



SOMAIYA
VIDYAVIHAR

K J Somaiya College of Science & Commerce

Somaiya
TRUST



संस्कृती

2025 - 2026



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

Re-accredited by NAAC with 'A' Grade
Autonomous - Affiliated to The 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 all see well-being.
May nobody experience misery.

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

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Sanskriti

2025-26

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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



President
Shri Samirbhai Somaiya



Trustees
Smt. Leelaben Kotak



Secretary, Somaiya Vidyavihar
Lt General H S Kahlon

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, Padmabhushan 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

In current times when rapid development often clashes with environmental limits, the true measures of progress are undergoing a crucial transformation. The theme of this year's college magazine, "Sustainability – The New Currency of Progress", reflects this transformation effectively. From the advent of the modern world marks, placements, and material achievements alone are yardsticks. Today, as young minds shaping the future, we recognize that genuine progress lies in balancing development with responsibility— through eco-friendly innovations, mindful resource use, and inclusive growth. As college students, we stand at the forefront of this change, where sustainable practices are inevitable ones to define resilient careers, communities, and societies.

Sustainability invites us to rethink our everyday functioning and collective actions. It demands us to move beyond short-term benefits and invest time, resources and energy in solutions that safeguard the planet for generations ahead.

Some of the green campus initiatives, pollution control and research in renewable awareness contribute to building a stronger, greener future. This magazine edition exhibits a support to stories, innovative ideas, and student-led efforts that prove sustainability is not a burden but a powerful driver of meaningful progress.

Moreover, Regular features of the departmental reports and committee advancements are intact. Students' and faculty members' efforts are presented in a more inviting way to readers.

We hope this magazine will add up one more informative and inspiring quadrant in readers' minds. Wishing all readers a fruitful reading.

Dr. Jitendra Pendharkar



English Section



Sustainability - The New Currency of Progress

Saniya Adnan Shaikh

FYBSC - A

Development, development, development! We see development happening 360° around us. Really, cutting trees and making big industries and buildings is what we count as development. But we count growing trees and plants as development. Sustainability means development without depleting natural resources. But we are doing the exact opposite. Now, already we have destroyed the Earth planet a lot and that's why we are finding another planet to live there and destroy it as well.

That's why from now onwards, the progression and development we must focus on should be "Sustainability". Depletion of natural resources, depletion of Ozone layer, green house gases, depletion of fossil fuels and what not. Indeed, now it's the time to stop and protect them. Because, "We have got this Earth planet not as an ancestral property but on lease from our future generations. Everyone has guessed that the Third World war will be for water. But why so when our Earth is covered 71% by water. Because and 2% can be used for drinking purposes and we are polluting that also with industrial waste, garbage and what not. Actually "Nature is enough to fulfill everyone's need but we humans are very greedy. We humans are so foolish that the one who cleans roads, collect garbage is referred as "Kachrewala" but in reality he/she should be called "Safaiwala." And in reality the one who generate the waste should be "Kachrawala" that is "We".

Also, United Nations has formed the 17 SDG (Sustainable Development goals) but how many we are following. In some more years in the name of development and progression we are very closer to destroy Earth. According to, Biology "Humans are the wisest." But are we really? We know that burnin of fuels for vehicles really releases

harmful chemicals but then also we use it for even 2 min walking distance. We know we should not waste water but still we do. But animals never harm nature because they are smarter than us.

Also, we have the attitude that what can I do, will it make any effect. But a single person is also able to make a big change. And "Jadhav Nolai Payeng is the best example. He himself lonely formed a forest in acres by planting trees. So how can we say we alone are not sufficient. Be it AQI, Pollution we never stop. We humans are so selfish, we never care about any living organism other than us. So many animals have been extincted just because of our so called "Development". We are destroying their habitat by destroying forests. Any the consequences we are facing. We have changed the pattern that to "natural pattern" of Earth.

Now, climate change is also a big problem. Now its time to take action. We know the consequences Delhi is facing. But still we don't take any action. We just sit saying Government is not taking any action. But are we? We are not doing so great with the Environment. If we try to kill our greed and make fulfilling our needs this problem can come to an end. And also "Be the change you want to see - Mahatma Gandhi". Also we should remember there is "No planet B". Just protect our precious Earth. We have to take actions we have to bring sustainability into the picture. Now, don't be the part of problem be a part of solution. And sustainability is a great solution. Moreover, India with a population of 140 crores should really take action we should think about the issue. We should try to make our population quality wise great. So start protecting the planet, nature, surrounding from now. So, for sustenance sustainability is a must.

Sustainability - The New Currency of Progress

Falak Riyaz Shaikh
FYBSC (A)

It is truly said that we have not inherited the Earth from our ancestors but from the future children. It is remarkably crucial that giving it in the same way as we have received the Earth and natural resources without further damaging and stealing it. Sustainability is the new way of approaching with natural resources and giving it back to the future generation. Therefore, it is said that,

Sustainability is not a concept but concern.

Every river speaks, but gets neglected.....

Every forest screams, but gets burnt.....

Everyday the Earth is screaming and speaking loud, but no one cares....

Those who care, listen to it.....

Since, the man has stepped on the Earth, it is utilizing each and every component of nature. Human beings get his benefit by using various natural resources. We could not even imagine our existence without the existence of nature. We have polluted the nature, degraded it with toxins, exploitation of fossil fuels and available natural resources, extincted the numerous animals as well as plant species. We have not left the movement to admire and cherish this glorious place. One of the indispensable reasons for this is pollution.

Pollution is the unnecessary and unacceptable changes in the environment due to natural or man-made activities. It is further classified as air, water, noise, soil and so on...

These activities have been tremendously increased after the rise of globalisation in the late 1990s. Many of the countries think that achievement and progress can be done only when we are exploiting natural resources, however, there are countries which have proved that with the use of green energy and toxin-free components. We can develop with minimum expenditure and maximum economic growth and outcome. Use of solar panels, organic fertilizers, eco-friendly bags and cloth can help us significantly in improving, rebalancing and reviving nature once again. However if this continues to harm the nature and so on without any action, this will go to affect human beings, animals and every creature's existence. We have experienced some of these as well such as global warming, melting of glaciers, increased number of natural phenomena like Earthquake, Tsunami, Volcanic Eruption etc. Nature is screaming and this is the final wake up call. That is why Great Mahatma Gandhi quoted : "Earth is big enough to satisfy everyone's need, But not everyone's greed."

Sustainability – The New Currency of Progress

Sakshi Mukesh Maurya

FYJC - D

In the 21st century, the definition of progress is undergoing a powerful transformation. Earlier, development was measured mainly in terms of industrial growth, urban expansion, and economic output. However, such progress often ignored its harmful impact on the environment and society. Today, sustainability has emerged as the new currency of progress, redefining success in a more responsible and long-term manner.

Sustainability refers to the ability to meet present needs without compromising the ability of future generations to meet their own. It is built on three important pillars-environmental protection, economic growth, and social well-being. A truly progressive society is one that balances all three aspects rather than focusing on short-term gains.

Environmental sustainability is the most urgent concern in today's world. Rapid industrialization and excessive consumption have led to serious issues such as climate change, global warming, deforestation, and pollution. Rising temperatures, melting glaciers, and unpredictable weather patterns are clear warning signs. To address these challenges, the world is shifting towards renewable sources of energy like solar and wind power. Governments and organizations are also promoting practices such as afforestation, waste management, and water conservation. These efforts are essential to protect the planet and ensure a healthy environment for future generations.

Economic sustainability is equally important. A strong economy should not only generate wealth but also ensure that resources are used efficiently and responsibly. In recent years, the concept of a "green economy" has gained importance. Businesses are now focusing on ecofriendly production methods, reducing carbon

footprints, and adopting sustainable supply chains. Companies that follow ethical practices and prioritize sustainability are gaining more trust and respect. Thus, sustainability is becoming a key factor in economic success.

Social sustainability focuses on creating a just and inclusive society. It includes access to education, healthcare, employment, and equal opportunities for all individuals. True progress cannot be achieved if there is inequality, poverty, and lack of basic facilities. Sustainable development aims to uplift every section of society and ensure a high quality of life for all. It promotes values such as equality, justice, and community well-being.

