hinduja National Hospital and Medical Research Centre** for 46 undergraduate students. Led by Dr. Lolly Jain and other faculty members, the session started with an informative presentation by healthcare professionals, highlighting trends, career options, and paramedical courses. Students explored hospital facilities in groups, observing the radiology department, ICU, Central Sterile Supply Department (CSSD), and kidney dialysis unit. The advanced equipment, including CT scanners and MRI machines, captivated their interest. Demonstrations of sterilization processes and ventilator management provided insights into healthcare technologies. The visit offered a unique opportunity for students to witness cutting-edge healthcare practices, inspiring many to consider careers in allied health sciences.

Organizer : Mr. Versha Peghwal, Ms. Poonam Shinde.

On January 14, 2025, the Department of Microbiology collaborated with the Microbiologist Society India to organize a food fest, **"Gut-Friendly Gourmet."** The event promoted gut health awareness through probiotic and nutrient-rich dishes. Inaugurated by Dr. Lolly Jain, the event featured 28 students showcasing dishes like Amboli, Millet Bhel, Gharge, DahiPuri, Fruit Custard, Soybean Cutlets, and Appe with Beetroot Chutney. Each dish was accompanied by educational posters highlighting recipes and nutritional benefits. The festival combined scientific learning with culinary creativity, fostering awareness about fermented foods and prebiotics. The

enthusiastic participation and support from faculty made the event a memorable success.

23rd National Microbiolympiad

Coordinator : Mr. Shabib Khan, Ms. Poonam Shinde and Ms. Dhanashree Tambe.

The Department of Microbiology organized Round I of the Microbio Quiz for Microbi Olympiad in collaboration with the Government Institute of Science, Chhatrapati Sambhajnagar (Aurangabad) on 18-01-2025. A total of 50 students participated : 17 F.Y.B.Sc, 10 S.Y.B.Sc, 13 T.Y.B.Sc, and 10 M.Sc. I students, via the IBS Academy app. The quiz served as a platform to assess and showcase students' knowledge in Microbiology. Registrations included 6 for Microbioslate, 1 for Microbio Canvas, 3 for Microbioread, and 2 for Microbio Model. Three T.Y.B.Sc students—Mr. Hemant Anusuri, Ms. Sheril Thomas, and Ms. Spoorthi Shetty—qualified for the final round. Ms. Manasvi Sathe from M.Sc. I secured the seventh position in the PG-MBQ category. Our T.Y.B.Sc finalists represented the college at the MicrobioQuiz final round and won third place. The event featured intercollegiate participation, testing knowledge in Microbiology, Biotechnology, and allied sciences. Students demonstrated commendable teamwork, subject expertise, and analytical thinking throughout the competition. This accomplishment is a testament to their dedication and motivates future students to aim high in scientific pursuits.

Organizer : Ms. Tarannoom Khan.

On January 18, 2025, the Department of Microbiology organized a **Career Guidance** session led by Dr. Bharati Chedda from SCOPE (Skilling College of Paramedical Education). Dr. Chedda discussed the critical role of paramedical professionals in modern healthcare and highlighted postgraduate, degree, diploma, and short-term courses in specialized fields such as Lab Technology, Radiology, Dialysis, and Nursing. The session emphasized the growing demand for paramedical professionals in India and abroad, providing insights into career opportunities in healthcare

institutions and diagnostic centres. The interactive session concluded with a vote of thanks, leaving students motivated to explore these impactful career paths.

Organizer : Ms. Sohini Dasgupta,

On 25th January 4th session of **Journal club** was held at department of Microbiology. The event aimed to guide students in effectively reading, understanding, and presenting research papers while fostering innovative, research-based thinking. This month's topic, **Plant-Microbe Dynamics**, explored plant-microorganism interactions, their ecological roles, and applications in agriculture, biotechnology, and environmental management. MSc students presented papers on mutualism, commensalism, pathogenicity, microbial consortia, and plant virus-vector interactions, alongside a neuromicrobiology study on gut microbiota's role in CNS diseases. Active participation from UG and PG students through insightful questions enhanced engagement and created a dynamic research atmosphere. The seminar received highly positive feedback for its comprehensive learning experience and professional development impact.

Organizer : Dr. Lolly Jain, Ms Kiran Surve, Ms. Dhanashree Tambe, Ms. Sohini Dasgupta.

The Department of Microbiology organized an educational visit to R & D Cancer biology lab at **Godavari Biorefineries Limited** on January 30, 2025, as part of the practical curriculum for S.Y.B.Sc, T.Y.B.Sc, and M.Sc. Part I students. A total of 98 students, accompanied by four faculty members, participated in the visit, with students divided into batches of 10. During the visit, students were first taken to the Cancer Biology Lab, where they were introduced to the ongoing cancer research. They observed breast and brain cancer cell lines and learned about their processing and maintenance. Following this, they visited the Microbiology Lab, where strain improvement studies on yeast cells were demonstrated, along with their applications in ethanol production at Sameerwadi, Karnataka. The visit concluded with discussions on effluent treatment processes of the sugar industry.

February 2025 :

Organizer : Dr. Soniya Shetty, Ms. Tarannoom Khan.

On the occasion of **World Cancer Day**, M.Sc. Part I students presented five creative skits highlighting molecular mechanisms of cancer development, progression, and treatment challenges. The event, attended by 82 students and faculty members, provided an engaging and interactive learning experience. The skits titled Case No. 101: The Rogue Cell Mystery, The Guardian Goes Rogue: Ovarian Cancer, Cancer Carnival: B-Cell Lymphoma, Loss of Gene Function: Colorectal Cancer, and Journey of a Cancer Cell – A Tumorous Tale simplified complex concepts and motivated students to explore innovative learning methods.

Organizer : Ms. Poonam Shinde.

A session on **Scitrepreneurship**, led by Dr. Arindam Banerjee, provided valuable insights into the intersection of science and business. Attended by 101 participants, the session emphasized the potential of scientific expertise in entrepreneurship, career opportunities in biotechnology, and the increasing relevance of scitrepreneurship. Dr. Arindam also discussed LifeSenz's pioneering work in cancer research and the significance of scientific innovation in India's growing research landscape. A dynamic Q & A session further enriched the discussion, leaving students inspired and informed.

Organizer : Dr. Lolly Jain, Ms. Versha Peghwal.

An **Industrial Visit to Goa** offered 12 undergraduate and 12 postgraduate students firsthand exposure to research and industrial sectors. Led by Dr. Lolly Jain and Ms. Versha Peghwal, the visit included: Goa Waste Management Corporation (GWMC) – Understanding waste segregation, recycling, and biogas production, Tropical Spice Plantation – Learning about spice cultivation, medicinal benefits, and economic importance, Goa Dairy & Milk Union – Exploring milk processing, pasteurization, and microbiological safety, National Institute of Oceanography (NIO) – Observing marine research, high-

end lab equipment, and interactions with oceanography researchers. The trip combined academic learning with cultural exploration at Baga Beach, Calangute Beach, Princesa Cruise, Dona Paula, and Panjim Market, making it a well-rounded educational experience.

Organizer : Mr. Shabib Khan.

A session on **Life by Design : Shape Your Image, Shape Your Future** focused on personal and professional development. The resource person, Mrs. Sheetal Sankhala, an image consultant guided students on goal setting, effective communication, decision-making, and dressing etiquette. The interactive session enhanced students' confidence and soft skills, essential for career growth.

Organizer : Ms. Poonam Shinde, Ms. Tarannoom Khan.

On February 18th, 2025, 21 FYBSc and 24 SYBSc Microbiology students, accompanied by faculty members Ms. Tarannoom Khan and Ms. Poonam Shinde visited **Saguna Baug**, an eco-friendly farm near Matheran. The visit introduced students to sustainable farming, including bamboo cultivation, medicinal plants like Clove and Cinnamon, and their applications. They explored Apiculture and Pearl Culture, learning about honeybee pollination and freshwater pearl farming. Exposure to diverse crops such as sunflowers, water lilies, and lotus highlighted their economic and ecological importance. Waste management techniques like biogas production and vermicomposting showcased sustainable resource utilization. Hands-on experiences deepened their understanding of innovative agricultural methods. The visit emphasized the role of microbiology in farming and environmental conservation. Recreational activities like Mallakhamb and boating added an enjoyable element to the trip. Students gained practical insights into rural employment and sustainable livelihoods. Overall, the visit was an enriching blend of education, nature, and innovation.

Organizer : Ms. Sohini Dasgupta.

A research seminar, fifth session of **Journal Club** introduced students to **Microfactories**

and their role in sustainable industrial processes. Four M.Sc. Part I students presented papers on various aspects of microfactories, including customized drug production, bioengineering applications, and associated challenges. The session, attended by UG and PG students, sparked meaningful discussions and expanded students' understanding of emerging research fields.

Organizer : Ms.Kiran Surve, Ms. Dhanashree Tambe.

In collaboration with the Institution's Innovation Council, the Department hosted an **IPR session** featuring Mr. Manoj G. Somkuwar, an expert in patents and designs. The session, attended by 60 students, covered: Patents, trademarks, copyrights, and semiconductor integrated circuit layout designs, Patent filing procedures, requirements, and grant processes in India, Career opportunities in Intellectual Property Rights. An engaging Q&A segment allowed students to clarify doubts, making the session a valuable learning experience.

Organizer : Dr. Soniya Shetty.

The Department of Microbiology hosted a seminar by Mr. Usman Ali on February 22, 2025, focusing on **Single-Use Systems (SUS) in therapeutic manufacturing**. He explained the production of recombinant proteins, hormones, and enzymes using SUS, detailing the four stages of manufacturing. He highlighted the advantages of Single-Use Bioreactors (SUB) over traditional systems and discussed key benefits such as flexibility, reduced contamination risk, and cost-effectiveness. Challenges like material compatibility, environmental concerns, and scalability were also addressed. The session concluded with job opportunities at BSV, receiving highly positive feedback.

Organizer : Ms. Kiran Surve.

The Department of Microbiology, in collaboration with the Placement Cell Committee, successfully conducted a placement drive on February 22, 2025. Coordinated by Dr. Soniya Shetty and Ms.

Kiran Surve, the event aimed to connect students with career opportunities in biotechnology and pharmaceuticals. Mr. Usman Ali, Senior Manager at Bharat Serums & Vaccines Ltd., interviewed candidates, assessing their technical skills and industry readiness. Out of six registered participants, three attended and actively engaged in discussions, receiving valuable feedback. The initiative provided students with industry insights and reinforced the department's commitment to bridging academia and professional careers.

Co-ordinator : Dr. Soniya Shetty

The Department of Chemistry, in collaboration with TISS, organized a visit for students of two ashram schools from Shahapur to our college campus. As part of the visit, students explored various laboratories and facilities, including the Department of Microbiology. They were introduced to the wall mural on '*Milestones in Microbiology*', created by first-year Microbiology students. The mural showcases key developments in the field of Microbiology from the 16th century to the present. Students of class 8 and 9 were given a brief explanation of several important events depicted in the mural. Dr. Soniya Shetty led the session, supported by other faculty members. Notably, non-teaching staff members Amit Ghag, Sagar Chavan, and Prajyot Bhalerao also contributed to explaining some milestones. The collaborative efforts made the session engaging and informative for the young visitors. The students were enthusiastic and showed curiosity about the history of Microbiology. Overall, it was an enriching experience that blended science education with creative visual learning.

MoU's Signed by the Department in 2024-2025

1. Somaiya Sports Academy

During the academic year 2024-25, the Department of Microbiology at K.J. Somaiya College of Science and Commerce extended its consultancy services to **Somaiya Sports Academy**, Mumbai, supporting its commitment to athletic excellence and public health. The academy, known for its state-of-the-art infrastructure, benefitted

from regular monitoring of water, air, and equipment hygiene. Monthly water analysis ensured that swimming pools and drinking water met safety standards through MPN testing. Air monitoring, conducted every four months, assessed indoor air quality using microbial sampling to support a healthy environment. Equipment monitoring, also done quarterly, involved swab testing of high-touch surfaces like gym equipment and locker rooms to maintain hygiene. The department also evaluated cleaning protocols and suggested improvements. These services have led to enhanced safety standards, better maintenance practices, and the adoption of sustainable methods. The collaboration has significantly contributed to the well-being of athletes and visitors. The ongoing partnership stands as a model of excellence in integrating science with sports facility management.

2. Lifesenz Cancer Labs Pvt. Ltd

During the academic year 2024–25, the Department of Microbiology collaborated with **Lifesenz Cancer Labs Pvt. Ltd.**, a leading biomedical company engaged in translational cancer research and advanced R&D training. This collaboration enriched students' academic journey by merging theoretical knowledge with real-world applications in cancer research and innovation.

3. Skilling College of Paramedical Education

During the academic year 2024–25, the Department of Microbiology engaged in a valuable academic collaboration with **SCOPE** (Skilling College of Paramedical Education), an institution committed to developing skilled healthcare professionals through specialized training programs. This initiative supports the department's goal of integrating practical training into the curriculum. The collaboration with SCOPE has contributed to building industry readiness and guiding students toward dynamic career opportunities in the healthcare sector.

4. Microbiologist Society of India

During the academic year 2024–25, the Department of Microbiology collaborated with the **Microbiologist Society of India** (MBSI) to organize a range of impactful events promoting microbiology. Several activities organized under MBSI fostered scientific curiosity, innovation, and competitive spirit among students. The collaboration with MBSI significantly enriched academic engagement and skill development across all levels.

Teachers Achievements and Contribution

Dr. Lolly Jain

Administrative Responsibilities :

1. **Head, Department of Microbiology (1st November 2022 onwards)**

Member/Convenor of College/Committees

1. Chairperson, Board of Studies in Microbiology, K.J.Somaiya College of Science and Commerce (1st November 2022 onwards)
2. Member, Question paper Review Committee, Department of Microbiology.
3. Member, CDC
4. Convenor, Grievance Redressal and Antiragging Committee
5. Convenor, Aavishkar Committee
6. Convenor, LOCF Committee
7. Convenor, UGC Planning and Evaluation Committee

Book chapters published :

1. Chapter title : Bioprospecting of Biosurfactants Derived from Halophilic Organisms: An Eco-friendly and Sustainable Strategy
 - a. Authors : Shabib Khan, Lolly Jain
 - b. Book name : Current Research on Bioprospecting and Its Applications
 - c. ISBN : 978-81-980173-9-0
2. Chapter title : Phytase Enzyme: Advancements in Biotechnology for Agricultural and Nutritional Applications
 - a. Authors : VershaPeghwal, Lolly Jain

b. Book name : Current Research on Bioprospecting and Its Applications

c. ISBN : 978-81-980173-9-0

Research paper published:

- An overview on microbial potential for sustainable waste management: Techniques, treatment and Tactics in Rashtriyasant Tukdoji Maharaj Nagpur University - Science Journal 2023 (Peer Reviewed and Refereed Journal) 2023 ISSN 09726330, Vol XVI, pg 47-58, Pooja Nandi, Pratik Godbole, Lolly jain, Kirtikumar Randive.

Workshops/Seminars/Symposiums/FDP's attended :

1. Workshop on 19th Aavishkar: Intercollegiate/ Institute/Department Research Convention organized by Department of Student's Development, University of Mumbai at LalaLajpatrai College of Commerce and Economics, on July 20, 2024.
2. Participated in iStep Mentors Education Workshop on 'Artificial intelligence as a Teaching Assistant' conducted by UNSW, Sydney on 3rd September 2024 at Mumbai.
3. Participated in the Introductory Workshop on 'Connecting Dots.... The emotional Way' organized by IQAC, K. J. Somaiya College of Science and Commerce, Mumbai in collaboration with "Samvaad.....a dialogue" held between 12th to 15th June, 2024 at K J Somaiya College of Science and Commerce.
4. Participated in Higher Education Conclave organized by Mastersoft on 9th October 2024 at J W Mariott, Andheri, Mumbai.
5. Mentored a Research Project titled 'Study of indigenous phosphate solubilizing bacteria and fungi from agricultural soils and development of a consortium to replenish soil nutrients' in Agriculture and Animal Husbandry Category in PG Level at 19th Aavishkar : Intercollegiate/ Institute/ Department Research Convention

organized by Department of Student's Development, University of Mumbai at RamanandArya DAV college, Bhandup on December 12, 2024.

Invited as Resource person, judge, external examiner :

1. Resource person on 'Information and Communication Technology' for Short Term Course in Education (multidisciplinary) on the theme 'NEP 2020: Orientation and Sensitization Programme' under RUSA on 1st August 2024 organized by Department of Educational Technology, SNDTWU under the aegis of UGC Malviya Mission Teacher Training Centre, University of Mumbai.
2. Resource person on 'Technology for Learner Evaluation' for Refresher Course in Education (multidisciplinary) on the theme 'NEP 2020 : A pathway in Higher Education for inclusion' under RUSA on 13th July 2024 organized by Department of Special Education, SNDT University under the aegis of UGC Malviya Mission Teacher Training Centre, University of Mumbai.
3. Resource person on 'ICT for Teaching, Learning and Assessment' during the Workshop on Flipped Learning Pedagogy on 30th November 2024 organized by Sanjay Ghodawat University, Kolhapur.
4. Resource person on 'ICT for Teaching, Learning and Assessment' during the FDP on Flipped Learning on 27th February 2025 and 6th March 2025 organized by Sathaye College, Mumbai.
5. Resource person in one day FDP on 'ICT and Cooperative Learning Strategies in Teaching, Learning and Assessment' on 6th August 2024 and organized by K J Somaiya College of Science and Commerce, Mumbai.
6. Resource person in Career Opportunities online congregation under Career Katta on 23rd August 2024.
7. Resource person on 'CO-PO Mapping' on 12th April 2025 organized by Sathaye College, Mumbai.

- Judge for Literature Review Component Presentations at Sophia College on 2nd August 2024.

Academic Appointments in Other Colleges / University Of Mumbai :

- Vice Chancellor's nominee on Board of Studies in Microbiology, Vivekanand College of Arts, Science and Commerce, Chembur, Maharashtra.
- Vice Chancellor's nominee on Board of Studies in Microbiology, Sathaye College of Arts, Science and Commerce, Chembur, Maharashtra.
- Member of Board of Studies in Microbiology, VPM Bedekar College, Thane, Maharashtra.
- Member of Board of Studies in Microbiology, Bhavan's College, Andheri, Mumbai.
- Member of Board of Studies in Microbiology, St. Xaviers College, Mumbai
- Member of Board of Studies in Botany at Sir P T Sarvajanik College, Surat, Gujarat.
- Member of Board of Studies in Microbiology at Model College, Pune.
- Vice Chancellor's nominee on the scrutiny committee of CAS for Assistant Professor stage II to Assistant Professor Stage 3 in Microbiology at Birla college held on 21st February 2025.
- Subject expert on the selection committee for the interviews of Assistant Professor at SIRAC, Somaiya Vidyavihar, on 10th July 2024.
- Subject expert on the selection committee for the interviews of Assistant Professor in Microbiology/ Biotechnology at KC College, HSNC University on 30th July 2024.
- Subject expert on the selection committee for the interviews of Full time Assistant Professor in M.Sc Microbiology/ B.Sc Biotechnology at Vivekanand College on 18th July 2024.
- Subject expert on the selection committee for the interviews of Assistant

Professor (CHB) in Microbiology at Wilson college, on 11th June 2024.

- Subject expert on the selection committee for the interviews of Assistant Professor (CHB) in Microbiology at Wilson college, on 20th August 2024.
- Subject expert on the selection committee for the interviews of Assistant Professor in Microbiology at St. Xaviers College, on 26th and 28th August 2024.
- Subject expert on the selection committee for the interviews of Assistant Professor in Microbiology at Sathaye College, on 17th December 2024.
- External Subject Expert for Ph.D interview process on 3rd July 2024 at S K College of Arts, Science and Commerce, Somaiya Vidyavihar University.
- Subject expert on the selection committee for the interviews of Laboratory Assistant at Riddl, Somaiya Vidyavihar, on 5th February 2025.
- Chairperson and University nominee to evaluate the Ph.D. thesis of a Ph.D. scholar (Ms. Pinky Singh) from Haffkine Institute on 2nd January 2025
- D Y Patil Deemed To Be University: Appointment As Question Paper Setter For The University Oct / Nov 2024
- PET Examination Paper Setter at University of Mumbai, 2024
- KC College, HSNC University: Appointment As Question Paper Setter in Microbiology, 2024-2025

Awards Received :

- Dr. S. K. Somaiya Award for Excellence in Teaching - Higher and Technical Education on The Somaiya Foundation Day on 4th December 2024.
- Excellence in Teaching at ENCOMIUM by K J Somaiya College of Science and Commerce.

Dr. Soniya Shetty

Administrative Responsibilities :

- Convenor, Library development Committee.

2. Member, Question paper Review Committee.
3. Member, Board of Studies in Microbiology, K.J.Somaiya College of Science and Commerce

Member of other College/Committees:

1. Member, Research Promotion/ Development and Ethics Committee
2. Member, Mentor-Mentee committee.

Workshops/Seminars/Symposiums/FDP's attended:

1. Introductory Workshop on 'Connecting Dots.... The emotional Way' organized by IQAC, K. J. Somaiya College of Science and Commerce, Mumbai in collaboration with "Samvaad..a dialogue" held between 12th to 15th June, 2024 at K J Somaiya College of Science and Commerce.
2. Attended 'One-day Workshop on BARC technologies for Swachhata Mission' held on 06/03/2025 at BARC.
3. Participated in International Conference Illuminate Oncology Town hall 2.0 organised by Maharashtra medical council and Reliance Foundation Hospital on 8th-9th February, 2025.