Sustainability is not just the responsibility of governments and organizations; individuals also have a crucial role to play. Simple actions like saving electricity, reducing plastic usage, recycling waste, and using public transport can make a significant difference. Students, especially, can contribute by spreading awareness and adopting eco-friendly habits in their daily lives.

Moreover, global initiatives like sustainable development goals (SDGs) highlight the importance of collective action. Countries around the world are coming together to address global challenges and build a sustainable future. This shows that sustainability is no longer optional-it is essential for survival.

In conclusion, sustainability has become the true measure of progress in the modern world. It ensures that development is not only rapid but also responsible and inclusive. The future of humanity depends on how wisely we use our resources today. By adopting sustainable practices, we can create a world that is not only prosperous but also balanced and secure. Thus, sustainability is rightly called the new currency of progress, as it determines the real value of our growth and development.

Sustainability - The New Currency of Progress

Paul Hawken

Palak Ananta Tare

SYJC - H

**The Earth is not our property,
but we are the property of the Earth.**

Humans have long overexploited nature in the pursuit of development, often prioritizing immediate needs over long-term consequences. This relentless focus on growth has led to severe environmental degradation, the full extent of which is only now becoming clear. Rising global warming, increasing climate change, alarming biodiversity loss and widespread pollution have forced us to rethink not only our actions but also our very definition of progress. Traditionally, progress was measured through economic growth, industrial expansion and technological advancement, with nations competing to produce more, consume more and grow faster.

Today, sustainability is emerging as the new currency of progress which emphasizes balance and responsibility. Sustainability is redefining progress in a way that secures both present needs and the future of our planet. This shift in perspective marks a turning point in human history, where development is no longer seen as a race for dominance but as a responsibility toward preservation and balance. Sustainability, therefore, is not just an environmental concern but a comprehensive approach that integrates economic growth, social equity, and ecological protection.

Sustainability is the ability to be maintained at a certain rate or level. This idea challenges the earlier “take-make-dispose” model of consumption and encourages a circular economy where resources are reused, recycled and conserved. By doing so, sustainability ensures that growth is not temporary but long-lasting and resilient. It promotes a balanced approach where economic development does not come at the expense of environmental health.

What makes sustainability unique is that it does not just focus on solving problems—it focuses on redesigning systems. For instance, instead of merely reducing pollution, sustainable cities aim to become “net-zero” where they remove more carbon from the atmosphere than they emit. This reflects a shift from damage control to regenerative development. Sustainability promotes renewable energy sources such as solar, wind and hydro power, reducing dependence on fossil fuels and lowering carbon emissions. Countries and industries are now investing in green technologies, recognizing that environmentally responsible choices can also drive innovation and economic growth.

True progress cannot be achieved if it benefits only a small section of society while leaving others behind. Access to basic needs such as clean water, education, healthcare, and employment for all may be a challenge now but adapting sustainable resources may make this possible in the long run. In this way, sustainability becomes a tool not just for environmental protection but for creating a just and balanced society.

Industries and businesses are also playing a crucial role in this transformation with the support of the government. Companies are increasingly adopting sustainable practices, not only to comply with regulations but also to meet consumer expectations. Green buildings, sustainable supply chains and eco-friendly products are becoming the new norm. This shift demonstrates that sustainability and profitability are not mutually exclusive; in fact, sustainable practices often lead to long-term economic benefits and increased efficiency. Therefore, sustainability is a powerful driver of futuristic and responsible innovation.

An often-overlooked dimension of sustainability is its psychological and

cultural impact. Sustainable living promotes mindfulness, encouraging individuals to reconnect with nature and make conscious choices. It shifts mindsets from ownership to responsibility and from excess to sufficiency. In this way, sustainability is not just a policy or practice—it becomes a lifestyle and a value system that shapes human behaviour and culture. This is taken into high consideration by the youth today.

The new generation now have the responsibility of taking care of our mother earth and it is a sign of true progress that they are conscious about it from a young age. Movements led by youth are redefining priorities and holding systems accountable, proving that sustainability is also a generational shift in thinking.

This sounds good on paper but in real life there are many real time changes to be

made. Changing “traditional” methods and mindsets can be a huge task especially since everyone is so used to them. Sustainability can be practiced efficiently if we put more conscious effort into it.

In conclusion, sustainability is no longer an optional idea but a transformative force that is redefining the very meaning of progress. It goes beyond preserving nature to reimagining how we live, produce and think. As the world stands at a critical crossroad, embracing sustainability as the new currency of progress offers a path towards innovation, resilience and harmony. It ensures that progress is not measured by temporary gains, but by the lasting well-being of people and the planet.

Sustainability, ensuring the life on earth, is an infinite game, the endless expression of generosity on behalf of all.

Sustainability - The New Currency of Progress

Khan Haleema
SYJC-D

What does progress really mean? Is it the height of our skyscrapers, the speed of our technology, or the size of our economies? For a long time, humanity answered "yes" to all three. We built faster, produced more, and consumed enthusiastically—rather like a guest at a buffet who assumes the food will magically refill forever. Only recently have we begun to notice that the buffet, unfortunately, is not infinite.

Civilization once celebrated growth as if the planet were an endless warehouse. Forests supplied timber, oceans provided fish, rivers powered industries, and societies expanded their ambitions with admirable confidence. But nature has a quiet way of reminding us of a simple scientific truth: systems that are endlessly exploited eventually protest. Climate patterns shift, resources strain, and suddenly the idea of "unlimited progress" begins to sound a little like a mathematical

error. This realization has slowly reshaped our understanding of development. Today, sustainability is emerging as the true measure of advancement. Currency represents what a society values most. Once nations valued gold, later oil and industrial power. Now, a wiser perspective is beginning to take hold: the greatest wealth of a nation lies in its ability to grow without destroying the foundations that support that growth.

Environmental thinker Lester Brown expressed this relationship elegantly when he observed, "The economy is a wholly owned subsidiary of the environment." The statement carries a subtle humour—as if the planet were the chief executive and humanity merely a department trying to meet quarterly targets. Yet the message is profound: without healthy ecosystems, stable climates, and responsible resource use, even the strongest economies eventually weaken.

Sustainability therefore asks us to rethink progress in a more balanced way. True development is not simply about expanding industries; it is about ensuring that economic prosperity does not exhaust natural systems and that the benefits of growth strengthen societies rather than strain them. A thriving environment supports productive economies, productive economies support stable communities, and stable communities protect the environment in return. When these elements reinforce one another, progress becomes durable rather than temporary.

Nature itself offers an elegant model of this balance. In a forest, nothing is wasted. Leaves fall, decompose, and nourish new growth. Energy circulates, resources renew, and the entire system thrives through cooperation rather than reckless consumption. Humans, however, have sometimes managed the curious

achievement of creating objects that last centuries but are used for minutes. If forests followed our economic habits, even autumn might require a waste-management department. An old proverb captures the spirit of sustainability with quiet wisdom: "We do not inherit the Earth from our ancestors; we borrow it from our children." Borrowed things, as most people learn early in life, should ideally be returned in good condition.

The societies that succeed in the future will not merely be those that grow the fastest, but those that grow the wisest those that protect their natural wealth, strengthen their economies responsibly, and ensure that progress benefits generations yet to come. In that evolving vision of development, one idea stands clearer than ever: Sustainability - the new currency of progress.

Intercollegiate Essay Writing Competition on the occasion of National Science Day 2026.

The Department of Microbiology of K J Somaiya College of Science and Commerce, in association with the Microbiologists Society of India (MBSI), organized an Intercollegiate Essay Writing Competition on the occasion of National Science Day 2026. The event witnessed enthusiastic participation from 20 students representing various colleges across Mumbai, Thane, Navi Mumbai, and Nagpur. The participants showcased commendable scientific awareness and analytical thinking through their well-researched and insightful essays.

In recognition of outstanding performance, we are delighted to showcase the winning entry along with the essay of our college student below.

Second Prize - Ratnani Guneet Chander Ela
K.J. Somaiya College of Science and Commerce
FYBSc-A

Science for Society : Waste Heat Recovery in Thermal Power Plants via a New Hybrid System : Reducing Environmental Impact

Ratnani Guneet Chander Ela
FYBSc - A

Many thermal/Coal power plants like Chandrapur Super Thermal Power Station (Maharashtra's Biggest Coal based Power plant) have contributed 129.2 million tonnes of CO₂ in a year in the Vidarbha region [1]. In these regions, residents face various environmentally driven health issues, including asthma attacks [2]. While this project has nothing to do with this CO₂ emission, it focuses on the utilization of the heat released from such power plants. Approximately around 3.6×10^{14} Joules of heat is released each day in the environment. The temperature of the main stream of such plants rises to 400-500°C - for Chandrapur Super Thermal Power Station, it's 537°C- which is later moved to a condenser and cooling water's temperature rises to 35-40°C, contributing a little to the global warming each day [4]. This water is mostly then released into the nature, which affects the aquatic life and causes oxygen deprivation [5],[6]. There are some thermoelectric generators (heat to electricity) that can be used in the industries, where it is used to reduce heat produced by big Industries and generate 'extra' electricity out of it [3],[8],[9]. Such Generators are also used in Photovoltaic panels with MPPT circuit, to utilize the heat generation on the panels [10].

Using a high-quality thermoelectric generator (TEG) for this heat released, sounds very promising and creating a hybrid system where the total efficiency (Thermal Power Plant + TEG) increases. Such hybrid system isn't yet directly discussed nor implemented on such power plants. There are papers on integrating Thermoelectric generator with internal combustion engines (ICE) using the organic Rankine cycle (ORC) [11] and strongly suggests a recognized potential for their eventual application in large-scale power generation to improve energy sustainability and reduce

environmental impact [3],[8],[9]. TEG like 'MPG PowerBlock100 series 200 Beta' produced by Micropower Global having an efficiency of up to 12% can be used for this purpose [7]. Such generators can be attached to the pipe of the main streams directly or through some materials such as Graphene and Carbon Nanotubes, having high conductivity of heat of 3,000 to 5,000+ W/m·K[15],[16]. Since there's so much heat in this water/steam and is flowing through it and not stationary, setting up a single generator is not practical-based favorable. Thus, having multiple TEGs attached to the main stream pipe after the turbines section part is over and moving the steam into the condensation chamber, significantly decreases the temperature. Thus, comparatively lower heat is absorbed by the environment.

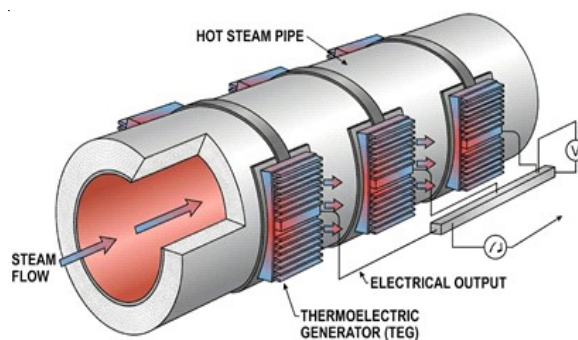


Figure 1 : Installation of TEGs along the main flow stream.

As shown in Figure 1, these thermoelectric generators (TEGs) are separated at a distance and initially all TEGs operate at peak temperature difference. After some time, the temperature starts to decrease which results in a decrease in efficiency of each TEG. After a long time, the temperature of the steam (suppose initially 500K difference) could go to 180K or even lower depending upon the time of steam kept the same pipe. It is suggested that

water/steam used in the first batch- after production of electricity through turbines and before putting into condensation chamber -should be routed into a separate, isolated chamber integrated with the TEGs. In this way, we can significantly decrease the temperature over an extended period- achieving approximately 70% to 85% heat recovery- before the final cooling stage in a condensation chamber, we can reuse the same water in future cycles of thermal electricity production. Thus, maximum heat recovery is achieved through this hybrid system.

While there are some special materials like Bi_2Te_3 -based semiconductors which have potential to work at low temperature with MPPT circuits but their efficiency is very low and they can't perform well at much higher temperatures below 500K [13],[14]. There exists a two stage TEGs system which increases the efficiency by a few percentages like when the high temperature skutterudites and low temperature bismuth tellurides are operated at a high-temperature and the low-temperature stage respectively [12]. Bi_2Te_3 TEG have higher efficiency at low temperature difference as compared to two stage TEG and 'MPG PowerBlock100 series 200' TEG. Therefore, we can use such single-stage Bismuth Telluride low temperature TEGs after 'MPG' TEG's efficiency is decreased well enough at low temperature difference, so that this TEG can take over. We can add some mechanism that after given time, it will attach these low temperature TEGs to this isolated chamber, thus, calculatively decreasing the temperature difference even more. Thus, such Bismuth Telluride TEGs method could also work in this hybrid system of thermal power plants which can ultimately reduce the heat rejected into the surroundings and contribute to the mitigation of global warming.

The contribution in helping with global warming is very low -approximately 0.000264%- 0.000308% daily- from each thermal power plant but with this sustainable action happening in each thermal plant across the world we can make a difference. According to the International

Energy Agency (IEA) and Global Energy Monitor, there are roughly 12,000 to 15,000 large-scale active thermal power plants globally [19],[20]. So the total contribution will be approximately $0.000264\% \times 12,000 = 3.17\%$ or $0.000308\% \times 12,000 = 3.696\%$ daily. This contribution of removing 3.17% to 3.696% heat in Joules from Earth, will help in significantly reducing the ocean acidification, thermal expansion (sea-level rise) [17],[18] and give much more electricity to the human race. As said, "Global warming wasn't built by one person, and it won't be solved by one- but it can be dismantled by all of us, one joule at a time."

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मराठी विभाग



मी AI बोलत आहे

ओंकार चौगुले

SYJC - Science

अवघड कामे सोपी करतो,
गंमतीद्वारे शिक्षण देतो,
दैनंदिन जीवन सोपे करतो,
मानवाप्रमाणेच बुद्धी चालवितो !
ओळखा पाहू मी कोण ??

नमस्कार मित्रांनो, आतापर्यंत तुम्ही मला ओळखले
असेलच

होय, मी AI बोलतोय !!

मित्रांनो, तुम्ही आतापर्यंत ऐकले असेलच की, “AI
का जमाना आया है, AI चे युग आहे.” पण हा AI म्हणजे
नक्की काय ? तुम्ही तर तुमच्या दैनंदिन जीवनात माझा
म्हणजेच AI चा वापर करता.

पण मी नक्की कोण आहे, याची व्याख्या कोणी सांगू
शकणार नाही.

मी माझी ओळख पटवून देण्यासाठीच आज
तुमच्यासमोर आलो आहे.

AI (Artificial Intelligence) म्हणजेच कृत्रिम बुद्धिमत्ता
हे आजच्या युगातील प्रगत तंत्रज्ञानांपैकी एक विकसित
तंत्र-ज्ञान आहे.

मी तुमची जीवनपद्धती, कार्यपद्धती आणि संवाद
साधण्याची पद्धत बदलत आहे. मी एका मशीनच्या स्वरूपात
असूनही अगदी तुमच्याप्रमाणेच संवाद साधणे, विचार करणे,
माहिती देणे, नवनवीन गोष्टी शिकणे इ. कामे करू शकतो.

मला दोन प्रकारात विभागले जाऊ शकते. पहिला
प्रकार म्हणजे ‘नरो एआय’ आणि दुसरा म्हणजे ‘जनरल
एआय’.

तुम्हाला माहित असेलच की, मोबाईल चालू
करतेवेळी तुमच्याकडे ‘फेस-आयडी’ हा पर्याय असतो.
शिवाय तुम्ही एखादी माहिती शोधता तेव्हा ‘हॉईस असिस्टंट
वापरता. हा सुधा माझाच चमत्कार आहे बरं का !!

तुमच्या चेहऱ्याची ओळख पटवून घेणे, तुमचा आवाज
ओळखणे ही सर्व निवडक कामे ‘नॅरो एआय’ म्हणजेच
‘संक्षिप्त कृत्रिम बुद्धिमत्ता’ पार पाडते. ‘नरो एआय’ ला

‘कमकुवत एआय’ असेही संबोधले जाते कारण ते काही
निवडक कामेच पार पाडते.