Invited as Resource person, judge, external examiner :

1. Reviewed a paper for Annual Research and Review in Biology in September 2024.
2. External member of Selection committee for interview for the post of Young Professional at CIRCOT, on 26th August 2024.
3. Subject expert on the selection committee for the interviews of Assistant Professor (CHB) in Microbiology at Vivekananda college, on 11th July, 2024.
4. Invited as a **Judge** for Rangoli competition at SURBHI, organized by Cultural Forum.
5. External examiner for Semester V Practical Exam in Microbiology at St. Xavier's College, SIWS College, Vivekananda College and for Biochemistry at D. Y. Patil School of Biotechnology.

Mr. Shabib Khan

Administrative Responsibilities :

1. Co-coordinator of IQAC
2. Member of Academic Audit
3. CAS
4. ERP committees

Academic Appointments in Other Colleges/ University Of Mumbai :

1. Member, BoS in Microbiology at Birla College, Kalyan.

Workshops/Seminars/Symposiums/FDP's attended :

1. Completed a Refresher course in Basic Sciences (Interdisciplinary) organized by the MMTTC, Jamia Millia Islamia, New Delhi from 24th October 2024 to 8th November 2024.
2. Participated in an introductory workshop on Emotional Intelligence "Connecting Dots.....the Emotional Way" organized by the Internal Quality Assurance Cell of K. J. Somaiya College of Science and Commerce, Mumbai in collaboration with "Samvaad.....a dialogue" held between 12th to 15th June 2024 at K J Somaiya College of Science and Commerce.

Invited as an external examiner for :

1. Semester V B.Tech. Practical Exam in Biotechnology at D. Y. Patil School of Biotechnology, Belapur, Navi-Mumbai from 25-11-2024 to 27-11-2024.
2. Semester IV M.Sc. Practical Exam in Microbiology at KC College, Churchgate, Mumbai from 12-02-2025 to 14-02-2025.
3. Invited as External examiner for M.Sc II Semester Practical Exam in Microbiology at St. Xavier's College

Book chapter published :

1. Shabib Khan, Lolly Jain. *Bioprospecting of Biosurfactants Derived from Halophilic Organisms: An Eco-friendly and Sustainable Strategy*. Book name: Current Research on Bioprospecting and Its Applications ISBN: 978-81-980173-9-0. Page numbers 231-239.

Publisher-Dr. N.G.P. Arts and Science College.

Ms. Versha Peghwal

Administrative Responsibilities :

1. Member of the Information Cell
2. Member of the Competitive Examination Committee
3. Member of the Admission Committee
4. Member of Board of Studies in Microbiology, K. J. Somaiya College of Science and Commerce

Workshops/Seminars/Symposiums/FDP's attended :

1. Successfully completed the short term faculty development programme on OER under the Malaviya teacher training programme of UGC organized by MM-TTC-SNDTWU, Mumbai, from 27th May to 1st, 2024.
2. Successfully completed the Lab workshop on IP-Practical aspects conducted by IIT-Bombay from 17th - 22nd June, 2024.
3. Successfully participated in an Introductory workshop on Emotional Intelligence "Connecting Dots.....the Emotional Way" organized by the Internal Quality Assurance Cell of K. J. Somaiya College of Science and Commerce, Mumbai in collaboration with "Samvaad.....a dialogue" held between 12th to 15th June, 2024 at K J Somaiya College of Science and Commerce.
4. Secured "A" grade in a Refresher Course on "Recent trends in Biological Science" organized jointly by UGC MMTTC and K. J. Somaiya College of Science and Commerce, Mumbai from 24th June to 6th July 2024.
5. Attended Faculty Knowledge sharing program in association with ICFAI business school, Mumbai on Personal and Professional development-New age requirements for teachers on 12th July, 2024.
6. Completed One day FDP on 'ICT and Cooperative Learning Strategies in

Teaching, Learning and Assessment' on 6th August 2024 at K J Somaiya College of Science and Commerce, Mumbai.

Invited as Resource person, judge, external examiner :

1. Invited as a Judge for Bridal Makeup, organized by SURBHI-Cultural Forum Committee.
2. Invited as an External examiner for Semester V B.Tech. Practical Exam in Biotechnology at D. Y. Patil School of Biotechnology, Belapur, Navi-Mumbai from 23-11-2024 to 25-11-2024.
3. Invited as an External examiner for M.Sc Semester III Practical Exam in Microbiology at G.N.Khalsa College, Mumbai from 24-10-2024 to 25-10-2024.

Research contribution :

1. Mentored a Research Project titled "EPS from lactic acid bacteria : A Natural solution for food preservation" in Pure Science Category in PG Level at 19th Aavishkar : Intercollegiate/ Institute/Department Research Convention organized by Department of Student's Development, University of Mumbai at RamanandArya DAV college, Bhandup on December 12, 2024.
2. Mentored a Research Project titled "EPS from lactic acid bacteria : A Natural solution for food preservation" in UG level at 6th SRIJNA National level poster presentation competition organized by GNIRD on 28th February 2025 at G. N. Khalsa College, Matunga.
3. Published a Book chapter on : Phytase Enzyme: Advancements in Biotechnology for Agricultural and Nutritional Applications ISBN : 978-81-980173-4-5. Pg 26. Publisher-Dr. N.G.P. Arts and Science College.

Contribution in Sports :

1. Awarded as the best women of the match in the 6th TOSS Women's Cricket Tournament organized by Somaiya Sports Academy on 6th and 7th February, 2025.
2. Awarded as 2 runner up position in 6th TOSS Women's Cricket Tournament

organized by Somaiya Sports Academy on 6th and 7th February, 2025.

Ms. Poonam Shinde

Administrative Responsibilities :

1. Member of cultural committee.
2. Member, Board of Studies in Microbiology, K. J. Somaiya College of Science and Commerce.

Workshops/Seminars/Symposiums/FDP's attended :

1. Successfully completed the Lab workshop on IP-Practical aspects conducted by IIT-Bombay from 17th - 22nd June, 2024.
2. Successfully participated in an Introductory workshop on Emotional Intelligence "Connecting Dots.....the Emotional Way" organized by Internal Quality Assurance Cell of K. J. Somaiya College of Science and Commerce, Mumbai in collaboration with "Samvaad.....a dialogue" held between 12th to 15th June, 2024 at K J Somaiya College of Science and Commerce.
3. Secured "A" grade in a Refresher Course on "Recent trends in Biological Science" organized jointly by UGC MMTTC and K. J. Somaiya College of Science and Commerce, Mumbai from 24th June to 6th July 2024.
4. Completed 1 week FDP of MSFDA Capacity Building Programme for UG Teachers, from 25 th Sep to 30 th Sep 2024 at HBCSE.
5. Attended 'One-day Workshop on BARC technologies for Swachhata Mission' held on 06/03/2025 at BARC.
6. Completed One day FDP on 'ICT and Cooperative Learning Strategies in Teaching, Learning and Assessment' on 6th August 2024 at K J Somaiya College of Science and Commerce, Mumbai.

Invited as Resource person, judge, external examiner

1. External examiner for TYBSc SEM V Practical examination at S.I.E.S College, Mumbai.

2. Resource person to share insights and present research work at the Tiny Earth Partner Instructor training held at BioNest, Hyderabad, India, on October 24, 2024.

3. Invited as External examiner for T.Y.B.Sc Semester VI Practical Exam in Microbiology at Birla College.

Ms. Kiran Surve

Administrative Responsibilities :

1. Member of the Information Cell.
2. Member of CUBE committee.
3. Member of the Placement Committee.
4. Member of Board of Studies in Microbiology, K. J. Somaiya College of Science and Commerce.

Workshops/Seminars/Symposiums/FDP's attended :

1. Successfully participated in an Introductory workshop on Emotional Intelligence "Connecting Dots.....the Emotional Way" organized by Internal Quality Assurance Cell of K. J. Somaiya College of Science and Commerce, Mumbai in collaboration with "Samvaad.....a dialogue" held between 12th to 15th June, 2024 at K J Somaiya College of Science and Commerce.
2. Completed FDP on 'Training in ICT tools and Co-operative learning strategies in teaching and learning process' by Department of Microbiology of K.J Somaiya College on 9th August 2024.
3. Attended "Blooms Taxonomy" workshop conducted by Gurudakshata Committee on 20th August 2024.
4. Attended "POSH awareness Training.
5. Attended online BoS meeting for the TYBSc Microbiology NEP 2020 syllabus which will be implemented from 2025-2026 was conducted on 11th January 2025.
6. Attended the 3 day International conference "Illuminate Oncology Town Hall 2.0"

Invited as Resource person, judge, external examiner :

1. Invited as external examiner for T.Y.B.Sc Semester V and Semester VI examination at Bandodkar College.
2. Invited as moderator for Semester V at Bhavans College.

Ms. Tarannoom Khan

Administrative Responsibilities :

1. Member of Exam cell.
2. Member of Feedback Committee.
3. Member of Tarangan Committee.
4. Invited Member of BOS at department Level.
5. Swayam Co-ordinator at department level
6. Admission Committee work - MSc I admissions.

Workshops/Seminars/Symposiums/FDP's attended:

1. Attended the Introductory Workshop on 'Connecting Dots.... The emotional Way' organized by IQAC, K. J. Somaiya College of Science and Commerce, Mumbai in collaboration with "Samvaad.....a dialogue" held between 12th to 15th June, 2024 at K J Somaiya College of Science and Commerce.
2. Attended 3 Days FDP on Hands on Training on DNA Barcoding, from 20th - 22nd June 2024 at MVP's K.T.H.M College Nashik, in collaboration with National Facility for Biopharmaceuticals, Khalsa College Mumbai.
3. Attended faculty Knowledge Sharing Program in Association with ICFAI Business School, Mumbai on Professional and Personal Development - New Age requirements for Teachers on 12th July 2024.
4. Attended library orientation program for teachers on using the library database, on 19th March 2025.

Invited as Resource person, judge, external examiner

1. Invited as an examiner for MSc I Semester I, Regular practical examination of Microbiology students at SIWS college, on 10th, 11th and 12th February.
2. Invited as a paper setter for TYBSc Sem VI and MSc II theory examination for Medical Microbiology, Microbial Biochemistry, Applied & Environmental Monitoring & Management at Patkar Varde college on 16th February 2025.
3. Invited as an external examiner for Project viva of MSc II Semester IV, Microbiology students at Patkar Varde college on 2nd April 2025.
4. External lecturer of Applied Biochemistry for BSc Nursing students at K. J. Somaiya School/College of Nursing, Somaiya Ayurvihar.

Ms. Dhanashree Tambe

Administrative Responsibilities :

1. Member of Board of Studies in Microbiology, K. J. Somaiya College of Science and Commerce.
2. Member of Gurudakshata Committee.
3. Member of Mulyapravah.
4. Member of CAP.
5. Member of APAV.

Workshops/Seminars/Symposiums/FDP's attended :

1. "Blooms Taxonomy" workshop conducted by Gurudakshata Committee on 20th August 2024.
2. "POSH awareness Training -THE WHAT, WHY & HOW" by Internal Complaint Committee and IQAC on 25th Nov 2024.
3. BOS online meeting for the TYBSc Microbiology NEP 2020 syllabus which will be implemented from 2025-2026 conducted on 11th January 2025.
4. Attended orientation program on library databases 19th march 2025.

Ms. Sohini Dasgupta

Administrative Responsibilities :

1. Member of Academic Audit committee.
2. Member of Cube committee.
3. Member of International relations and Industry Collaboration committees.
4. Invited Member of BOS at department level.

Workshops/Seminars/Symposiums/FDP's attended :

1. FDP on 'Training in ICT tools and Co-operative learning strategies in teaching and learning process ' by Department of Microbiology of K.J. Somaiya College on 9th August 2024.

2. "Blooms Taxonomy" workshop conducted by Gurudakshata Committee on 20th August 2024.
3. "POSH awareness Training -THE WHAT, WHY & HOW" by Internal Complaint Committee and IQAC on 25th Nov 2024.
4. BOS online meeting for the TYBSc Microbiology NEP 2020 syllabus which will be implemented from 2025-2026 conducted on 11th January 2025.
5. Attended orientation program on library databases 19th march 2025.

Invited as Resource person, judge, external examiner :

1. Semester (V) B.VOC. Practical Exam in MLT at Vikas College of Arts, Science and Commerce, Vikroli (E), Mumbai-400083 from 24th to 26th October 2024.

Student Achievements and Participation

Awards					
Name of the Student	Class	Name of the Event	Name of the Award/Medal	Level	Date of the Event
Ms. Apeksha Jadhav	M. Sc II	MBSI Best PG Student Award	MBSI Best PG Student Award	Local	
Ms. Manasvi Sathye	M.Sc I	Avishkar	Poster Presentation	Inter-university	12 Dec 2024
Ms. Aanchalkhot	M.Sc I	Avishkar	Poster Presentation	Inter-university	12 Dec 2024
Mr. Sachin Shetty	M.Sc I	Avishkar	Poster Presentation	Inter-university	12 Dec 2024
Mr.Yash Joshi	M.Sc I	Avishkar	Poster Presentation	Inter-university	12 Dec 2024
Mr. Pushkar Tendulkar	M.Sc I	Avishkar	Poster Presentation	Inter-university	12 Dec 2024
Ms.AnnuYadav	M.Sc I	Avishkar	Poster Presentation	Inter-university	12 Dec 2024
Hemangi Rajput	M.Sc I	Digital Poster Exhibition	Exploring Recent Trends in Biology Local	Local	29 Aug 2024
		Smt. Sakarben K Somaiya Award for Somaiya Star Citizen	Smt. Sakarben K Somaiya Award for Somaiya Star Citizen	Local	4 Dec 2024

Jay Bhojwani	T.Y.B.Sc	MBSI Best UG Student Award	MBSI Best UG Student Award	Local	
Ms. Shruti Kamble	S.Y.B.Sc	Avishkar	Poster Presentation	Inter-university	12 Dec 2024
Ms. Binali Ambore	S.Y.B.Sc	Avishkar	Poster Presentation	Inter-university	12 Dec 2024
Ms. Noor-E-Ulfat	S.Y.B.Sc	Avishkar	Poster Presentation	Inter-university	12 Dec 2024
Ms. Iqra Khan	S.Y.B.Sc	Avishkar	Poster Presentation	Inter-university	12 Dec 2024
Ms. Ankita Gupta	S.Y.B.Sc	Anti-ragging Awareness	Poster Presentation (1st Prize - Digital Poster)	Local	26 Sep 2024
Swanandi Chavan	S.Y.B.Sc	Anti-ragging Awareness	Poster Presentation (2nd Prize)	Local	26 Sep 2024
		Fastest Girl Prize	Fastest Girl (Degree College) Prize	Local	14 Dec 2024
		400m Race	First Prize in 400m Category	Local	14 Dec 2024
		200m Race	First Prize in 200m Category	Local	14 Dec 2024
		100m Race	Second Prize in 100m Category	Local	14 Dec 2024
		Long Jump	Third Prize in Long Jump	Local	14 Dec 2024
Pardhi Riya	F.Y.B.Sc	Glass Painting	Vurksaham 2024 Glass Painting (First Prize)	Local	14 Dec 2024
		Poster Making	Poster Making on World Without Wars and Without Violence	Local	7 Dec 2024

Participation	
Class	No. of Students Participated
F.Y.B.Sc	28
S.Y.B.Sc	26
T.Y.B.Sc	12
M.Sc I	7

Department of Physics

Title : Echoes Across Time: Past Students Present Connections (Alumni interaction with present students)

Date : 01/07/2024

Description : The session aimed to motivate and guide current students on how to prepare for competitive examinations, with alumni Kush and Ashwin sharing their experiences. Kush, who cleared JAM 2023 and is now pursuing his MSc at IIT Jamshedpur, emphasized the importance of continuity in studies and focusing on strengths. He shared his notes and useful websites for solving numerical problems. Ashwin, pursuing his MSc at Delhi University, agreed on the significance of continuous study, highlighting that post-examination interviews require ongoing preparation. Both alumni addressed the doubts of current TYBSc students. Dr. Geeta Nair, Dr. Jitendra Pendharkar, Dr. Pallavi Raote and other faculty members also provided guidance, with Dr. Nair offering the formal vote of thanks. A total of 16 TY students benefited from the session.

Title : Demonstration of Physics Experiments

Date : 19/07/2024

Description : On 19th July 2024, the Department of Physics and Somaiya Center of Integrated Science and Education Research organized an interactive session on "Demonstration of Physics Experiments" by Dr. Jayant Joshi from BARC. The session commenced at 2:00 pm in the seminar hall, with a prayer followed by an introduction of the speaker by Dr. Manoj Mishra. Dr. Joshi explained fundamental physics concepts such as Pascal's Law, Bernoulli's principle, buoyant force, and pressure, using everyday objects. He demonstrated magnetism, Newton's laws, and the center of mass with simple tools, captivating the audience. The students were fascinated by demonstrations of Newton's cradle, ultrasonic vibrator, and plasma ball. The session concluded with a vote of thanks by Dr. Smita Survase. The event effectively showcased how simple experiments can bring complex

physics concepts to life.

Title : Women Safety in Modern Times

Date : 16-08-2024

Description : The program aimed to evaluate the current challenges and solutions related to women's safety, focusing on the effectiveness of existing safety measures, policies, and technologies. Mr. D. Sivanandan, retired IPS officer, former DGP of Maharashtra, and former Commissioner of Police, Mumbai, led the session. He discussed the alarming frequency of violence against women, including kidnapping, rape, and domestic cruelty, and emphasized the importance of enforcing legal protections. A significant portion of the talk was dedicated to the issue of workplace sexual harassment, urging better awareness and legal enforcement. Mr. Sivanandan also addressed the growing threat of cybercrimes targeting women, such as cyberbullying, cybers talking, and the misuse of technologies like deepfakes. He called for stricter regulations and enhanced digital literacy. He concluded by advocating for fast-track courts to ensure timely justice. The session, attended by 135 UG and PG students and 10 faculty members, encouraged active discussion on safeguarding women's rights and dignity.

Title : National Space day celebration

Date : 28/08/2025

Description : As a part of celebration of national space week, an online video of Dr Santosh Takle, Sr. Scientist BARC Mumbai was screened on 28th August 2024. Theme of National Space Day was "Touching Lives while Touching the Moon". Dr Takle said that his aim through this lecture was to create awareness about the facts of our Universe and Sky. National Space Day is celebrated to commemorate the successful landing of Chandrayaan on 28th August 2023. He also mentioned about the challenges in developing the scientific temper He gave a brief outline of ancient Indian astronomy. He explained the origin of universe and solarsystem. He also described the Milky

Way and Andromeda Galaxy. 23 tybsc physics students along with 2 faculty members enjoy the session.

Title : The Light Show

Date : 30/08/2024

Description : The aim of “The Light Show” was to popularize science, particularly Physics, by making learning fun and interactive. Organized by the Department of Physics at K. J. Somaiya College of Science and Commerce, the event focused on optics-based phenomena, featuring engaging demonstrations and games. SYBSc students led the exhibition, supported by enthusiastic FYBSc volunteers. The demonstrations included topics such as reflection, refraction, diffraction, interference, fluorescence, and the Rochester cloak, showcasing the concept of invisibility. Visitors, including students from local schools and colleges, enjoyed the interactive experience. Students played a key role in explaining concepts to schoolchildren. Provost Dr. Raghunath K. Shevgaonkar visited the event, commended the volunteers’ efforts, and encouraged them. The event inspired students to explore the wonders of light and science through hands-on learning. Around 550 students from various institutes like S M Shetty school, KJSIT, KJSSC, The somaiya School, S K Somaya Jr college etc. were visited the exhibition along with their faculty members.

Title : Aunbandha 2024 (Alumni Meet)

Date : 31/08/2024

Description : The aim of the alumni meet was to reconnect former students with their alma mater, share experiences, and strengthen the bonds between alumni and current students. The event, attended by around 44 graduates from 1986 to 2024, featured nostalgic moments and heartfelt exchanges. Retired professors were warmly greeted, and alumni expressed gratitude for their teachers’ inspiration. The cultural program included a bhajan by Arya (MSc student), guitar and violin recitals (TYBSc students + alumni), and Hindi poetry recitation by Dr. Jitendra Pendharkar. Held in the physics lab, the meet was a celebration of lasting connections and memories.

Title : Swap the Skills: Origami workshop “ Crafty Folds”

Date : 28/09/2024

Description : Origami is an art of paper folding. This form of art helps children to think creatively, improve their concentration, fine motor skills and make beautiful models of animals, birds, flowers etc with colorful papers following simple step by step instructions. In view of this, an Origami Workshop was conducted by Mr. Shree Bankar on 31st August 2024 at 12 noon in the Physics Laboratory. The Department of Physics has decided from this academic year to organize sessions where the resource persons will be students. The first session was conducted by our MSc-I student Mr. Shree Bankar. In this session, in a limited amount of time he showed in a very lucid manner to make a man, snake and infinity ball. Students appreciated this idea and few students expressed their wish to conduct the future sessions.

Title : “STRESS Management”

Date : 19/10/2024

Description : The stress management event aimed to help students cope with academic and personal pressures. It began with a prayer, followed by Dr. Smita Survase’s introduction and a keynote by Dr. Tushar Pradhan, who explained the origins and impact of stress. He highlighted the importance of managing stress through healthy habits and happy hormones. Mr. Shridhar Thoda led an interactive session where students shared stressors and practiced guided meditation. The event emphasized daily meditation for mental clarity. It aimed to raise awareness, teach effective stress-relief techniques, introduce meditation, and improve students’ academic performance and personal well-being. Around 74 UG students and 02 teaching members take benefit of this session.