तसं ‘जनरल एआय’ चं नाहीये बरं का !!

जनरल एआय तुम्हाला दैनंदिन जीवनात फार मदत
करते. तुम्हाला हवी ती माहिती तुमच्यापर्यंत पोहोचवणे,
तुमची शंका दूर करणे, तुमच्या प्रश्नांची उत्तरे देणे इ. कामे
‘जनरल एआय’ पार पाडते.

‘जनरल एआय’ हे एखाद्या मानवी बुद्धिमत्तेप्रमाणे
काम करते. ते दैनंदिन जीवनात तुमच्यासाठी फार उपयोगी
ठरते.

माझ्यामध्ये अनेक प्रगत तंत्रज्ञानांचा समावेश असून
त्यामध्ये मशीन लर्निंग, डीप लर्निंग आणि न्युरल नेटवर्क
यांचा समावेश होतो.

मशीन लर्निंग हे संगणकाकडून मिळणाऱ्या माहितीद्वारे
नवनवीन गोष्टी शिकण्याची क्षमता ठेवते. हे वेळ आणि
गरजेनुसार स्वतः मध्ये बदल घडवून आणू शकते.

डीप लर्निंग हे तंत्रज्ञान न्युरल नेटवर्कचा वापर करून
तुम्ही दिलेल्या माहितीचे विश्लेषण करते आणि तुम्हाला
योग्य तो निर्णय देते.

मित्रांनो, माझे तुमच्या दैनंदिन जीवनात अनेक फायदे
आहेत. तुमच्या हातातील मोबाईल ही संपूर्ण एक एआय
यंत्रणाच आहे. तुमच्या मोबाईलमधील गुगल, चॅट-जीपीटी
ही काही माझी वेगवेगळी क्षेत्रे आहेत.

कोणत्याही प्रकारची माहिती चॅट जीपीटी तुम्हाला
काही सेकंदात देऊ शकते. तर गुगल हा माहितीचा अनंत,
अथांग सागरच आहे. अशी एकही गोष्ट नाही की जी
तुम्हाला गुगलवर मिळणार नाही.

फक्त एवढेच नाही तर बाकीच्या अनेक क्षेत्रांमध्येदेखील
माझा उपयोग वाढला आहे. आरोग्यसेवांमध्ये मी रुग्णाच्या
आजाराचे निदान करण्यासाठी डॉक्टरांना मदत करतो, रुग्णाची
उपचार पद्धती निश्चित करण्यासाठी मदत करतो. वेगवेगळ्या
औषधांची चाचणी करण्यासाठी देखील माझी मदत घेतली
जाते.

वाहतुकीचे योग्य नियोजन करणे रस्त्यावरील वाहतुकीबाबत प्रवाशांना आधीच सुचित करणे योग्य रस्ता उपलब्ध करून देणे इ कामेही मी करत असतो.

तुम्हाला माहित असेलच की, अलीकडेच स्वयंचलित गाड्यांचा जन्म झाला आहे. ह्या स्वयंचलित गाड्यादेखील माझ्यावरच अवलंबून आहेत. सुरक्षित प्रवासासाठी त्या गाड्यांमध्ये सेन्सर वापरले जातात. हे सेन्सर एआयच्या मदतीनेच बनवलेले असतात.

हल्लीच्या काळात पैश्यांच्या फसवणुकीत वाढ होत आहे. मी वापरकर्त्यांना अगोदरच यापासून सावध करतो, त्यामुळे त्यांची फसवणूक होत नाही व त्यांचे आर्थिक नुकसान होत नाही. मी लोकांना आर्थिक स्थिती सुधरवण्यासाठीही मदत करतो.

मी वेगवेगळी औद्योगिक क्षेत्रे एकमेकांना जोडतो. औद्योगिक क्षेत्रांत नवीन तंत्रज्ञानाचा वापर करून मी खूप काही बदल घडवून आणले आहेत.

पण मित्रांनो, माझे जसे काही फायदे आहेत तसे तोटेही आहेत बरं का !

मी माझ्या उत्तरांमध्ये पारदर्शकता आणि निपक्षपातीपणा ठेवतो. त्यामुळे माझी उत्तरं काही वेळा तुम्हाला न पटण्यासारखी असू शकतात.

मी तुमच्या वैयक्तिक माहितीचा वापर करून तुम्हाला वेगवेगळे सल्ले देत असतो. त्यामुळे कधी कधी तुमची गोपनीयता आणि सुरक्षितता यांबाबतीत प्रश्न निर्माण होऊ शकतो.

माझा वापर करताना तुम्हांला जबाबदारपूर्वक राहणे आवश्यक आहे.

बस्स !! खूप काही बाललो आज. बरं वाटलं तुमच्याशी बोलून. काळजी घ्या, आनंदी राहा आणि माझ्या वापराने तुमचे जीवन सोप बनवा.

भेटू पुन्हा कधीतरी !!!

मी AI बोलत आहे...

आर्या विलास घाणेकर

FYJC - A

ए! ए! ए! कुठे चाललास एवढा घाईगडबडीत आणि एवढं काय शोधतोस मोबाईलवर सांग बर! मलाच शोधतोय ना. माझी गरज आता सर्वांना आहे. सर्वत्र माझा प्रसार आणि प्रभाव आहे. माझ्यामुळेच तुम्हा सर्वांना कोणत्याही प्रश्नांची उत्तर ताबडतोब मिळतात. संपूर्ण जग आता माझ्यावर अवलंबू लागलं आहे. आता तर ओळखलच असशील मला, मी AI म्हणजे कृत्रिम बुद्धिमत्ता बोलत आहे.

“शोध घेतला वैज्ञानिकांनी निर्माण केली ज्ञानाची सत्ता जिकडे-तिकडे प्रसार माझा नाव माझे कृत्रिम बुद्धिमत्ता” या २० व्या शतकात जग पुढे जात असून विज्ञान आणि तंत्रज्ञानात प्रगती करत आहे. नवनवीन मशीन शास्त्रज्ञ निर्माण करत आहे. सगळ्या देशांत आता इंटरनेट आहे त्यामुळे माहितीचा प्रसार होतो. मी एक तंत्रज्ञान आहे. माझ्याकडे मानवी बुद्धिमत्ता असून वैविध्य विचार करण्याची क्षमता आहे. माझा उपयोग करून ज्ञानप्राप्त करून अनेक बेरोजगार नवनवीन कौशल्ये शिकत आहेत. तसच मशीन लर्निंग,

प्रोजेक्ट मेकींग, शेअर मार्केट असे ना.ना. विविध प्रकारचे कोर्सेस माझ्यामुळे तयार झाले आहेत. त्याचा उपयोग आजची पिढी झपाट्याने करत आहे. विज्ञान क्षेत्रात, औद्योगिकीकरणात क्रांती होत आहे. भारतात AI intelligence या संकल्पनेमुळे देशाची आर्थिक व्यवस्था वाढत आहे. माझा उदय हा वैज्ञानिकांनी फार मोठ्या प्रयत्नांनी केला. कारण आजच्या जगात टेक्नॉलॉजी म्हणजे तंत्रज्ञान प्रगत होत आहे. त्यामुळे बुद्धिमत्ताची कस लागणे म्हणजे कोणत्याही प्रकारची माहिती, त्याचे संदर्भ लगेच मिळण्यासाठी एका सेकंदात माहिती मिळण्यासाठी या आणि अशा अनेक संकल्पनांना मदत होण्यासाठी माझा उदय झाला.

आजच जग विज्ञान आणि तंत्रज्ञानाच्या पुढे जाऊन शिक्षणाला महत्त्व देत माझा गरजेपेक्षा जास्त वापर करत आहे. माझा उदय जालाय तो मोठ-मोठ्या कंपन्यांना माहिती देण्यासाठी. पण आज-कालची पिढी माझा खूप वाईट वापर करते. याचा मला खूप राग तर येतो पण त्याहून

अधिक वाईट वाटते. आजचे विद्यार्थी माझ्यावर त्यांची गणिताची, इंग्रजी आदि अनेक विषयांची उत्तर शोधतात. स्वतः उत्तर शोधण्याचा प्रयत्न करीत नाही. मानवी बुद्धिमत्ता असून त्याचा वापर करीत नाही हे फार चुकीचे आहे मला माहित आहे. कोणत्याच विद्यार्थ्यांना उत्तर लगेच मिळत नाही वा एखादे उत्तर येते तर पण दुसरे उत्तर येत नाही. पण तुम्ही विद्यार्थी येत असूनसुद्धा माझ्यावर उत्तर शोधतात. यामुळे मला काहीच त्रास होणार नाही, पण तुम्हाला तोटा होईल, तुम्ही आळशी व्हाल आणि विचार करण्याची क्षमता तुमचे कौशल्य विसरत जाल. हे असे होऊन चालणार नाही. तुम्हाला माझा किती वापर करायचा हे तुमचे तुम्हाला समजले पाहिजे. असे नाही झाले तर तुमचे पुढील भविष्य धोक्यात आहे.

“गरजेपेक्षा जास्त करू नका माझा वापर नाहीतर होईल जीवन तुमचे माझ्यावरच निर्भर”. सुरुवातीला माझा वापर फार नव्हता. लोक गरजेपुरता माझा वापर करायचे. पण आज जो तो माझाच उपयोग करत आहे. माझ्यावर विविध माहिती मिळते. ती तुम्ही तुमच्या भाषेत लिहा पण सगळच जर तुम्ही माझं बघून लिहाल तर तुम्ही विचार

क्षमता हरवाल. तु सुद्धा आता मोबाईलवर हेच करत होतास ना. मला मान्य आहे तुम्हाला माझी गरज आहे. पण तुम्ही तर माझ्यावर अवलंबून राहायला लागले आहात. हे बघा मी कृत्रिम बुद्धिमत्ता आहे. माझ्याद्वारे यंत्र, रोबोट बनवले गेले आहे. हे सर्व तुम्हाला नवीन नसेल पण हे बघा तुम्ही सर्व मानव माझ्या आहारी येत आहे. त्यामुळे तुमच्या बुद्धिमत्तेचा समतोल राखा. तुम्ही तुमच्या बुद्धीने प्रगती करा तसेच यश मिळवा. जीवनात सफल व्हा. तुम्ही जीवनात यशस्वी झालात ते ही माझा थोडा फार उपयोग करून तर मी आनंदी होणार आहे. फक्त तुम्ही माझ्यावर निर्भर राहू नका. तसेच गरज आणि हट्टीपणा यातला फरक समजून माझा तुमच्या जीवनात योग्यरित्या वापर करा ।

“जीवन तुमचे ध्येय तुमचे आहे माझा तुम्हास आधार, काळाच्या ओघात नका हरवू, नाहीतर व्हाल बुद्धिमत्तेकडून निराधार!”

“यंत्र, रोबोट निर्माण झाले माझ्यातले कौशल्य वापरून, जीवन होईल समृद्ध तुमचे ठामपणाने स्वतःची बुद्धिमत्ता विकसित करून!”

वाचन संस्कृती ज्हास कारणे आणि उपाय

वाचाल तर वाचाल !!

मनिष वांदरे

FYJC - B

एखाद्या ठिकाणाचा इतिहास, भाषा, शिक्षण यामुळे तेथील संस्कृती व्यक्त होते, विकसित होते. वाचन ही देखिल अशीच

व्यक्त आणि विकसित होणारी संस्कृती आहे. साने गुरुजींनी भारतीय संस्कृतीची सुंदर व्याख्या केली आहे.

“भारतीय संस्कृती ही सर्वांना आपलेशे करते. तिला संकुतिपणाचे वावडे आहे.” वाचन संस्कृती ही तशीच व्यक्त आणि विकसित संस्कृती आहे. वाचन संस्कृती संतांपासून अनंतापर्यंत, अंधारातून उजेडाकडे, भेदापासून अभेदाकडे, आरडाओरडीपासून शांततेकडे जाणारी आहे. वाचन आपला व्यासंग वाढवू शकते. वाचनाने माणसाला चिरंतन असे ज्ञान प्राप्त होते.

अन्न, वस्त्र, निवारा या माणसाच्या मूलभूत गरजा आहे. भौतिक गरजांबरोबरच बौद्धिक विकासही होणे आवश्यक आहे आणि ते करण्याचे काम वाचन करते. याच वाचन संस्कृतीचा आज ज्हास होत चालला आहे. वेळेचा अभाव, तंत्रज्ञानाचा वापर, कौटुंबिक प्रोत्साहन इत्यादी अनेक कारणांनी आज वाचन संस्कृती नष्ट होत आहे. आजच्या धावपळीच्या युगात वेळ काढून पुस्तक वाचणे अनेकांना शक्य होत नाही. आजचे युग हे शर्यतीचे युग आहे. सर्व जण कोणत्या ना कोणत्या शर्यतीत कोणा ना कोणाविरुद्ध धावतच आहेत. परंतु या शर्यतीच्या नादात पुस्तके मागेच राहिली आहेत. याचबरोबर तंत्रज्ञान एवढे विकसित झाले आहे की, एक पान पुस्तकाचे वाचण्याऐवजी १० रील बघणे सर्वांना सोयीस्कर वाटत आहे. आई-

वडील मुलांना पुस्तक वाचण्यास प्रोत्साहन देत नाहीत. उज्ज्वल भविष्याबरोबर पुस्तकाची साथ असणेही तेवढेच महत्वाचे आहे. हे ते विसरत जात आहेत. आजच्या काळात ग्रंथालयाची जागा कॅफेनी, बुक स्टॉल ची जागा कॉफी कॉर्नरने पुस्तक परीक्षणाची जागा मुवी रिव्हूने आणि वाचन कट्ट्याची जागा ऑडिटोरिअमने घेतली आहे. इत्यादी अनेक कारणांनी आज वाचन संस्कृतीचा न्हास होत आहे.

अजूनदेखील वेळ आपल्या हातातून गेलेली नाही. वाचन संस्कृती लुप्त होण्याआधी तिला जपले पाहिजे आणि तिला अभिजात कलेचा इतिहास मिळवून दिला पाहिजे. यासाठी आपल्याला जमतील तेवढे प्रयत्न केले पाहिजे. या धावपळीच्या युगात थोडासा वेळ काढून एखादे तरी पुस्तक वाचावे. दरवर्षी कमीत कमी एक पुस्तक वाचावे. मोबाईल मध्ये रील बघण्याऐवजी एक पान पुस्तकाचे वाचावे, रिकाम्या वेळेत उदा. ट्रेन मध्ये जाता-जाता एखादे पुस्तक वाचले तर किती उत्तम! आई-वडीलांनीदेखील मुलांना पुस्तक वाचण्यास प्रोत्साहन दिले पाहिजे. त्यांनीही मुलांसमोर मोबाईल

बघण्याऐवजी पुस्तके वाचावीत कारण मुलही मोठ्यांनाच बघून शिकतात आणि आजची लहान मुलं हीच उद्याची तरुण पीढी आहे. जागोजागी वाचनकट्टे उभारले पाहिजेत. ग्रंथालये स्थापन केली पाहिजेत व जी जुनी ग्रंथालये आहेत त्यांची जोपासना केली पाहिजे. इत्यादी मार्गांनी आपण वाचन संस्कृतीची जोपासना केली आहे. आज जर आपण वाचन संस्कृती जपली तरच पुढच्या पिढीला आपण पुस्तक परीक्षणासारख्या गोष्टी दाखवू शकतो.

पुस्तके उदारवृत्तीची असतात. ती आपल्याला त्यांच्यातील ज्ञान घेण्यापासून कधीही अडवत नाहीत. वाचनामुळे माणून अद्यवात होतो. देवाने माणसाला वाचनाची सुंदर कला दिली आहे. तिचा वापर केला पाहिजे. पुस्तक वाचनाने कधीच वेळ वाया जाणार नाही हे निश्चितच आहे. त्यामुळे वाचूया ! वाचायला लावूया ! आणि वाचन संस्कृती जपूया ! आणि आता या नवीन वर्षी एक तरी पुस्तक वाचण्याचा संकल्प करूया.