Title : Guest lecture on “Bandgap Engineering Controlling where electrons go or don’t in semiconductor devices”

Date : 10/01/2025

Description : The guest lecture on “Bandgap Engineering” by Prof. Arnab Bhattacharya,

center director of HBCSE & Professor in Condensed matter Physics division at TIFR, introduced students to semiconductor fundamentals and the importance of band gaps in determining material properties. He explained how band theory differentiates conductors, semiconductors, and insulators, linking these concepts to real-world technologies like LEDs, solar cells, and transistors. Bhattacharya also discussed advanced topics such as quantum dots and 2D semiconductors, highlighting the interdisciplinary nature of the field. Attended by 160 students and 18 staff, the session sparked interest in condensed matter physics and inspired many students to pursue further studies and projects in solid-state physics and nanotechnology.

Title : Guest Lecture “Making of Milky Way”

Date : 13/01/2025

Description : The guest lecture titled “The Making of the Milky Way” by Prof. Mahesh Shetty, Dean Academics at Wilson College, offered students a captivating introduction to the formation and evolution of our galaxy. Held on 13th January 2025, the session explored key galactic structures such as spiral arms, the bulge, and the dark matter halo. Prof. Shetty’s engaging and accessible delivery helped demystify complex astrophysical concepts, sparking curiosity among the 109 student attendees. The lecture encouraged critical thinking about the universe and inspired interest in astrophysics, providing a valuable learning experience for both undergraduate and postgraduate students.

Title : Departmental Feast “Fizika”

Date : 10/01/2025 & 13/01/2025

Description : Fizika 2025 was a vibrant two-day intercollegiate event designed to engage students in the world of physics through interactive and academic activities, fostering critical thinking, creativity, and teamwork. Day 1 featured a Quiz Competition with 25 teams and an engineering challenge, Bob the Builder, involving 32 participants. Day 2 included an Essay Competition on “Digital Revolution: Education in the Age of AI,” along with Fizingo (physics-themed bingo),

a Hackathon, and a Treasure Hunt, engaging 52 students. Organized by TYBSc and MSc-I students and sponsored by Adani Foundation, Teaffee, and Playing with Beads, the event drew 177 participants from various colleges. The valedictory session celebrated achievements and highlighted the event’s success in blending academic rigor with fun, innovation, and collaboration. The activities in Fizika encouraged peer interaction through team games and enhanced students’ confidence, communication, and leadership abilities.

Title : Industrial Visit at “Surface modification technology and Quantamet”

Date : 21/02/2025

Description : An insightful industrial visit to Surface Modification Technology (SMT) was conducted with the objective of providing participants with practical knowledge of advanced coating processes, particularly Physical Vapor Deposition (PVD). The session began with a comprehensive overview of the company’s operations, the importance of coating technologies, and detailed explanations of the machines involved. Participants then visited the site to observe the functioning of various equipment and engage in discussions with industry experts who shared their professional experiences. A total of 17 individuals took part in the visit, including 3 undergraduate students, 9 postgraduate students, and 5 faculty members. The group also toured a second laboratory equipped with testing instruments and a fully automated coating machine. The concluding session included a Q & A segment, where queries were addressed by the experts, followed by a formal vote of thanks which was voluntarily done by PG students. This industrial visit successfully bridged the gap between theoretical concepts and real-world applications, providing an enriching learning experience.

Title : Field visit at “Tata Institute of Fundamental Research on occasion of Science day”

Date : 01/03/2025

Description : On 1st March 2025, ten FY and

SY B.Sc. students, accompanied by two faculty members, visited the Tata Institute of Fundamental Research (TIFR) during its Open Day. The visit offered students an enriching exposure to real-world science through interactive demonstrations and lab visits. Highlights included the Cryogenics Lab, where students experienced low-temperature phenomena, and the Glass Blowing Section, showcasing the art of crafting scientific instruments. They also explored the Mach-Zehnder Interferometer,

vaccine testing using zebrafish embryos, and bio-imaging techniques. The tour was concluded with a fascinating talk on quantum computing by Dr. R Vijayraghavan, who leads the quantum measurement and controlling laboratory at TIFR. Few students get a chance to interact with him personally. This was the most memorable part, leaving a lasting impression. The visit proved highly educational, motivating students toward scientific inquiry and innovation.



Department of Statistics

1. Invited Lecture : On 17th August 2024, Dr. Rahul Bawankule and Dr. Sirazul Sahariah from D.Y. Patil (Deemed to be University), were invited to share knowledge about **Demography and Career opportunities in Public Health**. There were around 56 participants including students from all the classes (F.Y, S.Y, T.Y. B.Sc.) as well as teachers. He explained in depth by giving a timeline about formation of various statistical institutions in India in pre and post-Independence era. Later he briefed us about various statistical institutions in our country like Central statistics office (CSO), National sample survey Office (NSSO), Indian statistical System (ISI), National statistical Commission (NSC); their respective roles, functioning, etc. Moving on he introduced to various organizations who are given the job to conduct Surveys in India starting with Census, then National sample Survey (NSS), Sample Registration System (SRS), Civil Registration System (CRS), National Family Health Survey (NFHS). Later Dr. Sirazul Sahariah spoke about career opportunities in public health and how statistics play important role in this sector encouraging students to take public health seriously. Some of the students from Statistics department have participated in Podhar college event named "Mathematrix". The winners from the competition were felicitated by department of statistics as a token of appreciation for their outstanding performance.

2. National Statistics Day: On 29th June 2024, the students of S.Y.B.Sc. and T.Y.B.Sc. celebrated National Statistical Day in the mark of 131st birth anniversary of India's most eminent statistician "**Sir Prasanta Chandra Mahalanobis**". Around 31 students attended the event. **Mr. Ajay Vasudeo Saraf** was invited as guest speaker. He is a Professional consultant for Statistical Analysis. He shared his knowledge about how statistics has been rising with increasing demand and problem-solving need in this modern world explaining students how they can choose statistics as a professional career. After chief guest lecture the toppers of academic year 2023-2024 (Statistics) were felicitated by chief guest for their outstanding performance in KJSSC followed by a presentation by SY and TY students on Bayes theorem and business analytics. Alumni talk was arranged to interact with students which made them feel comfortable clearing their doubts.

3. Ms. Arati Kore attended

- Attended sessions for understanding National Institutional Ranking Framework conducted by IQAC cluster on 24th August and 31st August 2024.
- Final Hour AQAR Filling workshop by IQAC cluster from 02nd Dec 24 – 04th December 24.
- Two-week Interdisciplinary Refresher Course in Recent Advancements in

Mathematics, Statistics and Computer Science conducted by Central University of South Bihar from 14th October to 26th October 2024.

- Guidance about scope in Statistics under Career Katta online session on 24th August 2024.

4. Ms. Namrata Nagwekar attended two-week Interdisciplinary Refresher Course in Recent Advancements in Mathematics, Statistics and Computer Science conducted by Central University of South Bihar from 14th October to 26th October 2024.

5. **Shankhya Shastra** : On 4th December, 2024 the students of UG statistics, organized an intercollegiate fest named **Shankhya Shastra** for all students of statistics and mathematics across various colleges of Mumbai. A total of 110 Students participated this fest. Mr. Pravesh Tiwari (Chief Manager - Data Scientist, Mahindra Finance, Mumbai,) was invited as honour of guest. His talk was based on the applications of statistics in data science, emphasizing its role in predictive modeling, machine learning, and big data analysis. This event

was Sponsored by Finventure (empowers traders with expert knowledge, training and strategies to succeed in the stock market). The fest also featured a series of exciting activities and competitions. Students enthusiastically participated in events like Stat-Fiesta, The Silent Murder, Stat Attack, Melody-Stats Challenge, and Statchamp Showdown, which tested their analytical skills and creativity. Alongside these competitions, cultural performances in the form of singing and dance added a lively atmosphere to the event. The Prize Distribution Ceremony, held at the end of the day, honored the winners and celebrated the participants' efforts and dedication.

6. **BoS meeting**: On Saturday 30th November 2024, BoS meeting was called to discuss T.Y.B.Sc. Statistics syllabus under NEP guidelines.

7. **“Statistical Analysis Using Excel” (one-credit course)** was organised by Department of Statistics in association with Geology department during 31st January to 14th February 2025.



Department of Zoology

1. Campus Trail

On 2nd August, 2024 a campus trail was conducted for students T.Y BSc and S.Y.BSc students at 8:00 am in Somaiya Vidyavihar Campus. The trail was organised in order to learn more about insects, their morphology, classification, etc. Places in the campus like the Biodiversity Garden, Nakshatra garden, etc had a major diversity of insects. Various butterflies like Tailed Jay, Blue Jay, Tiger butterflies, etc were spotted. Along with them many caterpillars of butterflies and moths were also spotted. Grasshoppers, beetles, Cocoons of butterflies and moths and many other things made the trail more interesting. Hands on knowledge about insect was gained by with help of naturalist.

2. Alumni Meet

An alumni meet was organized by the Department of Zoology in association with M.Sc Part 1 students on the 10 th of August 2024. The meet was organised with several fun events and fun games. The meet started as the alumni were greeted by our anchors with an introductory speech highlighting the joyous occasion and significance of the day. Ms. Paridhi Rathore and Ms. Jahnvi Upadhaye welcomed our esteemed guests and the entirety of the Department of Zoology. The highlight of the event was an interactive session where alumni shared their experiences and professional journeys. These stories not only motivated the current students but also inspired fellow alumni to collaborate and contribute to the institutions growth.

3. Field Visit-Juhu Beach

The Department of Zoology had organized a one-day field visit on 29th of March, 2025 to Juhu beach as a part of curriculum of MSc Zoology Part -I Practical DSE I. The aim behind this visit was to observe intertidal benthic fauna and to inculcate field observation skills and learning through it. Juhu Beach in Mumbai, while a bustling urban area, supports a surprising diversity of marine life, including molluscs, crabs, starfish, and even bioluminescent plankton, along with birds like herons and egrets. Students during this visit observe a variety of mollusc shells and some crustaceans. They also learned to use quadrat for benthic sampling and population studies. This visit was accompanied by Dr. Kanika Pahwa and Mr. Ram Salvi. A total of 11 students participated in the visit, 12 students from part I and 1 student from part II voluntarily participated.

4. Magical Mangroves

The talk on “Magical Mangroves” explored the importance of these coastal ecosystems. The session began by examining the adaptations of mangroves, highlighting their unique physiological and structural features that allow them to thrive in harsh intertidal zones. Discussions covered specialized root systems, salt-excreting leaves, and viviparous reproduction, showcasing their adaptability. The talk emphasized the rich biodiversity supported by mangroves, recognizing them as vital nurseries for numerous marine species, contributing significantly to local food webs and fisheries. The connections within the mangrove ecosystem, supporting a variety of organisms from invertebrates to birds, were explored. Furthermore, the economic significance of mangroves was addressed, emphasizing their crucial role in coastal. The talk highlighted their contribution to local economies through fisheries, tourism, and the potential for sustainable resource management. The session aimed to raise awareness about the increasing threats to mangrove ecosystems, including pollution, habitat destruction, and climate change, and stressed the urgent

need for conservation and sustainable management practices.

5. Visit to CIFE (Central Institute of Fisheries Education), Versova, Mumbai

Department of Zoology had organized one-day visit on 28th February, 2025 to ICAR-CIFE (Central Institute of Fisheries Education) Versova, Mumbai as a part of TYBSc Zoology, Sem VI . The Central Institute of Fisheries Education (CIFE) is an institution of higher learning for fisheries science in Mumbai, India. CIFE has over four decades of leadership in human resource development with its alumni aiding in the development of fisheries and aquaculture worldwide, producing notable contributions to research and technological advancements to their credit.

Students of T.Y.B.Sc Sem IV participated in the same, accompanied by Mr. Ram Salvi and Dr. Kanika Pahwa as Teacher co-ordinators and Mr. Bhushan Tukrul. The visit was scheduled from 10 am to 2:30 pm.

6. Movie Screening (Zoology Department)

On 22nd November 2024, a movie screening was conducted in the Seminar Hall of KJ SSC. To create awareness about the natural wonders of the wildlife. All the students from various departments joined the movie screening along with faculty. The whole seminar hall was full of enthusiastic audience. Also the movie focused on showcasing various wonders of wildlife and the fun event was successfully organised.

7. Annual Long Excursion to Dehradun

The Department of Zoology organised its annual Long Excursion to Dehradun from 08.01.25 to 14.01.25 with TYBSc and MSc students. The Excursion included several visits to Institutes and National Parks such as Rajaji National Park, Benog Wildlife Sanctuary, Wildlife Institute of India, Zoological Survey of India, Forest Research Institute. Field visits provide an immersive learning experience, encouraging active participation, observation, and critical thinking. They also offer a chance for students to interact with experts or local

communities, broadening their understanding of the topic at hand. These visits offered students the opportunity to connect classroom learning with real-world experiences. Overall, the field visit serves as a powerful learning tool, allowing zoology students to bridge the gap between theory and practice while fostering a deeper connection to the natural world and its conservation.

8. Annual departmental fest Zorilla - BIOVERSE

The Department of Zoology organised its annual intercollegiate department fest Zorilla on 03.12.25, from 8 am to 5 pm at Seminar Hall, KJSSC. The theme this year was BIOVERSE, which was based on the 'Biomes' on the Earth. The Fest showcased diversity and significance of the rainforests, tundras, grasslands, etc. It also highlighted the Flora, Fauna and environmental dynamics. We tried to educate students and teachers by organizing fun-filled games and versatile activities creating a lasting impact and awareness of Ecological Interconnections and the need to protect our planet's natural habitats. Also the events were highlights of the fest. There were fun and thrilling events like Fauna Race, Quest Invaders, Animal Bingo, Treasure hunt, etc. All the events were designed with respect to the theme and a large footfall of participants was observed. An exhibition, part of the fest, was organized by the Department. Moreover the theme was named 'BIOVERSE'. The exhibition was based on the theme 'BIOMIMICRY' which showcased how the PRESENT DAY INVENTIONS were inspired by NATURE. The fest was concluded by conducting a valedictory session and by felicitating all the deserving members, winners and core team.

The events like Fauna Race, Baaz ki Nazar (Wildlife Photography Competition), Treasure Hunt – Lucky Lakadbagha, Ladybug's luck, Animal Housie or Animal Bingo game– Paws for Applause – which was an online Pet Video Competition.

The valedictory ceremony began at 4.30 p.m. Prizes were announced, and the day ended with a Happy Group Photo of the many smiling faces.

9. One day field trip to Saguna Baug, Neral

As part of the newly introduced VSC course under NEP, this one day field trip was organized to Saguna Farm, Neral. We arrived at the farm by 9.30 am. After breakfast, the guided tour of the property began. The students were shown a live beehive and the social organization was explained, along with various aspects of bee keeping. Various medicinal plants and the process of essential oils extraction were shown. This was followed by visit to aviary where students saw exotic birds such as parakeets, cockatoos, emu and ostrich. Some reptiles were also shown. The highlight of the trip was pearl oyster culturing where the students could actually see how pearl oysters are reared for growing pearls. Various types of nets used in fishery were also shown and the students practically saw live catch of carps, rohu, piranhas etc.

10. Millet-Mania

On 14th August 2024, the Zoology club organised a Cooking Competition to create awareness about Millets. As it was an Offline event the participants of TYBSC Zoology had to cook a dish completely made of millets in the lab. The winners of this round were declared depending on the taste and presentation of their dish. The overall event was just a glimpse of how Millets can be used to create delicious dishes while making healthier choices for a better life.

11. World Mangrove Day' Celebration on 26th July

'World Mangrove Day' Celebration on 26th July, 2024 was conducted by Zoology Department, KJSSC from 10 am to 3 pm. The activity included 140 participants, including undergraduate and post graduate students from Zoology Department of KJSSC. The exhibition started with the presentation of sustainable models on Mangrove ecosystem. The TYBSc students presented posters and models with emphasis on adaptations, importance, significance of mangroves. The FYBSc and SYBSc students visited the exhibition and learned various aspects of mangrove ecosystem.

The learners also attended Seminar on Marine Diversity by Alumni of Zoology Department, Mr. Siddharth Waradkar.

12. Museum open day

On 22nd August, 2024 a museum open day was organised by the students of T.Y.B.Sc and respective faculty members. The students were divided into several groups and each group was allotted with a

particular group of animal specimens. Some were allotted with reptiles while some were allocated with insects or marine animals. The students exhibited these various animals in the TY lab and explained to everyone about it. Many students visited the exhibition and after 2 hours the exhibition came to an end.



Junior College

Department of Bi-Focal Electronics

“Electronics Project Exhibition 2024-25”

Event Title : Electronics Project Exhibition 2024-25

Date of Exhibition : 10th March, 2025

Venue : Electronics Lab

The Electronics Project exhibition for the academic year 2024-25 was successfully organized by the Electronics Department. The event was designed to showcase creativity and technical skills amongst the students.

The event was judged by

- 1) Mrs. Savita Godbole, Vice- Principal Madam
 - 2) Mr. Rohidas Kubal, Physics Department
- Participants displayed high levels of enthusiasm and confidence.
 - The exhibition was well-attended by students, junior college teachers, and senior college teachers.

Projects that were highlights of exhibition were

- Human Following Robot
- Footstep Power Generation
- Automatic Street Light
- Smart glasses for blind people
- Slayer Exciter Circuit
- Winners were announced and awarded prizes based on their innovation, creativity, and scientific merit.
- The valuable shared knowledge, insights and suggestions of Judges were quite helpful to students.

Conclusion :

The Electronics Project 2024-25 was a resounding success, highlighting the innovative spirit and technical skills of our students. The event provided a platform for showcasing talent. We extend our gratitude to all participants, judges, for their contributions towards making this event a memorable one.



Department of Biology

Bio Dyanamos 2024 – 2025

The biology departement this year conducted biology festival named Bio Dyanamos 2024 – 2025 in the month of october, 2024.

Two Activities were conducted –

1. Bio Bloom Rangoli – It was conducted on 3rd October, 2024
- Participants had to make rangoli based on biology topics using biological material

- No. of Participants – 47
 - No. of Winners – 5
2. Neuro Quiz – It was conducted on 10th October, 2024

Quiz was conducted in three rounds based on human brain and control & co-ordination

- No. of Participants – 117
- No. of Winners – 5



Department of Chemistry

Chemispark the fest of chemistry department junior college started with welcome and campus prayer followed by lamp lighting and inauguration ceremony on 14-10-24 in seminar hall.

First Day (14-10-24) Of Chemispark :

Experts Lecture : Professor Dr. Sugandha Shetye Madam And Dr. Nanabhau Karanjule Sir from K. J. Somaiya College Of Science and Commerce. Both the speakers gave information of New Software Chemdraw, uses of different instruments and scope

after HSC. That was interactive and interesting session.

Second Day (15-10-24) Of Chemispark Activity :

Quiz Competition : There were 3 rounds in this competition round 1 written test round 2 oral test and round 3 lottery based questions. winners were selected by aggregate marks in all 3 round. For SYJC Chemistry Department had moderators lecture as an activity which was arranged on 5-12-24 as guidance lecture.



Department of Commerce

Title : Commerce Day Celebration

Date : 5th August , 2024

Venue : Seminar Hall

Introduction :

Commerce Day was celebrated with great enthusiasm and zeal on 5th August, 2024 at Seminar Hall. The event aimed to recognize the importance of commerce and its contribution to the economy.

Programme :

- Welcome address by Mr. Krishna Shrivastav - Subject Incharge.
- Inaugural speech by Dr. Smita Paranjape - HOD of Commerce (Degree College)
- Cultural programs : Campus prayer & Prayer dance.

Motivational Speech by our respected vice principal Mrs. Savita Godbole madam & our supervisor Mrs. Jyoti Sawant madam.

Activities :

- CA guidance talk by CA. Prof. Vimal K. Ashar the talk highlighted
 - 1) Career insights
 - 2) Exam preparation
 - 3) Industry trends
 - 4) Networking opportunities
 - 5) Practical Advice
 - 6) Professional development

* Discussion on current trends and challenges in commerce.

* Conclusion :

The Commerce Day celebration was a grand success, with active participation from students, teachers, and guests. The event highlighted the significance of commerce and inspired students to pursue careers in this field.



Department of English

Elysian and Upstage Events

The Department of English has organised various competitions in the Academic year 2024-2025

This year opening of **ELYSIAN AND UPSTAGE** began with two competitions organised by ENGLISH department of K. J. Somaiya Jr. College of Science and Commerce. The Inauguration was done by our vice principal Mrs. Savita Godbole and supervisor Mrs. Jyoti Sawant. **Under Elysian**, the first competition named **'The Shuffle Prophecy'** was conducted, in which students were given flashcards of different animals, birds, species, characters, monuments, historical, mythological, religious places, incidents. On the basis of these flashcards, they have to write a story, scene or narration. In this competition many students took active part. Students really enjoyed this competition as it stimulated the creativity. The activity was conducted in the seminar Hall of the college on **15th October 2024**.

The second competition was conducted on the same day in the seminar Hall. **"Spell Bee"** was an innovative competition where the vocabulary skills, language skills were tested. Students were divided into Teams as the response was overwhelming. It was conducted in the seminar Hall on 15th October 2024. Students really enjoyed this event.