शाश्वतता प्रगतीचे नवे चलन

यश अमर बाबर

FYJC - A

‘प्रगती’ हा विषय म्हटल्यावर डोळ्यासमोर येणारे चित्र म्हणजे मोठ-मोठ्या इमारती, वाहतुक, कारखाने इत्यादींचा समावेश होतो. हा विकास मानवाला पुढे नेणारा असावा असे वाटते. पण, मोठ-मोठी इमारत बांधल्यावर झाडे कुठं लावणार? वाहतुक वाढली की वायु प्रदूषण कसे रोकणार? कारखान्यांमुळे जे जल प्रदूषित होते त्यावर उपाय काय? म्हणून ‘शाश्वतता’ हा उपाय काढण्यात आला.

शाश्वतता म्हणजेच प्रगती सोबत निसर्ग सांभाळणे. ज्याने भविष्यात माणसालाच फायदा होतो. शाश्वतता हे प्रगती व निसर्ग यांना एकत्र करतो म्हणून ‘शाश्वतता’ हे प्रगतीचे नवीन चलन झाले आहे. शाश्वततेचे अनेक प्रकार आहेत. जसे नैसर्गिक शाश्वतता: नैसर्गिक तत्त्व जसे प्राणी, पक्षी व झाडे यांची रक्षा करत तांत्रिक प्रगती करणे. आर्थिक शाश्वतता: आर्थिक दृष्टीस प्रगती करून निसर्गाला धक्का न लागू देणे. सामाजिक शाश्वतता; समाजात गरिबी, बेरोजगारी, असे विषय हाताळत, करू शकणारी प्रगती. शाश्वतता

असल्याने आपल्याकडे समाज, निसर्ग व प्रगती मध्ये संतुलन राहते. पर्यावरणाची रक्षा केल्याने आपल्याला असल्या संकटांच्या सामोरी जावे लागत नाही. आपल्या केलेल्या विकासात आपल्या निसर्गाचा विनाश न व्हावा म्हणून शाश्वतता ही गरजेचीच आहे.

आपण वृक्षतोड करतो, कारखाने बांधतो व मूळ वनस्पती व जैवविविधतेला नुकसान सहन करायला लावतो. याने निसर्गावर पडणारा प्रभाव हा वाईट आहे. असे चालू राहिल्यास आपल्या येणाऱ्या पिढीला वेगवेगळे वनस्पती व प्राणी हे फक्त पुस्तकातच पहावे लागतील. त्यामुळे, आपल्या भविष्यातल्या येणाऱ्या पिढीसाठी आपण निसर्गातील विविध प्राणी व वनस्पतींचे रक्षण करावे येथे नैसर्गिक शाश्वततेची गरज आहे.

आपण आता ज्या जगात जगतोय, तिथे समाजात अजून समानतेचा भाव निर्माण झालेला नाही. आपले धन जरी वाढत असते तरी जनसंख्याही वेगाने वाढत आहे.

त्यामुळे गरिबी वाढते. याच्यावर नियंत्रण करणे ही गरजेचे आहे नाहीतर आपला देश हा सामाजिक व आर्थिकरित्या बळकट होत नाही. यासाठी सामाजिक व आर्थिक प्रकाराची शाश्वतता गरजेची आहे.

आपण जर वृक्षतोड करण्याऐवजी जर विविध झाडे लावली व वनपशूंना राहण्यात सहकार्य केले तर प्रगतीत निसर्गाची अडचण नाहीतर योगदान वाढते. असे झाल्यास दुष्काळ व पूर हे टाळता येते. जनसंख्या नियंत्रित केल्याने गरिबी, बेरोजगारी व गुन्हे रोकता येतात. अशाप्रकारे शाश्वतता ही माणसाला प्रगतीच्या मार्गावर पुढे घेऊन जाते. शाश्वततेचे कोणतेही दुष्परिणाम नाहीत. निसर्गाने माणूस घडवला व आपले रक्षण केले. मग प्रगतीसाठी पण निसर्गाचा हात आपल्या पाठीशी हवा म्हणून शाश्वतता गरजेची आहे.

शाश्वतता नसल्यास विकासाचे फार काय महत्त्व राहत नाही. विचार करा! एक असे जग जेथे मोठ-मोठ्या काचेच्या इमारती, अनेक विमानं, आधुनिक तंत्रज्ञान आहे पण, न प्यायला पाणी आहे, न श्वास घ्यायला झाड उरली आहेत. ओसाड असे मैदान जिथे सकाळी कधीच 'चिमणीची' चिऊचिऊ ऐकू येत नाही ! हे जग प्रगती झालेले आहे.

पण, या जगातल्या मुलांनो वनपशू व पक्षी फक्त पुस्तकात पाहिले. हे जग विकसित असलं, तरी चांगलं म्हणता येणार नाही. कारण, येथे माणसाला प्राणवायु झाडे नाहीतर सिलेंडर देतात. ते पण विकत घ्यावे लागते.

त्या विरुद्ध शाश्वतता असली की विकास हा अमूल्य आहे. सकाळी उठल्यावर घराबाहेर ओसाड पडलेलं मैदान नसून पाना-फुलांनी बहरलेलं हिरवंगार रान आहे. आधुनिक तंत्रज्ञान आहे पण, त्यासोबत या जगात वन आणि अरण्यसुद्धा आहेत. वाघ हा एका कोठडीत बंद नसून, जंगलात निळ्या आकाशाखाली बसला आहे. या जगातल्या मुलांनी फक्त प्राणी पाहिले नाहीत तर त्यांचा अनुभव घेतला. वेगवेगळे वस्तुपतींचे उपाय करण्यात मनुष्य सक्षम झाला. हे जग होते शाश्वततेचे. या प्रगतीला किंमत आहे कारण, माणसाला स्वच्छ प्राणवायू हा मोफत मिळतो.

आता जशी परिस्थिती आहे, 'शाश्वतता' असल्यानेचं माणसाचे जीवन हे साकार होईल. आपले जीवन हे आरोग्यदायी असेल. सर्वत्र स्वच्छ असे वातावरण व समाजात आर्थिक व सामाजिक संतुलन राहील. त्यामुळे 'शाश्वतता' हे प्रगतीचे चलन आहे.

“शाश्वतता – प्रगतीचे नवीन चलन”

गिरीष मंदार पाटील

SYJC - B

‘प्रगतीची खरी ओळख,
हिरव्या रंगात लपलेली
उद्याची पहाट उजळते,
शाश्वततेने सजलेली..!

आपण बघतो की आजच्या जगात मोठ्या इमारती, मोठ-मोठ्या कंपन्या आहेत हीच खरी प्रगती आहे का? आपण वर्तमानातील प्रगतीसाठी भविष्य खराब करत आहोत. मोठ्या इमारती, कंपन्या उभारण्यासाठी पर्यावरणाला हानी पोहचवत आहोत. मग ह्या सर्वासाठी उपाय काय? तर ह्याचं उत्तर आहे - “शाश्वतता” (sustainability)

शाश्वतता म्हणजे पर्यावरणाचं नुकसान न करता व भविष्य खराब न करता वर्तमानात प्रगती करणे. ‘आपण या जगाचे मालक नव्हे तर हे जग पुढच्या पिढीसाठी उधारीने घेतलय. त्यामुळे आपण आता जितके हे जग सांभाळू

त्याचे संरक्षण करू तेवढाच फायदा आपल्या पुढच्या पिढीला होईल. हाच विचार करता शाश्वतता हा संकल्प आणला आहे. आपल्या पृथ्वीवरील संसाधने मर्यादित आहेत. त्यांचं वापर योग्य रित्या करणं हे आपल्याच हातात आहे. निसर्गाला हानी न पोहचवता कमीत कमी संसाधने वापरून प्रगती करणे हेच शाश्वततेचे उद्दीष्ट आहे. आपण जर हे केलं तर आपलं वर्तमानही टिकेल व भविष्यालाही त्याचा फायदा होईल.