The senior teacher from Physics Department Mrs. Mary Anurekha judged both the events. She praised the Department for organizing various competitions to inculcate linguistic ability amongst them.

The department of English **under Upstage** organised two events in the second half of the Academic Year. **On 21st January, Tuesday, the English Literature Quiz competition** was conducted. Many students enrolled for this competition. Many rounds were held to test the general knowledge, reading, information about the Author, poetry, Novels, writing style etc. Another interesting event named **'Poetry Recitation'** was conducted on the same day in the seminar Hall. students recited famous poems. Few students recited self-composed poem. It was really a moment of joy to listen to them. The senior teacher from Physics Department, **Mr. Rohidas Kubal** was a judge for both the competitions. He acknowledged the efforts taken by students and teachers of English Department.

The cherry on the cake was when an enthusiastic group of students who voluntarily came forward to enact a scene from the first chapter of FYJC Textbook lesson named **"Being Neighbourly"**. It was very well performed by the students. The Act was mesmerising as students took a lot of efforts by doing several rehearsals.

We, the teachers of English Department make constant efforts to encourage our students to participate in all the literary competitions as it will help them in their future endeavours. In the process of organising **ELYSIAN AND UPSTAGE EVENTS**, we the English teachers tried to hone hidden skills and provide platform to showcase the talent of the students. Continuous support of all English teachers and volunteers made the competitions successful.

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Department of Geology

Under the activities conducted by departments, Dept. of Geology conducted Rock G festival two competitions and an exhibition on 9th of October 2024 in Geology lab and seminar hall in the college. The registration of 26 students were made and 20 of them participated in Poster making Competition. Topics related to Geology and Environment were given forehand and very enthusiastically students took part. The posters were exhibited in Geology lab and the event was inaugurated by Vice Principal and Supervisor of the Jr. College. The senior teachers of Jr. college were invited as judges and grace the occasion.

Simultaneously, there were exhibits of rocks, minerals and fossils displayed and several visitors-students and teachers learned about existence of the Earth.

There were spot prizes given to Quiz held in seminar hall on the same day evening and again students participated with enthusiasm and teachers also marked their presence.

The activity was highly appreciated and students volunteering learned to lead and enjoyed too.



ગુજરાતી અને સંસ્કૃત વિભાગ

ક. જે. સોમૈયા વિજ્ઞાન અને વાણિજ્ય મહાવિદ્યાલયમાં ગુજરાતી વિભાગ તરફથી દર વર્ષની જેમ ૨૦૨૪ અને ૨૫ માં પણ વિવિધ સ્પર્ધાઓનું આયોજન કરવામાં આવ્યું હતું. જેમાં ગુજરાતી વિભાગ માં નિબંધ લેખન સ્પર્ધા તારીખ ૮/૧૦/૨૦૨૪ ના રોજ આયોજન કરવામાં આવ્યું હતું. પોસ્ટર મેકિંગ કોમ્પિટિશન તારીખ ૧૦/૧૦/૨૦૨૪ ના રોજ આયોજન

કરવામાં આવ્યું હતું. અને ગુડ હેન્ડરાઈટિંગ કોમ્પિટિશન ૧૧/૧૦/૨૦૨૪ ના રોજ આયોજન કરવામાં આવ્યું હતું.

સંસ્કૃત વિભાગમાં પોસ્ટર મેકિંગ કોમ્પિટિશન તારીખ ૧૦/૧૦/૨૦૨૪ ના રોજ આયોજન કરવામાં આવ્યું હતું. ગુડ હેન્ડરાઈટિંગ કોમ્પિટિશન ૧૧/૧૦/૨૦૨૪ ના રોજ આયોજન કરવામાં આવ્યું હતું.



Gymkhana

Annual Sports

The academic year 2024-25 was yet another successful year for sports in K.J.Somaiya junior college of science and commerce. Students from both junior and senior colleges performed well at the inter-

collegiate, district and state level. Some students went ahead to participate at the national level. The highlights of great performances by the students are listed below.



हिंदी विभाग

क. जे. सोमैया विज्ञान एवं वाणिज्य कनिष्ठ महाविद्यालय के हिंदी विभाग द्वारा हर वर्ष नई नई प्रतियोगिताओं का आयोजन किया जाता है। उसी तरह इस वर्ष भी २०२४-२०२५ में विविध प्रतियोगिता का आयोजन किया गया था।

दिनांक २२- ०६- २०२४ को हिंदी के महान संत कवि कबीरदासजी की जयंती मनाई गई। इसमें कक्षा १२वीं के विद्यार्थी शामिल हुए।

दिनांक २१- ०९- २०२४ को 'हिंदी दिवस' के अवसर पर 'हिंदी पखवाड़ा' कार्यक्रम संपन्न हुआ। इस कार्यक्रम में नृत्य, संगीत, गायन, पपेट शो, पहेलियाँ, नुक्रड नाटक तथा हिंदी साहित्य के महान लेखक एवं साहित्यकारों के जीवन पर तरह-तरह के भाषण कक्षा ११वीं एवं १२वीं के विद्यार्थियों ने प्रस्तुत किए।

दिनांक १४- ११- २०२४ को कक्षा ग्यारहवीं एवं १२वीं के विद्यार्थियों के लिए 'हिंदी राष्ट्रभाषा' इस विषय पर 'पोस्टर मेकिंग प्रतियोगिता' का आयोजन किया गया था। इस प्रतियोगिता में कुल मिलाकर १९ विद्यार्थियों ने सहभाग लिया। इस प्रतियोगिता में ५ विद्यार्थियों को पारितोषिक मिला।

दिनांक १०-१२-२०२४ को 'काव्यपठन प्रतियोगिता' का आयोजन किया गया था। प्रतियोगिता का विषय था 'माँ'। इस प्रतियोगिता में कक्षा ११वीं एवं १२वीं

के विद्यार्थियों ने सहभाग लेकर मंच पर अपनी प्रतिभा का प्रस्तुतीकरण किया। इस प्रतियोगिता में कुल मिलाकर २१ विद्यार्थियों ने सहभाग लिया था। निर्णायकों ने अत्यंत कुशलतापूर्वक ५ विद्यार्थियों का चयन करके उन्हें पुरस्कृत किया।

हिंदी विभाग की ओर से ३०-११-२०२४ को 'निबंध लेखन प्रतियोगिता' का आयोजन किया गया था। इस प्रतियोगिता में कक्षा ग्यारहवीं के विद्यार्थियों ने अलग-अलग विषयों के निबंध पर अपने विचार लिखित स्वरूप में प्रस्तुत किए।

दिनांक १-१२-२०२४ को हिंदी विभाग द्वारा 'स्वरचित कहानी लेखन' प्रतियोगिता का आयोजन किया गया था। इस प्रतियोगिता में ४ विद्यार्थियों को पारितोषिक मिला।



मराठी विभाग

क. जे. सोमैया विज्ञान व वाणिज्य महाविद्यालयाच्या मराठी विभागातर्फे दरवर्षी विविध स्पर्धांचे आयोजन करण्यात येते. २०२४ -२५ यावर्षी 'पुस्तक परीक्षण स्पर्धा', 'काव्यवाचन स्पर्धा', 'अनुवाद लेखन स्पर्धा', 'निबंध लेखन स्पर्धा', 'वक्तृत्व स्पर्धा' अशा स्पर्धांचे आयोजन करण्यात आले होते.

डॉ. ए. पी. जे. अब्दुल कलाम यांच्या स्मृती प्रित्यर्थ मराठी विभागाने विद्यार्थ्यांसाठी पुस्तक परीक्षणाच्या स्पर्धेचे आयोजन १७ ऑक्टोबर २०२५ रोजी केले होते. या स्पर्धेत नामवंत साहित्यिकांच्या उत्तम साहित्य कृतींचे विद्यार्थ्यांनी परीक्षण केले. दिनांक ७ डिसेंबर २०२५ रोजी

निबंध लेखन व अनुवाद लेखन या स्पर्धांचे आयोजन करण्यात आले होते. दिनांक ९ डिसेंबर २०२५ रोजी काव्यवाचन स्पर्धेचे आयोजन करण्यात आले होते या स्पर्धेत श्री. नामदेव ढसाळ यांच्या कवितांचे सादरीकरण विद्यार्थ्यांनी केले. या स्पर्धेलाही विद्यार्थ्यांचा चांगला प्रतिसाद मिळाला.

विद्यार्थ्यांना व्यासपीठावरून बोलण्याची संधी मिळावी यासाठीच वक्तृत्व स्पर्धेचेही आयोजन दिनांक १० डिसेंबर २०२५ रोजी करण्यात आले होते. या स्पर्धेलाही विद्यार्थ्यांचा चांगला प्रतिसाद मिळाला.



Department of Mathematics

Maths Mania 2024-25 event was successfully held on October 16, 2024, in the Seminar Hall, KJSSC Jr. College, .

The event featured a welcome address by Mrs. Suwarna Suryawanshi, an address by Mr. Prashant Shah, a Power Point presentation on Pi (π), a quiz segment, two competitions (Poster Making and Brilliant Brain) which were Judged by Mrs. Kriti Thakker and Mrs. Sonali Talekar, an expert

interactive session by Professor Makrand Niphadkar and a poem recitation session.

The winners of the competitions received trophies, medals and certificates.

Overall, the event was a resounding success, achieving its objective of promoting mathematical awareness and enthusiasm among students while providing a platform for them to showcase their talents and interact with experts.



Department of Physics

Physikos Report 2024-25

PHYSIKOS is a forum organised by Department of Physics, Junior Collge for FYJC and SYJC students to showcase their talents, express their innovation and explore their knowledge in Physics.

The Power Point Presentation Competition was organised by the Department of Physics in Seminar Hall on 11th October 2024. Students were asked to prepare power point presentation on Discoveries or Inventions in the 20th /21st Century. 20 students participated in this event. Each student was given 3 minutes for their presentation.

The Poster Making Competition was also organised by the Department of Physics on 11th October 2024. The event was held in Physics lab.

The topics for Poster Making Competition were – Applications of Optics,

Astrophysics Marvels, Electromagnetic Waves and its Applications, Hazards of Cell Phone Radiation, Nanotechnology and its Applications, Climate Change, Physics in every Day Life, Superconductivity and its Applications.

Students were asked to express their ideas through drawings, paintings and sketches on above mentioned topics. Total 23 students participated in the competition.

The Guidance lectures on H.S.C. Board Physics practicals were conducted from

27th November, 2024 to 30th November, 2024. The goal was to make students aware of the mark distribution, teach them strategies for the H.S.C. Board practical exam, and share useful tips. About 90% of the students attended the guidance lecture. Every member of the Physics department worked hard to make this event a success.



Report on FYJC Orientation Program 6th August 2024

The FYJC Orientation Program for the academic year 2024 was conducted on 6th August from 10:00 AM to 5:00 PM in the Engineering Auditorium. The event was structured into three comprehensive sessions, designed to familiarize new students with the institution's academic and cultural environment.

The program commenced with a solemn campus prayer, followed by the ceremonial lighting of the lamp, symbolizing the pursuit of knowledge. A PowerPoint presentation was then showcased, providing an insightful overview of the college, its infrastructure, and its academic ethos.

Our esteemed Principal, Vice Principal, and Supervisor addressed the newly

admitted students, offering valuable guidance and encouragement for their academic journey. In addition to alumni sharing their experiences and insights, the event featured enlightening speeches by distinguished faculty members, including Satyendra Sir, Savita Moghe Ma'am, Radha Iyer Ma'am, Urmi Ma'am, our Councillor Shitija Sawant Ma'am, Dr. Ravindra Sir, Gupta Sir, a distinguished speaker from RIDIL, delivered an insightful session, enriching students with valuable perspectives.

The orientation program proved to be an informative and engaging experience, equipping students with essential knowledge and inspiration as they embark on their academic journey.



HSC Vocational (MCVC) Industrial Visit Report

The department of HSVC (Accounting and Office Management) had organized an Industrial visit on 12th December 2024 at Elastomer Rubber manufacturing Factory at Ambarnath. The purpose of the visit was to show the physical manufacturing process to students and enhance their knowledge. Students can co- relate with the theoretical knowledge imparted in classroom.

57 students were taken for the visit along with 3 teachers.

Activity Report

The department of HSVC (Accounting and Office Management) had organized An Interactive session with An Entrepreneur on 7th August 2024 in College seminar hall. The objective of this session was to make students aware of the challenges faced by an entrepreneur in real world and how to overcome it.

Our students benefited with the experience and the valuable information shared by an entrepreneur.



Tarang Report

The wonderful journey of Tarang 2024-25 began with its inauguration by our Vice Principal Mrs. Savita Godbole on the eve of Teacher's Day celebration. Tarang events commenced with students love and reverence for teachers in different languages on Teachers day. We also had entertainment programs, there were very exciting performances presented by our students. The Garba event on 5th October at Gargi plaza attracted both students and teachers. Tarang is a platform for our students to present their talent and skills. It gives opportunities to explore, compete and gain valuable experience. 165 students participated in various events and showcased their skills. Personality Contest was the first Tarang event which was held in three rounds like written Quiz, Oral presentation and judges round. 30 students participated in it and finally Mrs. Archana padgaonkar along with our very own Mrs. Savita Godbole. judged and shortlisted Master and Miss Tarang of 2024 based on various parameters on December 17. Music gives wings to the heart and soul; it takes us to the world of joy. On 16th December singing was held, it had solo and duet

singing, participants sang various songs from old to new. This singing competition was evaluated by external judges Mrs. Priya Naik and our own student Revati Mahajan judged our contestants and gave a very energetic performance on the day.

From 16th to 20th December, we had 10 events like Best out of waste, T-shirt painting, Mehendi, Sketching, Rangoli, Logo Designing, Cooking without fire, Mono acting, PPT presentation and Script writing. To judge these competitions we had our faculty members. The Dance competition was held on 19th December, 65 students actively participated with great zest and excitement. Students presented various dance forms like classical, hip hop, contemporary etc and they set the stage on fire with their energetic performances. Dance competition was evaluated by external judges Mrs. Ratna Ruparelia and Mr. Kaushik Bhoir. On 20th we had PPT presentation, the topic of presentation was Tarang Event 2024. The winners were appreciated on prize distribution Day 21st December.



Award and Reward Committee

Award and Reward Committee of our college under Mr. Krishna Srivastav as Convenor and Co- Convenor Ms. Deepa Ganatra tried to explore the intelligence and hidden talents of the students of Junior College. On the basis of marks of class X, curricular and extra curricular activities, sports and cultural activities, we invited applications in October-November 2024. Out of 83 applications, 26 were shortlisted and

semi-final round was held on 5th December 2024 and judged by senior teachers of college. 11 students were sent for the final round held on 8th December 2024. In the presence of Principal, Vice-Principal, Supervisor and Judge, 2 students were selected- Ms. Mythili Somaiya was awarded as "Best Student of the year" and Ms. Karthika Pillay was awarded as "Best Girl Student of the year".



Report of PTA Committee

The SYJC Parents Teacher Meeting was held on 14th September 2024 to discuss about rules and regulations, academics, HSC board examination, subject change, stress management etc. Total 318 parents came for the meeting. Parents engaged actively with all Speakers and had their queries effectively addressed.

The parents gave good feedback and expressed their gratitude towards college.

The FYJC Parents Teacher Meeting was convened on 26th October 2024 with an

impressive turnout of 470 parents. Event provided essential information regarding rules and regulations, academics, sports, stress management etc. Parents interacted actively with all Speakers and their queries were effectively addressed. Two parents were selected as PTA members in each division and executive committee was formed.

The parents were very happy and gave positive remark about college.



Seminar and Workshop Committee

Under the guidance of Principal madam, Vice-Principal madam and Supervisor madam, Seminar and Workshop Committee conducted C. A. guidance lecture by Prof. Vimal Kumar sir on 5th August 2024. An interactive talk session with entrepreneur by Mrs. Sampada madam was also

conducted on 7th August 2024. The committee also organised HSC guidance lecture series for XII std. students to provide them proper guidance for HSC board exam from 30th November 2024 to 17th December 2024. Students found it very helpful.



Department of Biochemistry



Seminar (Alumni talk)



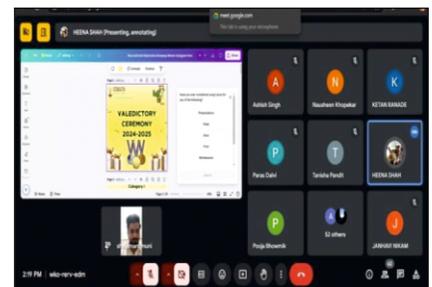
Workshop on "Yoga and Meditation"



Seminar on "Mind healing techniques"



Webinar on "Massage therapy"



Health fair



Nutritional awareness programme



Swasthya Mahotsav



Swasthya Mahotsav



Nukkad Natak



National Science Day Celebration

Department of Botany



Workshop on Paper Bag Making



Workshop on Natural Terrace Farming



Workshop on Microgreens



Workshop on RBPT



Visit to Vasantdada Sugar Institute



Participation in Exhibition organized by BMC N ward



Visit to Jijamata Udyan



Byculla Food Fest



Vruksham-24

Department of Chemistry



Seminar on “Principles of Green Chemistry”



Session on “Chemistry for 21st Century :
Innovations, Impact and Challenges”



A Guest Lecture on “Mental Health Literacy”



TYBSc and MSc Part II students with visited
Amulya Hub, Zirakhpur and Brahmanga
Hydropower Plant, Manikaran, Chandigarh



Workshop on “Effective resume writing”



Festival “Rasayan” on the theme
ancient Indian Chemistry



Workshop on “Making Eco-friendly colours”



Exhibition on “Discover the Science behind
Beauty : Cosmetic Chemistry Exhibition”

Department of Chemistry



Field project - Rural Immersion Program -
Visit to Village Aghaai



Workshop on "Organic Spectroscopy
Workshop - A Problem Solving Approach"



Seminar on "Unlocking the wonder of chemistry: your gateway to limited opportunities"



Educational Exposure Visit for Shirole
Ashram School Students, Aghai Village

Workshop on Fire Safety for
Non Teaching Staff



Chemistry alumni networking meet

Department of Commerce



Seminar on "Career opportunities in banking sector"



Commemorative day Raksha Bandhan Celebration



Poster Presentation on advertising



School Connect - Open Day



"AVSAR" - Commerce Fest



Walkathon on International Womens Day



Poster Presentation on Atma Nirbhar Bharat



Workshop on "How to write a Research Paper"



Ai's Integration in education



Visit to High Court



Chhatrapati Shivaji Maharaj Vastu Sangrahalaya, Fort

Department of Geology



A public lecture on "Integrating Multiple Proxies in Event Stratigraphy : A Holistic Approach with Micropaleontology"



Guidance on upcoming IIT (JAM) exam 2025



Swachhata Pakhwada



Geology Museum visit



ONYX



Carbon Capture Utilization and Storage



The Role of GIS and AI in self-driving cars



Field Visit in and around Bhuj, Kachchh



Museum visit to Crystal Cave India at PUNE

Department of Mathematics



Discussing algebraic topography



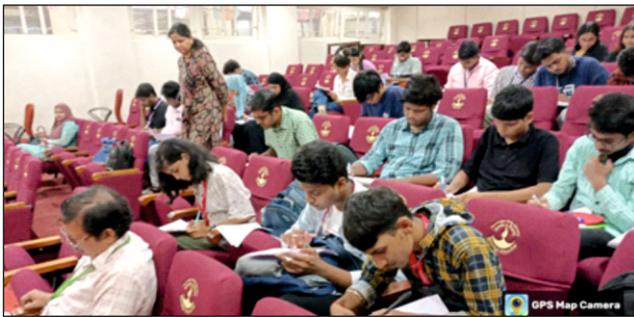
Discussing the applications of ' π '



Talk on Nonlinear Science



Hindi Diwas



Madhava Mathematics competition
Workshop in progress



Workshop on Tableau



Mathletics, The Harry Potter edition



Celebrating National Mathematics Day



Exhibition by the students on the
'Excel-lence of the Web'



Talk on Arithmetic function

Department of Microbiology



Refresher Course in Biological Sciences



Journal Club : Bacterial Pigmentation and Applications



The Gut Gang: bionics - Alive, Dead and Everything in between



Ten Mantras for Well-being



Inauguration of the revived Biogas plant



Unleashing Potential: The Path to Gender Equality



Microscope'24



Strategic Resume Writing: Position Yourself for Success



In Association with MBSI, Gut-Friendly Gourmet (Enriching Expression)



Industrial Visit to Goa

Department of Physics



Echoes Across Time : Past Students Present Connections
(Alumni interaction with present students)



Demonstration of Physics Experiments



The Light Show



Aunbandha 2024 (Alumni Meet)



"STRESS Management"



Guest lecture on "Bandgap Engineering Controlling where electrons go or don't in semiconductor devices"



Guest Lecture " Making of Milky Way"



Departmental Feast " Fizika"



Industrial Visit at " Surface modification technology and Quantamet"



Field visit at "Tata Institute of Fundamental Research on occasion of Science day"

Department of Statistics



Demography and Career opportunities in Public Health



National Statistics Day



Intercollegiate fest : Shankhya Shastra

Department of Zoology



Alumni Meet year 2024-2025



Field visit to Juhu Beach



Talk on "Magical Mangroves by Hemant Karkhasnis and Ms Shambhavi Chauvan



Academic visit of TYBSc Zoology, Sem VI students to CIFE (Central Institute of Fisheries Education), Versova, Mumbai



Dehradun, Rajaji National Park and Benog Wildlife Sanctuary



Annual intercollegiate department fest Zorilla



One day field trip to Saguna Baug, Neral



Seminar on Marine Diversity by Alumni Mr Siddharth Waradkar



Vice Principal visited Millet mania Fest

Junior College



Maths Mania - Brilliant Brain Competition



English - Poetry Recitation



Tarang - Annual Day



Tarang - Dance Competition



Biodynamos - Bio Bloom Rangoli



Chemispark - Inauguration & Guest Lecture

Junior College



Poster Making Competition – Gujarati Dept



काव्यवाचन स्पर्धा – मराठी विभाग



Poster Making Competition – Hindi Dept



Interactive Session with an entrepreneur – MCVC Dept



Electronics Project Exhibition – Electronics Dept



Rock-G- Geology Dept – Jr College



Commerce Day Celebration

PTA Committee



Felicitation of Best Students during annual function



Vice principal madam addressing the parents during PTA



Marathi Guidance lecture



Physics Guidance lecture



Committee Reports



Aavishkar Committee

Activities conducted:

- Session on 'Aavishkar- A research project in commerce' by Dr. Jyoti Jangir, Head, Aavishkar Committee, Model College on 14th August 2024
- Session on Honing your presentation skills by Dr. Parvathi JR on 4th December 2024
- Session on 'Mentorship for Aavishkar 2024' by Dr. Sasikumar Menon, Prof. Sunita Shailajan on 5th December 2024.
- Session on 'Mentoring for Aavishkar Finalists' by Dr. Parvathi JR on 13th December 2024

Outcomes:

- 24 teams and 60 students participation this year.
- 7 projects qualified for Zonal round podium Presentation.
- 5 Projects qualified for Final round Poster presentation.
- 3 Projects qualified for Final Podium presentation.
- One Gold medal, Two Bronze medals at University of Mumbai level.
- One Project selected for participation at State Level.



Alumni Association

The Alumni Association of K. J. Somaiya College of Science and Commerce had an eventful and inspiring academic year 2024–25, marked by vibrant interactions, institutional support, and meaningful engagement with former students.

The year began with the 9th Annual General Body Meeting of the Alumni Association, held on Saturday, 10th August 2024, at 1:30 p.m. in the Board Room on the ground floor of the college. This meeting marked the completion of the previous committee's term and the beginning of a new chapter, with elections held to appoint fresh members. A new Managing Committee and an Advisory Committee were constituted to steer the future of the association with renewed enthusiasm and strategic vision.

The Managing Committee comprises Dr. Pradnya Prabhu (Principal), Dr. Chitra Kamath (Co-ordinator), Solicitor Vishwanath Mannadiar, Mr. Venkataraman, Dr. G. S. Rao, Mr. Sachin Sankpal, Mr. Sachin Fegade, Mr. Imran Siddique, and Ms. Manjula Nair. Supporting them in an advisory capacity are Dr. Ranjan Mogre, Dr. Sugandha Shetye, Ms. Anushree Sukhi, Dr. Druman Utekar, Dr. Rikhil Shah, and Mr. Pradeep Kumar Nair. During the meeting, two key sub-

committees were formed: one focused on outreach to strengthen alumni participation, and the other dedicated to fundraising efforts. Solicitor Vishwanath Mannadiar suggested organizing ticketed alumni events as a practical and sustainable way to generate funds for institutional development.

A major highlight of the year was the grand Alumni Reunion held on 10th August 2025 at 3:00 p.m. in the Kalidas Sabhagriha of K. J. Somaiya College of Arts and Commerce. The event began with a beautiful campus prayer, followed by a cultural program themed "Meghdoot." Principal Dr. Pradnya Prabhu delivered the welcome address and urged alumni to deepen their connection with the college and contribute to its continued growth. Dr. Chitra Kamath, the Alumni Association Co-ordinator, thanked all alumni for their enthusiastic participation and support. Adv. Mr. Vishwanath Mannadiar emphasized the evolving role of alumni in the context of changing academic policies and stressed the importance of their active involvement. The cultural evening came alive with soulful musical performances by Mr. Parin Mehta, Mr. Manish Rajak, Ms. Swati Rajak, Mr. Ganesh Patange, Ms. Nopoor Kurulkar, Ms. Shradha, Mr. Siddhart Rane, Dr. Ranjan

Mogre, and Mr. Shekhar Bagayatkar. The event was seamlessly coordinated by Mr. Sachin Fegade. Vice-Principal Mr. Subhash Krishnan felicitated the alumni, and Dr. Sugandha Shetye delivered the vote of thanks. The memorable evening concluded with refreshments served at 5:30 p.m.

The Association also hosted several intellectually stimulating sessions under the ongoing lecture series titled *“Enriching Expressions.”* One such session was delivered by Mr. Parshurami, a seasoned professional from Nagase India Pvt. Ltd., who shared his rich experience in the fields of Active Pharmaceutical Ingredients, personal care chemicals, and specialty chemicals for sectors including automotive and electronics. He offered insightful commentary on the influence of Japanese management principles, highlighting their emphasis on discipline, work ethic, and cultural values in professional life.

Another significant session in the same series was organized in collaboration with the Department of Chemistry on Saturday, 24th August 2024. The session, titled *“Introduction to Patents and Patent Search,”* was conducted by alumnus Dr. Rikhil Shah. Held in the college’s Seminar Hall, the session commenced with a prayer and a welcome by Dr. Sugandha Shetye, who also felicitated the guest. Dr. Shah explained the various types of intellectual property, focusing in detail on what qualifies for a patent and the procedures involved in patent filing and grant. He also conducted a hands-on training session, where

students practiced searching for patents based on assigned topics. This engaging session was highly appreciated by both students and faculty members for its practical relevance and clarity.

The Association also promoted health and sportsmanship through the much-anticipated Alumni Antics sports event held on 14th December 2024. The event coincided with the college’s Annual Sports Day and saw active participation from former students. Out of 36 registrations, 21 alumni participated enthusiastically in activities such as the 100-meter running race, tug of war, and the cone agility drill. The event was organized under the guidance of Dr. Ravindra Kumar Singh, whose coordination ensured a smooth and memorable experience. The lively atmosphere rekindled fond college memories and reinforced the spirit of community. Winners were honored with certificates and prizes, ending the event on a high note of celebration and togetherness.

In summary, the academic year 2024–25 proved to be vibrant and productive for the Alumni Association of K. J. Somaiya College of Science and Commerce. Through a blend of administrative engagement, cultural celebration, academic enrichment, and sportsmanship, the association succeeded in deepening alumni ties and reaffirming its commitment to the growth of its alma mater. The college looks forward to continued collaboration and contribution from its ever-growing alumni community.



Career Katta

Title - Two Days State Level Career Katta Session

Date - 12th and 13th January 2025

Description - The Career Katta unit of KJSSC attended a two-day state-level session on 12–13 January 2025 at Sharadabai Pawar College, Baramati. Seven students and three faculty members participated in sessions by IAS officers and entrepreneurs, and visited

farmlands showcasing Israeli agricultural technology.

Title - Interaction with IPS officer

Date - 8th August 2024

Description - Six Career Parliament students of KJSSC interviewed Mr. Altap Shaikh, Assistant Director, Indian Corporate Law Service. He shared insights on his

career, corporate laws, and inspired students with his experiences and dedication to public service.

Title - Financial Literacy

Date - 18th December 2024

Description - A seminar on financial literacy was conducted by DLLE & Career Katta, covering key topics like saving, investing, budgeting, and credit management. Students actively participated, asking questions related to investments and personal finance. Real-life examples and practical tips were shared to enhance financial understanding. A total of 22 participants benefited from the session.

Title - Vidyarathi Sawand Upakram

Date - 23rd September, 2024

Description - Mr. Yashwant Shitole, President, MITSC delivered an engaging talk on using mobile phones for learning and communication. He urged students to spend at least three hours daily on educational apps like those on the Career Katta portal. The session positively impacted 110 students.

Title - Constitution of Career Parliament

Date - July 16th, 2024

Description - The Career Katta unit of KJSSC established the 'Career Parliament' on July 15, 2024, selecting ten second-year students for key roles. An oath-taking ceremony was held on July 16, and their tenure will span the 2024-25 academic year.

Title - Documentary Making Competition

Date - September, 2024

Description - The Career Katta organized state level documentary making competitions in the month of September 2024. Our career parliament student Sis. Gauri Gholap secured third rank in Mumbai district.

Our college awarded with best college-first prize in Mumbai district.

Dr. Pradnya Prabhu awarded with fifth as excellent principal coordinator in the state.

K. J. Somaiya College of Science and Commerce was awarded with Centre of Excellence with B grade Dr. Amol Pawar was awarded with First rank-college coordinator Mumbai district



Cultural Forum and Marathi Vangmay Mandal

1] Shiv-Rajyabhishek Din was celebrated on Thursday 6th June 2024 at 10.00 am in the Seminar Hall of our K J Somaiya College of Science and Commerce by students and staff.

The event was started with campus prayer sung by Mr Aaditya Palande. The introduction was given by comparer of event Ms Riddhi Bhanse. Later Mr Aaditya Palande recited Shiv garjana.

The basic information about Shiv Rajyabhishek, need for it and information about various important events in the life of our dear Chhatrapati Shri Shivaji Maharaj was given by Dr Jitendra Pendharkar. There was short question answer session also conducted by him about various forts and related important events.

2] Guru Poornima : 20th July 2024 at 9.30 am

The Guru Poornima event was celebrated on Saturday 20th July 2024 in the Seminar Hall of our college. The program started with campus prayer recited by Ms Medhavani Khare mam. The Vice Principal Mr Subhash Krishnan Sir was felicitated in the hands of Dean Student welfare Ms Chitra Trehan mam. The speech was given by Chitra mam explaining importance of punctuality, hard work and other values. Other teachers like Aarati Kore mam, Ms Wagh mam also expressed their views on importance of guide in life.

Students performed group dance and singing on various aspects of importance and qualities of Guru. Students gave vote of thanks at the end.

3] Inauguration of Cultural forum and Marathi Vangmay mandal :

The Inauguration was celebrated on 8th August 2024, started with the campus prayer followed lighting of lamp by Principal Dr Pradnya Prabhu. Principal gave her inaugural speech and declared the inauguration of Cultural forum and Marathi Vangmay Mandal. The speech was followed by various performances by students like singing, Skits, Solo dance, group dance and instrumental. Vote of thanks was given by CS Omkar Medhekar and Asmita Pramukh Divya Deherkar. Over 160 staff and students were present for this event in the seminar hall.

4] The Krishna Janmashtami celebration was organized by, Marathi Vangmay Mandal, on 28th August 2024 from 9.30 am in the Seminar Hall of our college. The program started with Campus prayer. Then student performed solo and group dance based on theme. Skit was performed by group of students for spreading awareness of real meaning of Dahi Handi. There was instrumental performance also. At the end quiz was kept for students. The program was ended with vote of thanks by students. There were more than 120 students took part in this event.

5] The Ganesh Chaturthi was celebrated in our college of students of cultural forum on 4th September 2024. The Lezim dance was started at the gate of our college at 9.30 am. Then all students were assembled in the Seminar Hall. The program was started with campus prayer. Students recited two Aartis of lord Ganesha. Ms. Aishwarya and Ms. Vikashanka performed Semi classical dance followed by group singing. Ms. Rakshabha performed solo dancing with sword. Short film was shown for students showing celebration of Ganesha festival in Mumbai. Then there was group dance by Yahvi and group, followed by instrumental music by Joshua and group. Then there was quiz session. The program was ended by Vote of Thanks by Mr. Omkar Medhekar the CS of cultural forum.

6] Garba Event : 5th October 2024.

The Garba event was celebrated by students and staff on 5th October at Gargi Plaza. It was organized in collaboration with student council and cultural forum. More

than 200 students and staff participated in the garba.

7] CL Meet for Phoenix by Cultural Forum : 26th October 2024.

The Contingent Leaders' Meet for Phoenix was a successful and engaging event, providing a comprehensive introduction to the upcoming fest - Phoenix.

The meet began with introductory sessions, followed by a series of vibrant cultural performances, including a prayer, Ganesh Vandana, instrumental music, and dance, setting an energetic tone. The theme for Phoenix- Wed-o-mania, was revealed, and an overview of the event was presented.

Brochures covering various categories- Literary Arts, Fine Arts, Performing Arts, and Special Events-were introduced to the contingent leaders. Engaging PR games and interactive activities added to the enthusiasm, along with an auction that brought excitement to the meet. The event concluded with a vote of thanks and refreshments, leaving everyone motivated for the fest ahead.

8] CL Meet for ASMITA by Marathi Vangmay Mandal :

On October 29, 2024, the Marathi Vangmay Mandal hosted a CL Meet in the KJSSC seminar hall, from 9.00 a.m. The program opened with the Somaiya campus prayer, setting a reverent tone before a short film was presented on "ASMITA 2024-2025." This was followed by an introduction to this year's theme, "MAITRA," which sparked notable enthusiasm among students. Students captivated the audience with dance performances aligned with the theme and brought meaningful entertainment through thought-provoking dramas. Additionally, heartfelt songs were performed, artfully expressing the concept of friendship across varied relationships. Ms. Divya Deherkar and Mr. Mayur Madhav, student coordinators of the Marathi Vangmay Mandal, outlined the diverse competitions and guidelines under "ASMITA 24-25". Dr. Jitendra Pendharkar, the committee convener, Concluded the event by extended his gratitude and encouraged all CL participants to inspire their peers to actively participate in the upcoming "ASMITA 2024-2025" competitions.

9] Maharashtrai Khadya Jatra and Theme reveal :

The banner reveal event and Khadya-Jatra was organized by Marathi Vangmay Mandal on 4th December 2024 in the morning session in front of the gate of college. Various Maharashtrai dishes were prepared by students and sold by students. Everyone liked the taste and also appreciate variety of food. The dishes like Puranpoli, Solkadi, Modak, Thalipeeth, Kothimbir wadi etc were kept. The banner reveal was celebrated by everyone. The theme of Asmita for this year was Maitra.

10] Surabhi - 18-19 December 2024 and Cultural Days :

The Surabhi was intra collegiate cultural competition organized by cultural forum on 18-19 December 2024 in our college. Various competitions like Mehendi, Rangoli, solo singing, solo dance, group dance, essay competition etc were conducted. College days were also celebrated from 17-24th December. Mr. and Ms. Surabhi were also organised in three rounds. The last round was conducted on Annual day that is on 24th December. Mr. and Ms. Surabhi were Mr. Swayam Palekar and Ms. Tanishq Kumar respectively.

11] Asmita 20-21 December 2024.

Asmita was intercollegiate competition organized by Marathi Vangmay Mandal on 20 and 21st December 2024. The theme was Maitra. Almost 25 colleges took participation in Asmita. Various competitions like solo singing, group dance, Rangoli, Face painting, photography, reels making etc were organized. Mr and Ms Asmita competition was also organized. Mr and Ms Asmita were Mr Swayam Palekar and Ms Riya Kamble. The over best college Trophy was won by Ruia College.

12] Phoenix - 20-21 December 2024.

Phoenix was intercollegiate competition organized by Cultural Forum on 20 and 21st December 2024. The theme was Wed o Mania. More than 10 colleges took participation in Phoenix. Various competitions like solo singing, group dance, Rangoli, Matka painting, photography, Invitation Card making etc were organized. The over best college Trophy was won by Lala Lajpatrai College.

13] Annual Day- 24th December 2024.

Annual day of college was celebrated on 24th December 2024 in the Engineering Auditorium from 9.30 am. The annual day was started with campus prayer and then inaugurated by lighting of lamps by student and faculty. Various cultural events like skit, solo dance, group dance, instrumental music was organised. The third round of Mr and Ms Surabhi was also conducted. Awards were given to Surabhi winners and also to NCC, NSS students and students excel in sports. Awards were given to students who won in inter collegiate competitions and Youth fest. The best student award was given to Ms Pearl Correia. Various awards were given to staff for their achievements.

14] Vachan Sankalpa Maharashtra : 1st January to 15th January 2025:

1] Vachan Parisamvad:

Venue : Chemistry Seminar Hall, K J Somaiya College of Science and Commerce.

Date : Thursday 9th January 2025

Time : 9.30 am.

K. J. Somaiya College of Science and Commerce has organized Vachan Parisamvad on Thursday 9th January 2025 at 09.30 am in the Chemistry Seminar Hall of college. The speaker was Dr. Jitendra Pendharkar. He published book on poetry and also invited at All India Radio for various programs related with poetry. The speaker discussed importance of reading and writing. Students also shared type of books read by them. Some students also recited poems. There were good discussions on reading habits and importance of writing. There were 39 students present for this session. We are thankful to University and Government for initiating such thoughtful events for students.

2] Vachan Kaushalya Karyashala:

Venue : College Seminar Hall, K J Somaiya College of Science and Commerce.

Date : Saturday 4th January 2025

Time : 10.30 am.

K J Somaiya College of Science and Commerce has organized Vachan Kaushalya Karyashala on Saturday 4th January 2025 at 10.30 am in the Seminar Hall of college. The

speaker was Dr. Jitendra Pendharkar, Dr. Smita Paranjape and Ms Medhavini Khare. Speakers presented various books of different topics and genre. They explained importance of reading books. Different styles required for reciting different poems based on different meters were explained. Glimpse of different styles of books were explained by reading few paragraphs. Students also shared gist of recent books under reading. It was very interactive session. This session was ended with snacks and discussions. We are thankful to University and Government for initiating such thoughtful events for students.

3] Grantha Dindi:

Venue : College Gate and Campus.

Date : Saturday 4th January 2025

Time : 9.30 am

K. J. Somaiya College of Science and Commerce has organized very vibrant event Grantha Dindi on Saturday 4th January 2025 at 9.30 am. The "Grantha-Dindi" was decorated with colored cloths, flowers and Garlands. Various books on topics like books on Philosophy, Science and Literature etc. were placed in it. The importance of book reading were informed and then precession was begin with Lezim Pathak. Students, teachers and non-teaching participated in this Grantha Dindi. It was truly unique experience received by everyone involved. We are thankful to University and Government for initiating such thoughtful events for students.

15] Marathi Bhasha Sanvardhan Pandharavda : 14th January-28th January 2025.

1] Book Exhibition - Marathi books

Venue : Library, K. J. Somaiya College of Science and Commerce.

Date : Wednesday 15th January 2025.

The Book Exhibition was kept on the occasion of Marathi Bhasha Pandharavda on Wednesday 15th January 2025 in the college library. The students were informed by circulating a flyer made for book exhibition. Many students took interest and read few books in the library. It was very good experience for students. The photos and attendance were taken.

2] Kavya Vachan : Mala Aavdileli Kavita.

Venue : Display Galary, First floor.

Time : 9.30 am.

To celebrate "मराठी भाषा संवर्धन पंधरवडा," The Marathi Wangmay Mandal organized a "Kavya Vachan" event on January 18, 2025, in the KJSSC Display Gallery, starting at 9:30 a.m. The event, attended by 26 students . It was a delightful celebration of marathi poetry, aimed at inspiring creativity, fostering linguistic pride, and encouraging participants to express their thoughts and emotions through the beauty of the Marathi language.

The competition witnessed enthusiastic participation, with students reciting poems on diverse themes such as आभाळाची आम्ही लेकरे, आयुष्याला द्यावे उत्तर, सागराने नाविका मनी, अनाम वीरा, सेटल, नेहमीच नसत अचुक कुनी.

Dr. Jitendra Pendarkar, the committee convenor, expressed heartfelt gratitude to all participants and attendees and encouraged students to actively engage in upcoming events to further celebrate and promote the richness of the Marathi language.

3] Shodh Pratibhecha - in collaboration with Maharashtra Times :

Venue : Seminar Hall of college.

Time : 10.00 am.

21st January 2025 - Shodh Yuva Pratibhecha in collaboration with Maharashtra Times :

The literary horizon of Marathi literature, illuminated by the creative brilliance of luminaries like Kusumagraj, B. B. Borkar, Vinda Karandikar, and Vasant Bapat, found a harmonious blend in the poetry inspired by the young students' creative expressions. In this backdrop, the "Maharashtra Times" organized the "Shodh Yuva Pratibhecha" (Search for Young Talent) competition, held at K. J. Somaiya Science and Commerce College, in collaboration with the college's Marathi Literary Association (Marathi Vangmay Mandal) and Popular Prakashan. Ms Samruddhi Bhoite secured the first prize, while Ms Vaishnavi Shelar won the second prize. This competition, aimed at providing a platform for college students' creativity, primarily focused on self-composed or self-written literary pieces.

Dr. Jitendra Pendharkar, coordinator of the Marathi Literary Association, emphasized the importance of reading, stating that it enhances intellectual maturity and brings profound insights. Mr. Aditya Davne presented his romantic poem 'Tujhe Maze Nate Sang' and encouraged students to cultivate a friendship with literature, highlighting its numerous benefits. He appreciated the "Maharashtra Times" initiative for fostering a movement of cultural engagement. The event concluded with Samruddhi Bhoite and Vaishnavi Shelar being awarded for their outstanding performances. College Principal Dr. Pradnya Prabhu extended her best wishes to the "Maharashtra Times" for this commendable initiative.

4] Essay Writing Competition :

Venue : College Students are expected to submit written essays.

Time : Last date of submission was 27th January 2025.

The essay competition was organized by Marathi Vangmay Mandal. Students are expected to write essay in 500-700 words on 'My favorite destination'. The winner of this competition was Ms Samrudhi Rajaram Khandekar (S.Y.B.Sc). The winner received certificate.

5] Handwriting competition :

Venue : College Students are expected to submit written paragraphs of at least 10 lines.