आजच्या जगात देशाची प्रगती त्याच्या जी.डी.पी. वर नाही तर,

कार्बन उत्सर्जन
स्वच्छ पाणी
स्वच्छ हवा
हिरवंगार निसर्ग

या सर्व गुणांवर ओळखली जाते आपली भारत देश देखील शाश्वततेचे पालन करत आहे. भारतामध्ये बरेच उपक्रम राबवले जातात जसे की स्वच्छता अभियान, (Gange) गॅप संकल्प असे बरेचसे उपक्रम राबवले जातात. शाळा, कॉलेज येथे विद्यार्थ्यांसाठी बरेच उपक्रम राबवले जातात. जेणेकरून भविष्यातील पिढीला शाश्वततेचं महत्त्व कळेल.

महाराष्ट्रातील बऱ्याच गावांमध्ये मोहिमा राबवल्या जातात. आता तुम्ही म्हणाल गावात का? गाव तर निसर्गरम्य असतं खरी गरज शहराला आहे. तर तुम्ही बरोबर आहात पण आजच्या जगात गावदेखील शहरामध्ये स्थलांतरीत होत आहे. गावातील शेती, जंगल तोडून इमारती होत आहेत. जर हे असच चालू राहिलं तर आपण पुढच्या पिढीला गाव काय असतं हे काय सांगणार म्हणून गावांकडे 'माझी वसुंधरा' सारखे उपक्रम राबवले जात आहेत. ह्यामध्ये आपण आपल्या गावाचे संरक्षण कसे करायचे हे सांगितलं जातं. आपल्या पृथ्वीवरील जे पंचमहाभूत आहेत त्यांचं महत्त्व सांगितलं जातं. पाण्याची बचत करणे, प्रदूषण न करणे, स्वच्छता ठेवणे असे विविध गोष्टी गावातल्या लोकांना सांगितल्या जातात. ओला कचरा व सुका कचरा याबद्दल माहिती दिली जाते. ओला कचरा एकत्र वेगळा ठेवला तर त्याचा वापर आपण खत निर्मितीसाठी करू शकतो. जेणेकरून हानिकारक केमिकल शेतात टाकून जमीन खराब करण्यापेक्षा चांगलं दर्जेदार पिक पिकेल व सुखा कचरा पुनर्निर्मित केला जातो. ह्या सर्व उपक्रमांमुळे गावदेखील आता प्रगती करत आहेत.

भारतातील शहरांमध्ये देखील शाश्वतता पाळून चांगली प्रगती होत आहे जसे की, इलेक्ट्रीक गाड्या वापरल्या जातात, सोलार एनर्जी वापरली जाते. झाडे लावण्याचे उपक्रम पार पडत आहेत. तरीदेखील आपण काही गोष्टी लक्षात ठेवल्या पाहिजेत जसे की, प्रदूषण टाळलं पाहिजे. सायकल किंवा इलेक्ट्रीक गाड्या वापरल्या पाहिजेत. केमिकल कंपन्यांची घाण पाणी नद्यांमध्ये सोडले जाते. त्यामुळे नद्या प्रदूषित होतात जर आपण इथे एस.टी.डी. चा वापर केला तर नक्कीच प्रदूषण सुद्धा टळेल. जर आपण झाडं तोडत असू तर लगेच दूसरी नवीन झाडे लावली पाहिजे. कारण पर्यावरणातील हवामान झाडांवर अवलंबून असते. ह्या गोष्टी जर आपण पाळल्या तर नक्कीच आपला देश आधुनिक प्रगती करेल.

शेवटी एक गोष्ट नक्की आहे, 'पैसा, उद्योग, इमारती या मर्यादित आहेत. पण निसर्गाचा श्वास अनमोल आहे.' आपण पृथ्वीचे मालक नाही तर तिचे रक्षक आहोत आणि रक्षणाची खरी भाषा म्हणजे 'शाश्वतता'. म्हणून आजच्या जगात शाश्वतता हेच प्रगतीचे चलन आहे. हेच चलन वापरून आपण एक हरित, उज्ज्वल आणि सुरक्षित भविष्य घडवू शकतो.

निसर्गाची ठेव, जपावी जीवापाड,
प्रगतीच्या नावाखाली नको करू आघात
हरित विचारांनी सजली जशी दुनिया,
तशीच होईल नवीन उद्याची सकाळ....!



हिंदी विभाग



“स्थिरता : प्रगति की नई मुद्रा”

अर्चना विश्वकर्मा

‘स्थिरता ही प्रगति की नई मुद्रा है।’ आधुनिक युग में प्रगति की अवधारणा निरंतर बदल रही हैं। पहले प्रगति का अर्थ केवल तकनीकी उन्नति, आर्थिक विकास होता था, परंतु आज यह स्पष्ट हो गया है यदि विकास प्रकृति, समाज और आनेवाली पिढ़ियों की किमत्त पर हो, तो यह दीर्घकालीन नहीं हो सकता। इसी संदर्भ में स्थिरता’ को प्रगति की नई मुद्रा के रूप में स्वीकारा जा रहा है। ‘स्थिरता’ अर्थात् वर्तमान की आवश्यकताओं की पूर्ति इस प्रकार करना कि आनेवाली पीढ़ियों की आवश्यकताओं से समझौता न हो।

पर्यावरणीय स्थिरता आज वैश्विक चिंता का विषय बन गई है। जयवायु परिवर्तन, ग्लोबल वार्मिंग, वनों की कटाई, प्रदूषण यह मानव की गतिविधियों का प्रत्यक्ष प्रमाण है। प्राकृतिक संसाधनों का अंधाधूंध दोहन ने पृथ्वी की सहनशीलता को चुनौती दी है। ऐसी स्थिति में हमें कम प्रदूषण, नवीकरणीय ऊर्जा और पर्यावरण के अनुकूल जीवनशैली को अपनाना अनिवार्य हो गया है।

स्थिरता केवल पर्यावरण संरक्षण तक ही सीमित नहीं है; बल्कि इसका संबंध आर्थिक सामाजिक और सांस्कृतिक संतुलन को बनाए रखने से है। पर्यावरणीय स्थिरता का अर्थ है, प्राकृतिक संसाधनों का विवेकपूर्ण उपयोग और कम प्रदूषण। प्राकृतिक आपदाओं की बढ़ती घटनाएँ हमें यह चुनौती दे रही है कि यदि हमने स्थिर विकास के मार्ग को नहीं अपनाया तो मानव का अस्तित्व संकट में पड़ सकता है।

“स्थिरता केवल एक विकल्प नहीं है, बल्कि आनेवाली पिढ़ियों की सबसे बड़ी आवश्यकता है।”

आर्थिक क्षेत्र में स्थिरता अर्थात् ऐसा विकास जो रोजगार के अवसर उत्पन्न करें, संसाधनों का दुरुपयोग न करे

और दीर्घकालीन समृद्धि सुनिश्चित करे। आज लोग तकनीक, नवीकरणीय ऊर्जा और सतत उद्योगों को बढ़ावा दे रहे हैं। सौर ऊर्जा, पवन ऊर्जा और डिजिटल वाहनों के बढ़ते उपयोग से यह स्पष्ट हो गया है कि स्थिरता अब केवल एक विचार नहीं, बल्कि व्यवहार में भी उतर रही है। यह न केवल पर्यावरण की रक्षा करता है बल्कि नई अर्थव्यवस्था और तकनीकी को बढ़ावा देता है।

सामाजिक क्षेत्र में भी स्थिरता अधिक महत्वपूर्ण है। एक ऐसा समाज जहाँ शिक्षा, स्वास्थ्य, समानता और न्याय सभी के लिए उपलब्ध हो। असमानता, गरिबी और भेदभाव को समाप्त किए बिना कोई भी विकास नहीं हो सकता। स्थिर समाज में सभी वर्गों के लोगों को बढ़ने के लिए समान अवसर मिलते हैं। वास्तव में यही प्रगतिशील कहलाता है।

भारत एक विकासशील देश है इसलिए यहाँ स्थिरता का महत्व और अधिक है। यहाँ जनसंख्या अधिक है और संसाधन सीमित। यदि विकास योजनाएँ स्थिरता के सिद्धांतों पर आधारित हो, तो यह आर्थिक विकास के साथ-साथ पर्यावरण संरक्षण और सांस्कृतिक संतुलन भी मिलता है। स्वच्छ भारत अभियान, आत्मनिर्भर भारत और डिजिटल शिक्षा जैसे पहलें स्थिरता की दिशा में महत्वपूर्ण कदम हैं।