Time : Last date of submission was 28th January 2025.

The handwriting competition was kept for students. Students are expected to write at least 10 lines from the Marathi book of their choice. The first and second winner of this competition were Ms. Manali Kishore Kumthekar (FYBSc) and Ms. Samrudhi Rajaram Khandekar (SYBSc) respectively. The winners received certificate.

16] Shiv Jayanti :

On the occasion of Chhatrapati Shivaji Maharaj Jayanti, the Marathi Vangmay Mandal organized an E-Poster Presentation Competition on 20th February 2025 at 9:00

AM in the seminar hall of the college. The event commenced with a campus prayer, followed by a powerful performance of 'Shiv Garjana'. Students performed a medley of songs that vividly depicted the birth and rise of Chhatrapati Shivaji Maharaj. Subsequently, participants of the competition presented their digital posters, showcasing the glorious life and legacy of Chhatrapati Shivaji Maharaj. In addition, the faculty members spoke about various aspects of Shivaji Maharaj's life, shedding light on his leadership, valor, and contributions to history.

17] Marathi Bhasha Gaurav Din : 27th February 2025.

Program started with a college prayer and Maharashtra Geet. Dr. Jitendra Pendharkar Welcome the gathering. He explained the importance of the day and introduced the chief Guest Smt. Sucheta Nalawde. She narrated the entire life story of Smt. Bahinabai Choudhari beautifully. She unfolds the meaning of each and every poem written by Bahinabai and its resemblances in our day-to-day life through singing and storytelling format.

"Bahinabai- Ek Hrudaysanvad" was well taken by the audience. Program ended with vote of thanks by Brother Aditya Palande.

18] Mother Language Day :

International mother language was celebrated under the banner of cultural forum of the K J Somaiya College of Science and Commerce Mumbai on 21st February 2025. It was attended by Teachers and students of the college.

Dr Jitendra Pendharkar discussed various poetic components in many languages. His description of "Kafiya" was well supported by quotes collected from literature. Dr. Anshul Gupta in his talk established that the languages get richer by exchange of words. He used poetic aesthetics of "Mahakavi Bhooshan". On the other hand, Dr. Rucha Naik illustrated the elements of "Praman Bhasha and Boli Bhasha" in Hindi and Marathi context.

Other learners and participants enjoyed the talks and interacted whenever quarry arose. Program was finished with a vote of thanks.

19] Bharat Ratna Dr Babasaheb Ambedkar Jayanti : 15th April 2025.

To Honor the legacy of Dr. B. R. Ambedkar as the chief architect of the Indian Constitution and a champion of social justice, equality, and education, the Marathi Vangmay Mandal and Cultural Forum organized a special event to commemorate the birth anniversary of Bharat Ratna Dr. Babasaheb Ambedkar on 15th April 2025.

The event began with the Somaiya Campus prayer, this was followed by the introductory speech delivered by Dr. Ajit Katdare, who not only welcomed the attendees but also shared insightful reflections on Dr. Ambedkar's educational journey, emphasizing how his life serves as a beacon of inspiration for all. Dr. Jitendra Pendharkar also addressed the gathering, shedding light on key aspects of Dr. Ambedkar's life and immense contributions to society. The event concluded with a vote of thanks and a renewed sense of admiration for one of India's greatest social reformers.

20] Alankar : for staff : 22nd April 2025.

Alankar is platform for artist performers to showcase their talents of performing arts. This time it is organized by cultural forum only for teaching and non-

teaching staff. Staff took active participation in it. From Chemistry department (Dr. Veena Khilnani, Dr. Chitra Kamath, Ms Parimal Jolly, Dr. Minakshi Wagh and Dr. Unnati Maru) we could get group dance and (Dr. Yogesh Ghalsasi, Ms. Parimal Jolly, Dr. Minakshi Wagh) solo singing. Ms. Medhavini Khare, Dr. Amol Patwardhan, Ms. Namrata Nagvekar, Dr. Rucha Naik Mr. Dhotre (non-teaching), Mukesh Masurkar (non-teaching) sung solo songs. Mrs. Snehal Shirdhankar showed colours of Kirtan. Dr Jitendra Pendharkar recite self-composed Marathi poem. Dr. Sugandha Shetye, and Mr Ketan Gayakvad recited poems liked by them. Dr. Anshul Gupta and Ms Medhani Khare mam conducted one group activity which was appreciated and enjoyed by everyone. Dr. Jitendra Pendharkar offered vote of thanks.

21] Youth Fest 2024-2025.

57th Youth fest was celebrated by University of Mumbai in the month of August 2024. The colleges from all 12 zones actively participated in this cultural fest. Two students from our college received Third prize in the finale. Mr Mayuresh Karkhanis (TYBCom) received prize for online photography and Ms Minal Girap (TYBCom) received prize for Poster competition.



Diksharambha Committee Report

The induction programme for F.Y.B.Sc and F.Y.B.Com students was conducted by the Diksharambha committee on 5th, 6th and 11th July 24. The whole agenda of the induction was to introduce the new incoming batch of First year students with all the college working facilities, resources available and the new NEP guidelines, so that they can very well plan their career in Somaiya. The programme began with the Somaiya campus Prayer followed by welcome address of our principal madam Dr. Pradnya Prabhu. Madam welcomed the students heartily and informed the students about the college ethos. She also briefed the students about NEP guidelines and also interacted with the parents. The session

conducted thereafter by the IQAC Coordinator gave an overview of the achievements, ranking and the quality maintained by the college. This was followed by various sessions on International relations, Sports and Riidl.

141 - F.Y.B.Sc and 114 - F.Y.B.Com students attended the programme.

Students enthusiastically continued to attend the sessions conducted by different committees such as NSS, NCC, Exam cell, DLLE, IIC on the second day and sessions on yoga, nutrition, environment awareness and Code of Conduct committee on the third day.

The induction programme for M.Sc. (I) students was conducted by the

Diksharambha committee on 10th July 24. It started with our campus prayer and Welcome address by Dean Academics Dr. Smita Survase madam. The whole gathering of students was then addressed by our honourable Provost Dr. Raghunath K. Shevgaonkar and students were left with the thoughts to embrace the challenges, ponder upon for pursuing research and make the most of every moment. Later students were briefed about the achievements of the institute by IQAC (Dr. Shabib Khan), NEP

Guidelines (Dean Academics, Dr. Smita Survase) and given insights into various facilities and opportunities offered by the different committees of the college. Research opportunities (Dean Research, Dr. Rohit Chouhan), NET / SET (Dr. Shanti Upadhyay), Exam cell (Dr. Yogesh Ghalsasi), NPTEL (Dr. Afsar Ali), IIC (Mr. Jaydeep Wable), Placement (Mr. Robinprince Edward). The programme ended with the vote of thanks.



Department of Lifelong Learning and Extension (DLLE)

Title - Gandhi : Myths and Reality

Date – 10th October 2024

Description : A workshop was conducted on the life and legacy of Mahatma Gandhi, highlighting both his contributions and the myths surrounding him. The speaker offered a balanced view, discussing Gandhi's commitment to nonviolence, his role in India's independence, and misconceptions about his personal life and beliefs. The session encouraged critical thinking and was attended by 66 participants who benefited from the insightful discussion.

Title - Election Literacy

Date - 25th October 2024

Description - Students of DLLE and Career Katta displayed posters in the college to raise awareness about voting rights and assembly elections. The posters attracted attention, and many students showed interest by asking questions and discussing the topic. Around 75 students benefited from the activity. It was a successful effort to promote civic awareness.

Title - Financial Literacy

Date - 18th December 2024

Description - A seminar on financial literacy was conducted by DLLE & Career Katta, covering key topics like saving, investing, budgeting, and credit management. Students actively participated, asking questions related to investments and personal finance. Real-life examples and

practical tips were shared to enhance financial understanding. A total of 22 participants benefited from the session.

Title - Pre - Udaan Poster competitions

Date - 8th January, 2025

Description : 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. Total 7 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.

Title - Udaan Festival : The Flight of Extension

Date - 30th January, 2025

Description - Udaan is an intercollegiate festival organized by D.L.L.E at Guru Nanak College of Arts, Science and Commerce, Mumbai where students from about 21 colleges participated in the Skit and Poster Competition. The skit and poster highlight the social issues faced by the society/nation currently and the ways to tackle them. 9 students participated in skit and 2 students participated in poster and 1 student in elocution competitions. Sis. Tanvi Patel won second prize in Elocution competition.



Equal Opportunity Committee

EOC covers learners, instructors and supporting staff and focuses on equality among three components of academic society.

For **Gender related subjects**, EOC stands along WDC of the college whenever requires to resolve any discrimination or otherwise. However **No such issue or complaint(s) was brought into the cognizance of EOC in SEM 1 and 2, 2024-25.**

For **Deprived classes** welfare schemes of Maharashtra Government and Government of India support vide multiple

scholarships. Candidates belonging to these scholarship eligibilities are encouraged to avail the benefit. **A set of granted scholarships, eligibilities and mechanism to avail is displayed at main entrance with all contacts.**

For Divyangjan, An accessible wash room is at first floor. Entrance is shared with a ramp and wheel chair supporting facility. However despite readiness for them **No Divyangjan was noticed having any problem or issue in SEM 1 and 2, 2024-25.**

●●●

Gymkhana Annual Sports

The academic year 2024-25 was yet another successful year for Sports in K. J. Somaiya College of Science and Commerce. Students from the senior college performed

well at the Inter Collegiate, District and State Level. Some students went ahead to participate at the national level. The highlights of great performances by the students are listed below :-

DEGREE COLLEGE

Inter-Collegiate / State / National Level Competition Winner Students

Sr. No.	Name of The Students	Sports	Class	Performance
1	Vinit Kumawat	Cross Country 10km Run Steeple Chase (5km Run)	TYBSC	1. University Of Mumbai Zone I-Gold Medal 2. University Of Mumbai Inter Zone Bronze Medal. 1. University of Mumbai Inter Collegiate - Silver Medal 2. University of Mumbai Inter-Zone Participated
2	Karan Dhillod	Basketball	FYBCOM	1. University Of Mumbai Zone One Gold Medal 2. Inter Zonal Gold Medal 1. Mumbai Inter University Basketball tournament to be held this year at I.T.M University Gwalior 2024-25
3	Shravani Walavalkar	Swimming	FYBSC	1. University of Mumbai Inter-Collegiate & Inter Zone 1. 200M freestyle - Gold Medal 2. 200M butterfly - Gold Medal 3. 100M butterfly - Gold Medal

				4.800M freestyle - Gold Medal 5.50M butterfly - Gold Medal 1. All India Inter University Selected SRM Institute of Sci. & Tech. Kattankulathur Chengalpattu Tamil Nadu
4.	Jasmin Ansari	Judo	TYBCOM	1. University Of Mumbai Inter Zone I-Gold Medal 2. Selected South West Zone Inter University Bhopal Madhya Pradesh Championship 2024-25
5.	Kamlesh Ishwar Ukali	Table Tennis	TYBCOM	1. University Of Mumbai Inter Zone I-Gold Medal 2. University Of Mumbai Inter Zone Bronze Medal
6.	Shubhashree Shroff	Table Tennis	TYBCOM	1. University Of Mumbai Zone One Win & Inter Zonal Selected
7	Bhavya Salva	Yoga	FYBCOM	1. University Of Mumbai Zone One Gold Medal 2. University of Mumbai Inter-Zone Bronze Medal.

STAR DEGREE COLLEGE PLAYERS - 2024 - 2025

Name : Vinit Kumawat (TYBsc)

Discipline : Cross Country (10km Run)

Tournament : University of Mumbai 2024-25

Venue : Anna Leela College Kurla (E)

Date : 29th Aug. 2024

Performance :

1. University of Mumbai Inter-Collegiate - Gold Medal
2. University of Mumbai Inter-Zone - Bronze Medal

Discipline : Steeple Chase (5km Run)

Date : 18th Oct. 2024 & 21st Oct. 2024

Venue : University Sports Pavilion Marine Line, Mumbai

Performance :

1. University of Mumbai Inter-Collegiate - Silver Medal
2. University of Mumbai Inter-Zone Participated

Name : Karan Dhilod (FYBSc)

Discipline : Basketball

Tournament : University of Mumbai 2024-25

Venue : University Sports Pavilion Marine Line, Mumbai

Date : 07th & 8th Oct. 2024

Performance :

1. University of Mumbai Inter-Collegiate - Gold Medal
2. University of Mumbai Inter-Zone - Gold Medal
3. University of Mumbai Inter University Basketball tournament to be held this year at I.T.M. University Gwalior.

Name : Shravani Walavalkar (FYBSc)

Discipline : Swimming

Tournament : University of Mumbai 2024-25

Venue : Olympic Sports Centre Badlapur Karjat Road Palava City Dombivli

Date : 13th & 14th Sept. 2024

Performance :

- University of Mumbai Inter-Collegiate
200 freestyle - 2.44 Gold Medal
200 butterfly - 3.20 Gold Medal
100 butterfly - 1.28 Gold Medal
800 freestyle - 11.57 Gold Medal
50 butterfly - 3.20 Gold Medal
- University of Mumbai Inter-Zone
200 freestyle - Gold Medal
200 butterfly - Gold Medal
100 butterfly - Gold Medal
800 freestyle - Gold Medal
50 butterfly - Silver Medal
- All India Inter University Selected SRM Institute of Sci. & Tech. Kattankulathur Chengalpattu Tamil Nadu.

Name : Jasmin Ansari (TYBCOM)**Discipline : Judo****Tournament : University of Mumbai 2024-25****Venue : University of Mumbai pavilion Marine Lines****Date : 1st Oct. 2024****Performance :**

- University of Mumbai Inter Zone Gold Medal
- South West Zone Inter University Judo Championship Gold Medal
 - 51th Maharashtra State Judo Championship Gold Medal

Name : Kamlesh Ishwar Ukali (TYBcom)**Discipline : Table Tennis****Tournament : University of Mumbai 2024-25****Venue : University of Mumbai pavilion marine lines****Date : 19th & 20th Sept. 2024 & 5th & 26th Sept. 2024****Performance:**

- University of Mumbai Inter-Collegiate - Gold Medal
- University of Mumbai Inter Zone - Bronze Medal

Name : Shubhashree Shroff (TYBSC)**Discipline : Table Tennis****Tournament : University of Mumbai 2024-25****Venue : University Sports Pavellion Marine Line , Mumbai****Date : 19th Sept. 2024****Performance :**

- University of Mumbai Inter-Collegiate Gold Medal
- University of Mumbai Inter-Zone Selected

Name : Bhavya Salva (FYBCOM)**Discipline : Yoga****Tournament : University of Mumbai 2024-25****Venue : D.A.V. College Bhandup East Mumbai Dhanukar College Virle Parle****Date : 26th Sept. 2024, 09 Dec. 2024****Performance :**

- University of Mumbai Inter-Collegiate Gold Medal
- University of Mumbai Inter Zone Bronze Medal
- All India University Campership Participated

GYMKHANA SPOTS AND GAMES PERFROMANCE 2024-25 ANNUAL SPORTS DAY 14th December 2024**WINNER LIST**

Track Event Name	Name of the Students	Class	Result
100 Mts Boys	Khan Jamal Ahmad	MSC - I	Gold Medal
	Vineet Kashelkar	TYBSC	Silver Medal
	Tanmay Budar	FYBCOM	Bronze Medal

100 Mts Girls	Sayee Patil	SYBSC	Gold Medal	
	Swanandi Chavan	SYBSC	Silver Medal	
	Anjali Kharat	SYBSC	Bronze Medal	
200 Mts Boys	Khan Jamal Ahmad	MSC – I	Gold Medal	
	Vineet Kashelkar	TYBSC	Silver Medal	
	Sahil Pawar	FYBSC	Bronze Medal	
200 Mts Girls	Swanandi Chavan	SYBSC	Silver Medal	
	Sayee Patil	SYBSC	Silver Medal	
	Ketki Kumthekar	TYBSC	Bronze Medal	
400 Mts Boys	Khan Jamal Ahmad	MSC – I	Gold Medal	
	Sachin Yadav	SYBSC	Silver Medal	
	Omkar Jadhav	SYBSC	Bronze Medal	
400 Mts Girls	Swanandi Chavan	SYBSC	Gold Medal	
	Sayee Patil	SYBSC	Silver Medal	
	Ketki Kumthekar	TYBSC	Bronze Medal	
Track Event Name	Name of the Students	Class	Performance	Result
Long Jump Boys	Khan J. Ahmad	Msc – I	5.33 M	Gold Medal
	Aryan Kadam	FYBCOM	4.81 M	Silver Medal
	Sahil Pawar	FYBSC	4.83 M	Bronze Medal
Long Jump Girls	Sejal Bhoir	FYBSC	2.98 M	Gold Medal
	Anjali Kharat	SYBSC	2.95 M	Silver Medal
	Swanandi Chavan	SYBSC	2.91 M	Bronze Medal
Shot Put Boys	Makaranarondekar	TYBCOM	8.83 M	Gold Medal
	Tanmay Budar	FYBSC	8.54 M	Silver Medal
	Vinayak Jagraye	FYBCOM	8.05 M	Bronze Medal
Shot Put Girls	Sayee Patil	SYBSC	7.79 M	Gold Medal
	Anjali Kharat	SYBSC	5.45 M	Silver Medal
	Anchal Sahani	FYBSC	5.07 M	Bronze Medal
TEACHING STAFF (MEN)				
Track Event Name	Name of the Students	Department	Result	
400 Mts Walk	Ravindra Patil	Math. Department	Gold Medal	
	Hansrajsonawane	Chem. Department	Silver Medal	
	Sawrabh Shete	Chem. Department	Bronze Medal	
TEACHING STAFF (WOMEN)				
400 Mts Walk	Mansi Mhaske	Chem. Department	Gold Medal	
	Kranti Satham		Silver Medal	

	Veena Khilnani	Chem. Department	Bronze Medal
	Sapna Mishra	Chem. Department	Bronze Medal
NON-TEACHING STAFF			
Track Event Name	Name of the Students	Department	Result
400 Mts Walk	Prathamesh G	Office Admin	Gold Medal
	Amit Bhalerao	Office Admin	Silver Medal
	Avinash Narkar	Phy. Department	Bronze Medal
4*100m Relay (Boys)			
Track Event Name	Name of the Students	Class	Result
4*100 M Relay	Vineet Kashelkar	TYBSC	Gold Medal
	Pranjal Yadav	TYBSC	
	Sahil Pawar	FYBSC	
	Anish Anavkar	SYBSC	
Track Eventname	Name of the Students	Class	Result
4*100 M Relay	Khan Jamal Ahmad	MSC - I	Silver Medal
	Hamza Palsani	MSC - I	
	Shailesh Mourya	MSC - I	
	Shubham Yadav	MSC - I	

Annual Sports Day

OUTDOOR - Held on 14th December 2024

Activities	Participation of boys and girl students senior college
Athletics	37
Toss cricket Menfaculty & Staff	25
Toss cricket Women faculty & Staff	17

(SOMAIYA GAMES 5th December to 12th December 2024)

- KJSSC Football Girls Team **Winner**
- KJSSC Table Tennis (Men's) **3rd Place**
- KJSSC Athletics (Men's) Team Participated
- KJSSC Cricket (Men's) Participated
- KJSSC Basket Ball (Women's) Participated
- KJSSC Taekwondo (Men's) Participated
- KJSSC Volley Ball Boys team Participated
- KJSSC Football Boys team Participated

Innovation & Incubation Centre (IIC)

Inauguration of E-Cell:

On 30th September 2024, the inauguration was done in the presence of Dr. Rohit Chauhan, Dean Research. Letter of appointments to the new team and Letter of Recommendations to the last year team was given during the programme.

Startup Innovation sprint and PPT presentation were organised to boost the moral of our college students. Winners were:

1. Ms Prerana Gupta & Mr. Omkar Medhekar

Innovation - "A Motivational Speech" My Success Story:

On 30th September 2025 at 9 am the Motivational Speech was organised by E-Cell, In the Seminar Hall.

The Speaker was a Somaiya alumni, Mr. Amit Shah, Who is the Founder and CEO of OFFEE, Orage Digital Private Limited.

He Explained his overall journey from a backbencher to becoming a CEO and a Founder of OFFEE.

Innovation Showcase: An exhibition of College Student Entrepreneurs

The Innovation Showcase aims to provide a platform for students to exhibit their entrepreneurial spirit, creativity, and innovative ideas by setting up business stalls on the college campus. This event designed to foster a culture of innovation

and allow students to present their business concepts, products, or services to the college community. By offering a space for networking, learning, and collaboration, the event encourages students to Sharpen their entrepreneurial skills, receive feedback, and gain valuable exposure. The goal is to inspire future leaders to turn their ideas into viable business ventures while promoting a culture of creativity, sustainability, and problem-solving within the college.

E-Summit:

On 7th & 8th Feb 2025 Various intercollegiate competitions were conducted

1. Shark Tank Somaiya
2. Tresure Hunt
3. Pitch a Prototype
4. Ad-Storm
5. ReBrand It-Logo Challenge

From 11 different colleges more than 100 participants were registered and participated in the event. Most popular event was "Shark Tank Somaiya".

List who completed the course of 'INNOVATION AMBASADOR"- (30 Hrs)

1. Dr. Amol Patwardhan
2. Mr. Mithun Mondol
3. Mr. Satej Chavhan (IIC Student President)



IQAC

Title - Workshop on Connecting the dots...the emotions way

Date - 12th to 15th June, 2024

Description - Mrs. Mithila Dalvi, Counsellor and Founder of *Samvaad... a dialogue*, conducted sessions aimed at helping teachers develop insight and skills to manage their own and others' emotions effectively. She emphasized emotional

intelligence as a blend of thinking and feeling to achieve optimal outcomes. The session explored the link between emotions and thoughts, highlighting how they govern decisions and behavior. Mrs. Dalvi discussed emotional "leakages" and "seepages" and shared the importance of empathy, encouraging participants to let others speak and focus beyond themselves. She also suggested that teachers share personal

failure stories to build stronger connections with students. This workshop was attended by 86 faculty members.

Title - Visible thinking routine

Date - 27th and 28th June 2024

Description - Ms. Megha Ahuja, Head of Experiential Learning at Somaiya Vidyavihar, conducted a workshop on Visible Thinking Routines aimed at equipping educators with strategies to enhance critical thinking and understanding. The session focused on teaching specific thinking routines for analyzing information, making connections, and fostering deeper understanding. Participants engaged in discussions and collaborative activities to promote shared learning and multiple perspectives. The workshop also created a supportive community for educators to exchange ideas and continue developing their thinking skills beyond the session. This online session was attended by 116 faculty members

Title – Open Day for school students

Date – 16 December 2024

Description - The program aimed to foster interest in science and encourage students to pursue higher education and career goals. A total of 268 students from 7 schools and 1 junior college visited KJSSC, where various departments showcased experiments and provided guidance on career opportunities in basic sciences and commerce after graduation or post-graduation.

Title – School Connect 2.0

Date – 14 January 2025

Description - To guide students and parents about the student-centric changes in the National Education Policy 2020 and their beneficial effects, this activity was conducted under Government initiative. 877 students of 11th standard of KJSSC junior college were guided about the changes in higher education due to NEP 2020. They were provided with the information about the opportunities available for holistic development of the students in the University and student centric changes in National Education Policy 2020 like

Apprenticeship Embedded Degree Program (AEDP), Internship, IKS, SWAYAM, Mahaswayam, Vidyalaxmi Loan Scheme, SATHEE etc. They were also guided about how to choose courses of their choice after 12th. Altogether 877 students attended the sessions.

Title – School Connect 2.0

Date – 15th January 2025

Description - To guide students and parents about the student-centric changes in the National Education Policy 2020 and their beneficial effects, this activity was conducted under Government initiative. 68 students of 9th standard of The Somaiya School were guided about the changes in higher education due to NEP 2020. They were provided with the information about the opportunities available for holistic development of the students in the University and student centric changes in National Education Policy 2020 like Apprenticeship Embedded Degree Program (AEDP), Internship, IKS, SWAYAM, Mahaswayam, Vidyalaxmi Loan Scheme, SATHEE etc. They were also guided about how to choose courses of their choice after 12th.

Title – Haldi Kumkum Ceremony

Date – 22nd January 2025

Description - IQAC members welcomed all teaching, nonteaching, cleantech staff. After having haldi kumkum ceremony, gifts were distributed. 2 Games were organized and all of the staff members participated and enjoyed. Prizes were given to the winners of the games.

Title – Workshop on “Mis-Communication”

Date – 16th April, 2025

Description - On 16th April, 2025, IQAC member Dr. Smita Paranjape, conducted a workshop for Non Teaching Staff, on ‘Mis - Communication’ She conducted variety of games through which she explained

- What Communication means
- Why it is important
- Which are the various types of communication

- What are the techniques to avoid Mis Communication.
- Which skills required to be inculcated.
- With respect to workplace.

It was well taken by all 43 participants, and suggested to conduct more such workshops every year.



ISO

ISO Audit is conducted every year, by the internal college committee as well as external Auditors. All ISO norms are followed.

norms and ISO 9001-2015 Certificate is issued by the auditors, after successful surveillance audit.

This year i.e., 2024-25 External Auditors visited the college and audited various departments and committees as per ISO

Dr. Smita Paranjape
Convenor
Internal ISO Audit Committee



Library Development Committee

Library and Library development committee magazine report

The college library, setup in 1971 has more than 62466 books with addition of e-resources. The growth of the library collections has been in tune with the growing needs of the institution. Library is fully automated with a seating capacity of 250.

- The library is fully automated using Integrated Library Management System (ILMS) which was introduced in 2012 and is upgraded on a regular basis. It uses Bookworm software and automated KIOSK (Introduced in the Academic Year 2018-19) Self Check system which helps the students/faculty/staff to borrow, return and renew the books on their own using their RFID Identity Cards or SVV Net Id.
- The library has remote access to e-books and e-journals through the following databases namely, EBSCO discovery, NLIST, J-gate and Web of Science. The library subscribes to Online Journals (e-Resources) of N-List since 2015-16, which includes more than 6000 e-Journals and 31,35,000 e-books. The N-list project provides

access to e-resources to students, researchers and faculty from colleges and other beneficiary institutions through server(s) installed at the INFLIBNET Centre Ahmedabad. The college has e-resources like e-Shodh Sindhu, and ShodhGanga.

- J-gate has a remote access to more than 60000 Journals which includes more than 71,659,392 indexed articles and keep on adding more than 15000 articles daily.
- Also students and faculty gets remote access to the other journals subscribed by Somaiya campus includes, Ebscodiscovery, web of science, Wiley e-journals, Elsevier science direct, Elsevier Scopus, scifinder etc.

Activities organised by the Library development committee in 2024-25 :

1. Every year workshops are conducted for PG and T.Y. students to enable them to avail the e-resources and other library facilities.
2. On the occasion of National Librarians Day on 12th Aug 2024, an inspiring talk on 'Reading in the world of Netflix distraction' was delivered by Mr. Amrut

Deshmukh. The talk aimed to motivate students for reading books. Mr. Amrut Deshmukh shared his life story on how he became a social entrepreneur from a chartered accountant. He recommended several books that students can take life lessons from.

3. Book exhibitions are regularly organised at various occasions such as Open Day for school childrens, Marathi Rajbhasha din. Annual book exhibitions are also arranged on 12th August on the occasion of National Librarians Day and 15th October on the occasion of Dr. Abdul Kalam's birth anniversary.
4. Vachan Sankalp Maharashtra- a programme initiated by the Government of Maharashtra, Department of Higher and Technical education was observed from 1st to 15th January 2025.

The following activities were organised under this programme.

- Samuhik Wachan divas was organised on 1st January 2025. Students sat in their

respective classrooms, laboratories and library and enjoyed reading books on various topics of their interest.

- Pustak parikshan - Joys of reading: Organised on 9th January where students presented their reviews on a book of their choice.
- National Youth day and Vividh Bhashanche Granth Pradarshan : Book exhibition was organised on 13th Jan, 2025 to 15th Jan 2025 from 10 am to 5 pm in the library by displaying books on Swami Vivekanand and books in regional Languages such as Hindi , Marathi and Gujarati.
- Online book review competition was organised in the Year 2024-25 and three awards were declared and certificates were given to each participants.
- Library Orientation and Training for faculty members' was organised from 12th to 29th March, 2025. It was organised by the Library Development Committee and Library.



Mulya Pravah

Step towards a drug free life for the students

On 2nd September 2024, Mrs. Kushbu Gadiya an Entrepreneur, COO Intuit Learning Centre, Mumbai was invited for a session on "Step towards a drug free life for the students". The objective was to educate and raise awareness about the dangers of drug abuse and its impact on individuals and society. Seventy-eight participants gained insights into the potential legal consequences and the devastating impact that drug abuse can have on social relationships. To empower participants, the workshop emphasized the importance of recognizing early signs of drug abuse and provided practical prevention strategies.

Gandhi : Myths and Reality

Mulya Pravah along with Department of Lifelong Learning and Extension organized a guest lecture on "Gandhi: Myths and Reality" on 10th October 2024 by Ms. Sahiba More, Associate Professor, Gandhi Shikshan Bhavan, Smt. Surajba College of Education, Mumbai.

This session helped to educate and raise awareness about the myths and real stories and thought process of Gandhian thinking. The talk was energetic and dwelled into Mahatma Gandhi's life and legacy which have been subject to a great deal of mythologization, often obscuring the complexities of his thought and actions. Sixty one students and five staff participated in the event.

Holistic-Fitness Connecting Body, Sport, Nutrition and Mind

On 21st January 2025 the Mulya Pravah, Value Education committee organized a seminar on “Holistic Fitness: Connecting body, sport, nutrition and mind”. The event was conducted at the Chemistry Seminar Hall. Dr Ravindra Kumar Singh, Director, Sports and Physical education, KJ Somaiya College of Science and Commerce were the resource person for the talk.

Dr. Ravindra started the talk by diving into holistic fitness and recognized the interconnectedness of physical, athletic, nutritional, and mental well-being, moving beyond a narrow focus on just physical attributes

Dr. Ravindra helped forty-nine students to gain a deeper understanding of how to achieve a truly holistic and healthy approach.



NCC

Combined Annual Training Camp - 506-29th May to 7th June 2024

CATC-506 was arranged by 1 MAH GIRLS BN NCC at K.J. Somaiya College. Tenure for this camp was 10 days. It was arranged from 29th May 2024 to 7th June 2024. Camp started with the Opening Ceremony by CO SATISH Shekhavat Sir.

The cadets of Somaiya College demonstrated exceptional enthusiasm and dedication during the Combined Annual Training Camp (CATC) held at K. J. Somaiya College. Through rigorous training sessions, including drill, weapon handling, and theoretical classes, the cadets developed discipline, physical fitness, and leadership skills. Their impressive performance in various inter- college competitions earned the college numerous accolades under the proper training of ANO Lt. Dr Rohini Kasabe.

They secured top honors as Camp Senior, excelled in the Drill Marching Test, showcased their artistic side with a first-place win in the Singing Competition, and demonstrated their literary prowess with a second-place finish in the Essay Competition. Additionally, they displayed their athleticism with a first-place victory in the Relay Race, creative flair with a first-place win in Poster Making, and cultural talent with a third-place finish in the Dance Competition. This outstanding achievement reinforced the NCC motto of Unity and

Discipline, highlighting the cadets' ability to balance academics with extracurricular activities and showcasing their commitment to excellence

International Yoga Day - 21st June 2024

To raise global awareness about the benefits of practicing yoga.

On 21st June KJSSC Girls NCC unit participated in International Yoga Day Event at D.Y Patil Stadium, Nerul. 29 cadets went for this event to the venue. The event was conducted on large scale under ages of NCC Directorate of Maharashtra. With the appx 600 cadets participated for the event. Cadets actively participated in this event and made it a huge success.

Social Outreach - July to October 2024

Assisting boards students prepare their board examination.

A social outreach program was held every Saturday to help students prepare for their boards. This activity was held in Kamraj Nagar, Ghatkopar, and involved cadets from KJSSC Girls Unit NCC under the guidance of ANO Lt. Dr. Rohini Kasabe Ma'am.

1. Subject/Topics covered: History and Geography
2. No.of lectures taken: 15 lecs (only on Saturdays)
3. % of syllabus covered: 80%

This program is specially organised for the board students. To maintain their regular study consistency and helpout with normal study queries.

Beach Cleaning 2024 - 12th August 2024

To raise awareness about cleanliness and environmental conservation, focusing on keeping public spaces clean and free from pollution.

On the 12th of August, a Swachhta campaign was held at Girgaon Beach, organized by the 1 MAH Girls Battalion NCC. Somaiya College Cadets actively participated in this event. The campaign began at 7:00 AM and saw enthusiastic participation from all involved. The event aimed to raise awareness about cleanliness and environmental conservation, focusing on keeping public spaces clean and free from pollution.

Cadets worked diligently to clean the beach area, collecting waste and promoting the importance of maintaining hygiene in public areas. Their efforts were part of a larger national movement to promote Swachh Bharat Abhiyan, aligning with the government's ongoing initiatives. The program also emphasized the role of youth in leading by example and contributing to the well-being of society.

Har Ghar Tiranga - 14th August 2024

To spread awareness on Independence day

On 14th August, Rally started from Nariman Point at 3:30pm to Marine Drive. Indian Flags were given to the cadets to showcase the Abhiyan. The special attraction was Assam band.

Independence Day - 15th August 2024

On 15th August, the KJSSC Girls NCC unit proudly stood in the Independence Day Contingent, showcasing their discipline, unity, and patriotism. Our chairman Shri Sameer Somaiya hosted 100 feet flag and then the celebration went on with many cultural and physical activities. Secretary of Somaiya trust Lt. Gen. Jagbir Singh Sir H.S. Cohlun and other all respected principals were present in this annual event. Entire

Somaiya Vidhyavihar celebrated 78 years of Independence on 15th August 2024. From KJSSC Girls NCC Unit total 50 cadets along with Ex cadets were present with ANO Lt. Dr. Rohini Kasabe. Their performance was a tribute to India's independence, highlighting the values instilled in them through their rigorous training and commitment to the nation. To honour India's independence, instill discipline, and demonstrate unity and patriotism among the cadets.

National Sports Day - 29th August 2024

On 29th August 2024, National Sports Day was organized by KJSSC Gymkhana & NCC unit. Program was started with dance performance of students after the speech of guest all staff members and students walked 400m to promote a FIT INDIA activity. In seminar hall, the athlete who have been represented the district at the national level were awarded scholarships worth upto 30 Thousand. Along with these, there was small session on diet plan given by Dr. Ravindra Singh sports head of KJSSC. Awareness of FIT INDIA activity on occasion of National Sports Day was given.

Shastra Puja - 11th October 2024

On 11th October 2024, the K. J. Somaiya College of Science and Commerce NCC Girls Unit celebrated Shastra Poojan with great enthusiasm. This event honored the tools and weapons we use, embodying the values of discipline and dedication. The celebration highlighted the significance of our equipment, likening the rifle's revered status in Army culture to that of NCC cadets. Approximately 50 cadets participated, performing puja for the Shastra we rely on throughout the year. A special moment of the event was the felicitation of GSUO Hiral Kataria for her outstanding achievement in IDSSC by our esteemed ANO, Lt. Dr. Rohini Kasabe Ma'am.

Blood Donation Camp - 27th November 2024

The KJSSC Girls NCC Unit, under the guidance of ANO Lt. Dr. Rohini Kasabe, successfully organized a Blood Donation Camp on November 27, 2024, at the KJSSC

Campus. The event aimed to contribute to the community by collecting blood for those in need and raising awareness about the importance of blood donation. The blood donation drive witnessed enthusiastic participation from cadets and faculty members. Medical professionals were present to ensure the safety and well-being of donors. Necessary health checks, including hemoglobin levels and blood pressure, were conducted before the donations. After donating blood, each person was given their blood donation certificate. Additionally, refreshments were provided to ensure they did not feel weak. NCC cadets were canvassing, educating people about the importance of blood donation, and encouraging them to donate blood. The blood donation camp was a remarkable success, achieving its goal of raising awareness and collecting vital blood units. We hope to continue this initiative in the future to support our community's healthcare needs.

Women Empowerment Lecture - 30th November 2024

On November 30, 2024, the National Cadet Corps (NCC) Directorate of Maharashtra, organized a seminar titled "Empowering Girl Cadets through NCC" at KC College Auditorium in Mumbai.

The Hon'ble Governor of Maharashtra, C.P. Radhakrishnan, inaugurated the event as the chief guest. In his address, he emphasized the significance of empowering women through NCC, stating that it equips them to lead, contribute, and effect meaningful change in their communities and the nation.

Director General of NCC, Lt. Gen. Gurbirpal Singh, highlighted the transformative impact of including women in NCC, noting numerous success stories of girl cadets excelling in various fields such as the armed forces and public administration.

Maj. Gen. Yogender Singh, Additional Director General of NCC Directorate Maharashtra, expressed gratitude to the Governor, speakers, participants, and attendees for their contributions to the seminar's success.

Interaction Session - 9th January 2025

The KJSSC Girls NCC Unit, including ex-NCC cadets and ANO Lt. Dr. Rohini Kasabe, organized an interaction session with the Hon'ble Secretary, Lt. Gen. H.S. Kahlon, on January 9, 2025, from 10:30 AM to 11:30 AM. The session commenced with a welcome by the Principal, Dr. Pradnya Prabhu. Cadets presented a 10-minute overview of their NCC activities and achievements, followed by brief introductions of the Commanding Officer (1 MAH GIRLS BN), Major Satish Shekhawat, and the Hon'ble Secretary, Lt. Gen. H.S. Kahlon. The CO addressed the audience, and **Lt. Gen. H.S. Kahlon** then delivered a keynote speech. Q&A session allowed cadets to interact with the CO, Major Satish Shekhawat, followed by a vote of thanks and the singing of the NCC song, concluding the event. This interaction fostered a heightened sense of leadership in the cadets and broadened their horizons with regard to future opportunities. The main objective of the event was to inspire cadets, address their concerns, enhance unit effectiveness, and empower individual growth through an interaction.

Rajya Raksha Mantri Visit - 15th January 2025

To showcase the achievements of NCC cadets from the Army, Air, and Naval wings through an interactive session with the Hon'ble Rajya Raksha Mantri.

Cadets who had attended various National Camps were given the honor of being introduced to the Hon'ble Rajya Raksha Mantri. An interactive session was held, where the cadets had the opportunity to share their experiences and insights gained during their participation in these prestigious camps.

The purpose of the visit was to showcase the achievements and excellence demonstrated by cadets from the Army, Air, and Naval wings of the NCC. This interaction served as a proud moment for the cadets, highlighting their commitment, discipline, and contribution to the values upheld by the National Cadet Corps.

The event not only celebrated the accomplishments of the cadets but also served as a source of inspiration for them to continue their journey of service and leadership. The encouragement and recognition from the Raja Raksha Mantri added great value to the occasion.

Inspirational Music Workshop - 16th January 2025

On January 16th, the Inspirational Music Workshop was arranged featuring Ameya Dabli and Gen Anil Chouhan, (PVSM, UYSM, AVSM, SM, VSM, ADC).

The event was graced by the presence of Chief of Defence Staff (CDS) General Anil Chauhan, who interacted with the NCC Cadets and added significance to the occasion. In his interview, he shared an amazing anecdote from his life, inspiring all the youth Cadets. His words, **“Success is not just a matter of chance, but a matter of choice.”** left a significant impression for the day. Moreover, everyone appreciated the patriotic concert. The concert was dedicated to spreading unity and harmony through music, making it a memorable milestone

Republic Day- 26th January 2025

K.J. Somaiya College celebrated the 75th Republic Day with full energy. The day was marked by the unfurling of the flag. Guards of honour was conducted followed by parade by the KJSSC Girls NCC Unit, showcasing their discipline and dedication. More than 100 cadets including Ex-cadets were present in this event. All the institutes of Somaiya Vidyavihar were participated in this event. Cultural programmes were performed by students of different sister institutes. The NCC Unit of K. J. Somaiya College showcased its prowess through a Bayonet fighting demonstration, aiming to familiarize students with the realities of army life and combat situations. As this day is celebrated To honor the adoption of the Constitution of India.

Jai Shivaji Jai Bharat Padyatra - 19th February 2025

Padyatra

To promote the ideal of Courage, Bravery and Leadership by Chhatrapati Shivaji Maharaj.

On February 19th, the Padyatra began at 8:30 AM from the Collector’s Office, proceeding through Kala Ghoda, Regal Junction, and concluding at the Gateway of India.

Posters & flag related to Chhatrapati Shivaji Maharaj were given to cadet to showcase the Abhiyan. Cultural performance was showcased at Gate way of India on Maharaj’s life valour promoting his courage and bravery.

CARRER KATTA- 25TH FEBRUARY 2025

Career Katta organized a prestigious event that brought together esteemed guests, professionals, and students. K. J. Somaiya College had the honor of participating in this event, with the 1 MAH GIRLS BN serving as dedicated volunteers.

As part of their responsibilities, the volunteers played a crucial role in ensuring the smooth execution of the program. Their presence was compulsory, and they took pride in contributing to the event’s success by providing exceptional support to the organizers.

A key highlight of their participation was performing piloting duties for the esteemed **Chief Guest, Uday Samant, Minister of Maharashtra.** The volunteers ensured that all protocol was followed and facilitated the Minister’s visit with the utmost respect and efficiency.

The Career Katta event proved to be a valuable experience for the volunteers. They expressed gratitude to Career Katta and K. J. Somaiya College for providing them with this opportunity to contribute and gain meaningful exposure.

National Security Guards Visit - 4th March 2025

Introducing role and operations of NSG, Counter-Terrorism Education, Weapon Demonstration, Emergency Response Training.

On 4th March 2025, the KJSSC Girls NCC Unit 4 Firing Cadets visited the NSG Hub.

The visit commenced with an introduction to the NSG and the role of

commandos, presented by Major Parth Patel. A demonstration followed, showcasing various techniques such as zip-lining, wall climbing, and the Flying Fox method. These techniques illustrated the NSG's expertise in scaling buildings and navigating challenging terrain.

The bomb disposal unit was then presented, highlighting its role in disposing of explosive devices. The team demonstrated the unit's capabilities, emphasizing their proficiency in handling sensitive and potentially hazardous situations.

Subsequently, the NSG team exhibited their arsenal, providing an overview of

various weapons and their functions. This demonstration offered insight into the NSG's firepower and tactical expertise.

A firing demonstration followed, displaying precision marksmanship and tactical skills. The team demonstrated their proficiency in different firing scenarios, including day, night, and cover fire situations.

The visit to the NSG Hub provided an in-depth understanding of the expertise, capabilities, and dedication of the NSG personnel. The professionalism, discipline, and commitment of the team were evident throughout the demonstration.



NSS

The NSS (National Service Scheme) unit at K.J. Somaiya College of Science and Commerce had an eventful and impactful year filled with various college-level and university-level activities. Our volunteers, guided by the principles of service to the community, actively participated in numerous social causes, spreading awareness and contributing positively to society. The following report outlines the activities organized and participated in by our unit throughout the year.

College-Level Activities

1. Seminars and Workshops :

- **POCSO Act Seminar** : A seminar was conducted to educate students about the Protection of Children from Sexual Offences (POCSO) Act, emphasizing the importance of child protection and legal provisions.
- **Workshop on Tackling Fake News** : In the digital age, it's crucial to identify and combat misinformation. This workshop helped our students develop critical thinking skills to discern credible sources of information.
- **Cyber Security Workshop** : Aimed at creating awareness about online safety,

the workshop provided essential knowledge on safeguarding personal data in the cyber world.

- **Anti-Ragging Day Rally** : The NSS unit organized an awareness rally to educate students about the importance of a ragging-free environment, promoting safety and respect within the college campus.

University - Level Activities

1. **Plastic Waste Management Workshop** : Our volunteers participated in a workshop focused on managing plastic waste, aligning with environmental sustainability efforts at the university level.
2. **Bhajan Sadhya at Gateway of India (Gandhi Jayanti)** : Volunteers participated in this event to honour Mahatma Gandhi's ideals of peace and non-violence on Gandhi Jayanti.
3. **World Without War and Violence Rally** : The rally was aimed at spreading the message of global peace, encouraging unity and non-violence across communities.
4. **Peace Rally** : A significant initiative to promote peace, where our volunteers

actively engaged in spreading awareness about the importance of peace-building activities.

Volunteering at Prestigious Events

Our volunteers had the honour of contributing to some of the most prestigious events:

- **Tata Mumbai Marathon (Asia's Longest Marathon)** : Volunteers were actively involved in assisting the smooth operation of the marathon, helping participants and contributing to the event's success.
- **HOSH Conclave on Cancer Awareness** : Volunteers participated in the HOSH conclave, contributing their time to conduct the event successfully, where many VIP were present.

Area-Based Projects

1. Blood Donation:

- A significant area of focus, four blood donation camps were organized:
 - Two on the college campus
 - One in Kamraj Nagar
 - One at Chembur Railway Station
- To raise awareness about blood donation and thalassemia, volunteers performed street plays at various locations.

2. Connect with Society:

- A **Food Donation Drive** was organized at six locations across Mumbai, where volunteers distributed food to the underprivileged.
- A **Street Play on Superstition** was performed with the cooperation from Kajupada Police Station in Kajupada area, promoting rational thinking and scientific temper.
- Volunteers participated in Tarangan project of college where they taught **underprivileged 9th and 10th standard students** in Kamraj Nagar, offering free education to children who lack access to quality learning resources.

- **Old Age Home Visit** were conducted to spend time with senior citizens, offering companionship and support.

- A **Mobile Detoxification Drive** was conducted to encourage people to disconnect from their mobile devices and embrace offline activities, promoting mental well-being.

3. Green Warrior:

- Volunteers took part in various environmental conservation activities. Ten volunteers worked in the Mahim Koliwada area for an entire month, engaging with the local community to raise awareness on waste management.

- Activities included street plays on plastic waste and dry waste management, a **dry waste collection drive**, and regular **clean-up drives**.

4. Sensitization towards Person with Disability:

- A key project focused on sensitizing the community towards specially-abled children. Collaborating with **Sahyog NGO**, the volunteers organized:
 - **Street Plays** and a **Flashmob** to raise awareness at Asalpha and Bail Bazar.
 - A **Two-Day Sports Event** for specially-abled children, where around 40 children participated, promoting inclusion and sportsmanship.

5. Sustainable Development:

- Volunteers participated in **tree plantation drives** in Bhanghar, Panvel, contributing to environmental sustainability.
- The unit also supported the promotion of **Bamboo Rakhi**, a sustainable alternative to traditional rakhis, to reduce the environmental impact of plastic waste.

- The **Shore Walk** was conducted to raise awareness about coastal conservation.

6. Swachh Bharat:

- The NSS unit actively participated in E-

waste, Dry Waste, and Wet Waste Collection Drives to promote cleanliness and waste segregation.

- Volunteers were also involved in multiple **Beach Clean-Up Drives** organized by various environmental organizations, contributing to the cleanliness of our beaches.

The NSS unit of K.J. Somaiya College of Science and Commerce has had a truly successful year. Our volunteers have exhibited exemplary dedication and

compassion while engaging in a wide array of social, environmental, and educational projects. The impact of these activities has been immense, and we look forward to furthering our efforts to serve society and make a positive change in the coming years.

We would like to thank all our volunteers, faculty members, and partners who supported us throughout the year. Together, we continue to uphold the values of NSS and contribute to the betterment of society.



PR Bulletin

The PR Bulletin is published to highlight important events organized by the college and showcase achievements of staff and students. The college publishes six bulletins in one academic year.

Bulletins were published for the following months: June-July, August,

September-October, November-December, January and February- March. Brief information along with relevant photos were considered for the bulletin. The designing and preparation of the bulletin was handled by our student team. The front page of the first bulletin is shown here.



Students Grievance Redressal and Antiragging

Activities conducted:

- Session on 'Safe Campuses, Happy students' by Dr. Sameer Velankar on 9th August 2024
- Poster Competition on the following themes:
 1. Creating a bully free campus and end ragging.
 2. Know Your Rights
 3. From Fear to Freedom through Grievance Redressal

The following students were awarded for the same:

1. First Prize : Ms. Sejal Bhoir (F.Y.B.Sc) and Ms. Riya Sudhakar Kamble (F.Y.B.Sc)
2. Second Prize : Ms. Swanandi Chavan (S.Y.B.Sc) and Ms. Mitali Girap (T.Y.B.Com)
3. First Prize : Digital Poster : Ms. Ankita Gupta (S.Y.B.Sc)



Students Council

1. On 16th July 2024, An informative session on banking sector was conducted by Mr. Prathmesh Tawde in the Classroom of KJSSC. The Seminar aimed to educate students about various careers in the banking sector and how it can be pursued. He shared his valuable knowledge and experience about banking with the students and gave various interesting & valuable tips.

He started the session by giving brief introduction about what is banking and its importance with its structure in India. Also engaged with the students asking about their preferences and knowledge about banking. Later on, discussed about the employment opportunities in the sector with respect to all different types of banks, competition, job profiles, eligibility, examination, etc.

2. On 12th July 2024, an extensive development workshop was conducted by Ms. Sarika Rachuri at KJSSC seminar hall. The workshop aimed to educate teachers about various aspects of teaching, including self-development, teaching model, etc. She shared her own experiences and future workforce as teachers.

She engaged teachers through interactive discussions encouraging them to share their teaching experience, the style they use to teach and also focusing over polarisation. This participatory approach fostered an informative and self-reflecting learning environment and enabled teachers to relate with the type of teacher they are through various activities with personal and professional aspects within the workshop.

3. On 19th July 2024, An informative session on financial investment literacy was conducted by Mr. Prateek Shetty in the Seminar Hall of KJSSC. The Seminar aimed to educate staff about various options in the investment field and how to invest wisely. He shared his valuable knowledge and experience about investing and how their company 'SAVENTH' can help to invest in good ways.

He started the session by giving brief introduction about how financial planning

can be done to start investing. Also engaged with the staff through activities about goals and identifying the importance financially. Later on, discussed about the how to do goal-based investing, tips and tricks for effective investing like 50-30-20 rule, etc.

4. On 22nd July 2024, An Informative workshop on girls hygiene and personality development was conducted by Ms. Priya Gogia in the Classrooms of KJSSC.

The workshop aimed to educate female students about maintaining themselves daily and to develop them physically and mentally in a systematic manner. She shared her helpful knowledge and experience about how to be the best version of yourself.

She started the workshop by giving brief overview about what should be prioritized and to have perfect timetable daily to maintain a balance flow in life as mentally and physically. Also engaged with the students asking about how they maintain their timetable if they have. Later on, discussed about time management, how to gain inner and outer confidence, self-care, how to be clean and how to present yourself, etc.

5. On 24th July 2024, A comprehensive workshop on mastering software was conducted by the team of Candela Infotech in the seminar hall of KJSSC.

The workshop aimed to educate students about various software, computer knowledge and give them overview how they can get a job placement by mastering it. They shared about their experiences and gave overview how specialization in technology field can be achieved.

They started by explaining about Information Technology basics and design thinking. Also discussed how the landscape of computer science and technology is made with respect to AI, Machine learning, HTML, Cybersecurity, etc. They referred how their company can also help to learn those skills. Further explained which technology skills are important like HTML, CSS,

DATABASE, etc.

6. On 1st August, 2024, a session on Emphasis on Emotional well being was conducted by Ms. Kshitija Sawant, a mental health counsellor in the seminar hall of KJSSC. The seminar was focused on different tools and opportunities that can help to improve the level of people's positive emotional life effectively.

She explained the students about emotional well-being, where she taught the students about prioritizing their task without procrastinating through an activity and the students were asked to put their tasks from most important to least. She also planned various activities such as The Communication Game, Activity Line up, etc. She also discussed about Emotional Intelligence, SWOT Analysis, Life values, etc.

She made people conscious about their procrastination and made it easier and fun for the audience to understand it. She taught the audience about the ability to express emotions, how to boost the self-confidence of an individual through an activity "Three reasons why the clubs at KJSSC need you" the students were asked to roam around while calling out their plus points which gave an instant boost to their confidence.

The Talk Session with Ms. Kshitija Sawant was very informative, eye opening and knowledge able. The Question - Answer round helped many individuals to interact and realise about their emotions and helped the students to gain various valuable insights. Then the session ended with a formal vote of thanks.

7. On 3rd August, 2024, an informative session on Resume writing and Personality development by Mr. S. Anantharaman, an adjunct marketing professor in the seminar hall of KJSSC. He started the seminar by giving brief introduction about the term personality and how it defines a person.

He also stated how a person's behaviour, manners, way of speaking, etc enhance their personality. Examples of Virat Kohli, MS. Dhoni and Mr. Ratan Tata were given and various qualities of them were

introduced like humbleness, calm, helping, responsibility & authority, etc to explain how the became a strong personality of India. Likewise, students were taught about how to become stronger by themselves by being self-aware, empathetic, result oriented etc.

Later, he elaborated about resume writing and its difference with respect to CVV & Bio-data. The purpose and content of Resume was explained very well with respect to securing an interview. Also, he gave an overview about its key functions like impression, qualification showcase, interview gateway and career summary.

The session by Mr. S Anandaraman was a success by the informative knowledge, experiences and the student-speaker interaction throughout the session. Then the session ended with a formal vote of thanks.

8. On 8th and 9th August, 2024, an informative session on scholarship for study abroad was conducted by Mr. Vicky Mulchandani in the seminar hall and room no 001 at KJSSC. He is an education sector veteran with experience spanning more than a decade. The session started with knowing about the choice of students if they are willing to study abroad and were, etc.

He gave them clarity on studying abroad, various top universities, scholarships available, post study work opportunities, preparation required etc. He proved various facts with proof which included no cost tuition fees, the countries which are paying for living expenses with scholarship for free and work opportunities within top universities abroad.

9. On 5th August, 2024, An Informative session on YOUNG INDIA UNCHAINED was conducted by Prakruthi Organisation in the seminar hall of KJSSC. The seminar begun with asking students what human trafficking is, explaining in terms of acts, means and purpose with a video, taught the difference between human trafficking with consent or without and how its illegal. The speaker, Ms. Phatima Mulla pointed out the different crimes happening in today's world.

She further explained how there are various crimes happening in our own state or city like in Mumbai and we are unaware. A video skit was shown which was made by their club regarding various crimes like rape, kidnapping, inappropriate touching on the streets, etc and showing how its increasing in our state, city and country with a message for youth and everyone to take stand for it. Also asked why those crimes are increasing and students interacted by giving very informative answers referring to real time situations.

Award and Prizes Committee

Teachers Day: Long Service Award

On the occasion of Teacher's Day, Long Service Award Ceremony was organized by the Awards and Prizes committee on 3rd September 2024 at 10 am. The session initiated with the Campus prayer, followed by a brief introduction of the guest, Lt.Gen. Jagbir Singh.

After talking of guest following staff members were awarded with long service awards for the academic year 2024-25.

1. Dr. Reema Khanna (Sr. College)
2. Ms. Sudha Agarwal (Sr. College)
3. Dr. Ajit Katdare (Sr. College)
4. Mrs. Jyoti Sawant. (Jr. College)
5. Mr. Manga Chitte (Lab Attendant)
6. Mr. Bhalerao (Lab Attendant)

Best Student Award

After going through various rounds Best students were selected by the selection committee under the categories of

Best Girl Student : Ms. Pearl Qurian

Overall Best Student : Mr. Abijeet Singh

39 applications were received by the committee, which were scrutinise and written test was conducted.

25 students qualified for the poster Presentation round, and Group discussion. Final seven students were selected for the final interview round. Interview was conducted by a panel consisting Principal, Vice Principal, Dean Students Welfare and Esteemed Alumni Mr. Sachin Sankpal.



Women Development Cell

Gender equality and women empowerment are central to the Indian Government's social policies and this commitment is reflected in various national and international policy initiatives such as setting up of a National Commission for Women and shifting the approach to women's issues from welfare to development. In order to achieve these objectives a Women Development Cell which is an integral part of educational institutions has been established to promote the overall development and empowerment of women and encourage girl students to work towards their personal and social development particularly with an aim to sensitize the student community to issues relating to the female gender , to tackle issues relating to gender

discrimination and to propose strategies and policies promoting gender equality within the campus. The cell plays a pivotal role in equipping the students with the essential understanding and self-assurance which contributes in acknowledging them to take up an equitable position in the society and to create a supportive and inclusive environment that fosters the growth, well-being, and advancement of women in numerous domains of life.

To maintain a consistent effort and progress towards attaining women empowerment, the cell conducted a session on "Women Safety in Modern Times" by Mr D. Sivanandan IPS (Rtd) Former DGP, State of Maharashtra to equip students with the self - defence techniques.



Cultural Forum and Marathi Vangmay Mandal



Inauguration of Cultural forum and Marathi Vangmay mandal



Garba Event



CL Meet for Phoenix by Cultural Forum



Maharashtrachi Khadya Jatra and Theme reveal



Asmita 20-21 December 2024.



Phoenix- 20-21 December 2024.

Cultural Forum and Marathi Vangmay Mandal



Annual Day



Vachan Sankalpa Maharashtra

Shodh Pratibhecha : in collaboration with Maharashtra Times



Youth Fest 2024-2025

Gymkhana



Vinit Kumawat

Cross Country 10km Run

1. University of Mumbai Zone I Gold Medal
2. University of Mumbai Inter Zone Bronze Medal
3. University of Mumbai Inter Collegiate - Silver Medal



Karan Dhilod

Basketball

1. University of Mumbai Zone One Gold Medal
2. Inter Zonal Gold Medal



Shravani Walavalkar

Swimming

1. University of Mumbai Inter- Collegiate & Inter Zone
 1. 200M freestyle - Gold Medal
 2. 200M butterfly - Gold Medal
 3. 100M butterfly - Gold Medal
 4. 800M freestyle - Gold Medal
 5. 50M butterfly - Gold Medal



Jasmin Ansari

Judo

1. University Of Mumbai Inter Zone I-Gold Medal
2. Selected South West Zone Inter University Bhopal Madhya Pradesh Championship 2024-25

Gymkhana



Kamlesh Ishwar Ukali
Table Tennis

1. University of Mumbai Inter Zone I-Gold Medal
2. University of Mumbai Inter Zone Bronze Medal



Bhavya Salva
Yoga

1. University of Mumbai Zone One Gold Medal
2. University of Mumbai Inter Zone Bronze Medal



Shubhashree Shroff
Table Tennis

University of Mumbai Zone One Win & Inter Zonal Selected

Alumni Association



Long Service Award



Best Student Award



Internal Quality Assurance Cell (IQAC)



Workshop on Connecting the dots...
the emotions way



Visible thinking routine



Open Day for school students



School Connect 2.0



School Connect 2.0



Haldi Kumkum Ceremony



Workshop on Mis-Communication

Avishkar



Gold Medal Winner at University of Mumbai Level
Department of Chemistry



Bronze Medal Winners Ph.D Scholars,
Department of Chemistry

Career Katta



Two Days State Level Career Katta Session



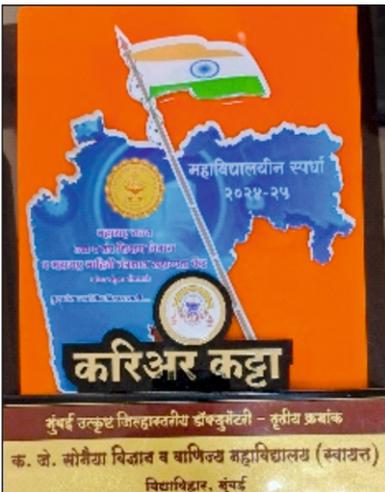
Interaction with IPS Officer



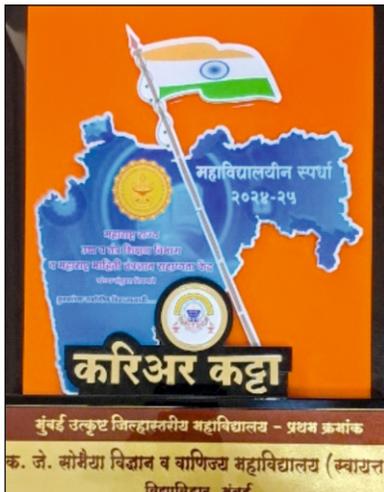
Centre of Excellence with B Grade



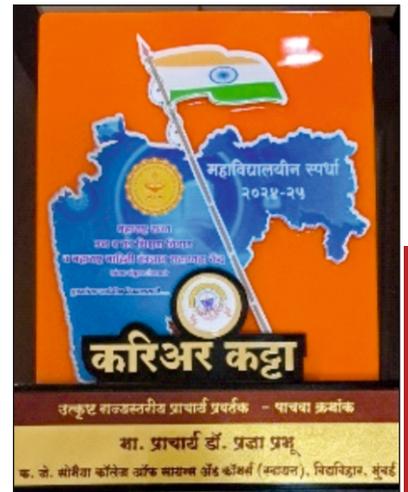
First Rank - College Co-ordinator Mumbai District



Documentary Making Competition
Third Rank In Mumbai District



Best College-First Prize
in Mumbai District



Fifth As Excellent Principal
Co-ordinator In The State

Department of Lifelong Learning (DLLE)



Gandhi : Myths and Reality



Election Literacy



Pre - Udaan Poster Competitions



Udaan Festival : The Flight of Extension

Diksharambha



Induction programme for F.Y.B.Sc and F.Y.B.Com students



Induction programme for M.Sc (I) students



Innovation & Incubation Centre



Inauguration of E-Cell



Innovation -
"A Motivational Speech"



E-Summit



Innovation Showcase

Mulya Pravah



Step towards a drug free life for the students



Holistic-Fitness Connecting Body,
Sport, Nutrition and Mind

PR Bulletin

KJSSC BULLETIN
JUNE JULY 2024

ACCREDITATION

- College is accredited with 'A' Grade by NAAC (2004-2023).
- Awarded with "Best College Award" in 2019.
- Received STAR DBT grant.
- ISO 9001: 2015 certification.
- Awarded College with Potential for Excellence (CPE) by UGC in 2016.
- Empowered Autonomous status granted by University of Mumbai in 2023 for 10 years.
- College was selected for Ummat Bharat Abhiyan and adopted 3 villages.

LIST OF MEMBERS

This is the KJSSC BULLETIN a joint effort of PE committee teachers and students. It will be continued as a monthly magazine highlighting the events henceforth.

- Mrs. Chitra Trehan (Dean Student's Welfare)
- Dr. Jitendra Pendharkar (Convener)
- Dr. Reema Khanna
- Ms. Shreya Patil
- Mr. Rishika Doggal
- Mrs. Rohini Whatre (SIS)
- Mr. Omkar Madhakar (Student)
- Mr. Aarvin Nanda (Student)
- Ms. Ayashree Satave (Student)
- Ms. Bhumi Pagare (Student)

HIGHLIGHT OF THE MONTH

- KJSSC Girls' NCC unit hosted the Combined Annual Training Camp (CATC - 504) at the Somaya campus running from May 29th to 7th June 2024. The commanding officer, 15 PE staff, 3 AAOs, 2 SOs, and a total of 200 cadets participated in this camp. Various activities and guest lectures were conducted during the camp.

Upcoming Events

- Scientific Literature Workshop on 2nd August
- CFMUK Inauguration on 6th August
- Alumni Meet on 10th August
- Financial Literacy Workshop on 14th August
- Guidance Seminar by NIT on 21st August
- Lecture by ICWA Institute on 23rd August

Students Council



Emotional Wellbeing



Scholarship for students abroad



Workshop on Personal Hygiene



Resume writing & Personality Development

Library and Library Development Committee



National Youth day and Vividh Bhashanche Granth Pradarshan

Students Grievance Redressal and Antiragging Committee



Session on 'Safe Campuses, Happy students'



Poster Competition First Prize



Poster Competition Second Prize



First Prize: Digital Poster

NCC Activities



CATC-506 was arranged by 1 MAH GIRLS BN NCC



International Yoga Day



Har Ghar Tiranga



Independence Day



Interaction Session



Republic Day