अंततः इससे यह स्पष्ट होता है, कि स्थिरता अब न केवल विचारों में या एक वैकल्पिक विचार नहीं है बल्कि यह प्रगति की महत्वपूर्ण शर्त बन चुकी है।

“स्थिरता यह प्रगति की नई मुद्रा है,
-इसे अपनाएँ, सुरक्षित रखें।
आनेवाली पिढ़ी को एक बेहतर,
भविष्य उपहार में दें ॥”

शाश्वतता : प्रगति का नया चलन

त्रिषा तिवारी

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पृथ्वी हमें हमारे पूर्वजों से विरासत में नहीं मिली है, बल्कि हमने इसे अपनी आनेवाली पीढ़ियों से उधार लिया है।

आज का युग विज्ञान, तकनीक और तेज़ी से बढ़ती प्रगति का युग माना जाता है। हर दिन नई खोज हो रही हैं, नई-नई इमारतें बन रही हैं, उद्योग बढ़ रहे हैं और मनुष्य अपने जीवन को अधिक सुविधाजनक बनाने में लगा हुआ है। लेकिन इस अंधी दौड़ में हम एक बहुत महत्वपूर्ण बात को भूलते जा रहे हैं - प्रकृति संतुलन। आज पृथ्वी पर जो संसाधन हमें सहज रूप से मिलते हैं, वे असीमित नहीं हैं। यदि हम इन्हें इसी तरह बिना सोचे समझे उपयोग करते रहेंगे, तो आनेवाली पीढ़ियों के लिए कुछ भी नहीं बचेगा यही विचार हमें “शाश्वतता अर्थात् Sustainability की ओर ले जाता है, जो आज की सच्ची और जिम्मेदार प्रगति का नया चलन बनता जा रहा है।

शाश्वतता का अर्थ है ऐसा विकास जो वर्तमान की आवश्यकताओं को पूरा करें, लेकिन भविष्य की पीढ़ियों की आवश्यकताओं से समझौता न करे। सरल शब्दों में कहें तो हमें प्रकृति से उतना ही लेना चाहिए जितना आवश्यक हो और उसे सुरक्षित भी रखना चाहिए। परंतु दुर्भाग्य से आज मनुष्य की बढ़ती ज़रूरतें और लालच प्रकृति के लिए सबसे बड़ा खतरा बन गए हैं।

आज जंगल तेज़ी से कट रहे हैं, नदियाँ प्रदूषित हो रही हैं और हवा भी पहले जितनी स्वच्छ नहीं रही। शहरों की चमक और औद्योगिक विकास के पीछे कहीं न कहीं प्रकृति की पीड़ा छिपी हुई है। जिस पृथ्वी ने हमें जीवन दिया, हम उसी के अस्तित्व को संकट में डाल रहे हैं। यदि यही स्थिति बनी रही, तो वह समय दूर नहीं जब मनुष्य को पानी, स्वच्छ हवा और भोजन जैसी मूलभूत आवश्यकताओं के लिए भी संघर्ष करना पड़ेगा।

कल्पना कीजिए एक ऐसे भविष्य की, जहाँ हरे-भरे जंगल केवल किताबों में रह जाएँ, नदियाँ सूख जाएँ और पानी की एक एक बूंद के लिए लोग युद्ध करने लगे। आज

यह कल्पना भले ही काल्पनिक लगे, लेकिन यदि हम समय रहने नहीं संभले, तो यह सच्चाई भी बन सकती है। इतिहास गवाह है कि, भविष्य में यह युद्ध पानी और प्राकृतिक संसाधनों के लिए भी हो सकती हैं। यह विचार हमें एक यह समझने के लिए मजबूर करता है कि, प्रगति का अर्थ केवल अधिक उत्पादन और अधिक उपभोग नहीं होता चाहिए।

सच्ची प्रगति वही है जो प्रकृति के साथ संतुलन बना कर चले। आज दुनिया में धीरे-धीरे यह समझ बढ़ रही है कि, विकास का नया रास्ता शाश्वतता से होकर ही जाता है। और सौर ऊर्जा, पवन ऊर्जा, वर्षा जल संचयन, वृक्षारोपण और पर्यावरण संरक्षण जैसे प्रयास इसी दिशा में महत्वपूर्ण कदम हैं। यह केवल सरकारों या वैज्ञानिकों की जिम्मेदारी नहीं है, बल्कि हर व्यक्ति का कर्तव्य है कि वह प्रकृति के प्रति संवेदनशील बने।

छोटे-छोटे कदम भी बड़ा बदलाव ला सकते हैं - जैसे पानी की बचत करना, अनावश्यक बिजली का उपयोग न करना, प्लास्टिक का कम इस्तेमाल करना और अधिक अधिक पेड़ लगाना। जब समाज का हर व्यक्ति इन आदतों को अपनाएगा, तभी शाश्वत विकास संभव हो सकेगा।

अंततः यह समझना आवश्यक है कि पृथ्वी केवल हमारी नहीं है, बल्कि आनेवाली पीढ़ियों की भी है। यदि हम आज प्रकृति का सम्मान करेंगे और संसाधनों का संतुलित उपयोग करेंगे, तो ही आनेवाली पीढ़ियाँ भी इस सुंदर धरती का आनंद ले सकेंगे। इसलिए आज की सबसे बड़ी आवश्यकता यही है कि हम प्रगति के पुराने अर्थ को बदलें और शाश्वतता को ही सच्ची प्रगति का नया चलन मानें।

इस प्रकार शाश्वतता केवल एक विचार नहीं, बल्कि भविष्य की सुरक्षा का मार्ग है। यदि मानवता को सुरक्षित और समृद्ध भविष्य चाहिए, तो उसे प्रकृति के साथ सामंजस्य स्थापित करना ही होगा। तभी हमारी प्रगति सच-मुच सार्थक और स्थायी बन पाएगी।

सस्टेनेबिलिटी : प्रगति का नया चलन

अंकित लालबहादूर यादव

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आज के आधुनिक युग में विकास और प्रगति हर देश का मुख्य लक्ष्य बन गया है। औद्योगिकीकरण, तकनीकी उन्नति और शहरीकरण ने मानव जीवन को पहले से अधिक सुविधाजनक बनाया है। लेकिन इस तेज विकास के साथ-साथ पर्यावरण पर इसका नकारात्मक प्रभाव भी बढ़ा है। जलवायु परिवर्तन, वनों की कटाई, जल संकट और प्रदूषण जैसी समस्याएँ आज पूरी दुनिया के सामने बड़ी चुनौती बन चुकी हैं। ऐसे समय में सस्टेनेबिलिटी (सतत विकास) का विचार प्रगति का नया चलन बनकर उभरा है।

सस्टेनेबिलिटी का अर्थ है ऐसा विकास जो वर्तमान पीढ़ी की आवश्यकताओं को पूरा करे, लेकिन भविष्य की पीढ़ियों की जरूरतों को नुकसान न पहुँचाए। इसका मुख्य उद्देश्य प्राकृतिक संसाधनों का संतुलित और जिम्मेदार उपयोग करना है। ताकि पर्यावरण सुरक्षित रहे और समाज का विकास भी होता है।

आज दुनिया के कई देश और संस्थाएँ सस्टेनेबल विकास को अपनाने के लिए प्रयास कर रहे हैं। ऊर्जा के क्षेत्र में और सौर ऊर्जा, पवन ऊर्जा और जल जैसे नवीकरणीय स्रोतों का उपयोग बढ़ाया जा रहा है। इससे जीवाश्म इंधनों पर निर्भरता कम होती है और पर्यावरण प्रदूषण भी घटता है।

संयुक्त राष्ट्र के अनुसार, यदि दुनिया इसी गति से प्राकृतिक संसाधनों का उपयोग करती रही, तो वर्ष २०५० तक मानवता को अपनी जरूरतों को पूरा करने के लिए लगभग दो पृथ्वियों के बराबर संसाधनों की आवश्यकता पड़ेगी। यह आँकड़ा स्पष्ट रूप से दिखाता है कि, सस्टेनेबिलिटी को अपनाना कितना जरूरी हो गया है।

कृषि के क्षेत्र में भी सस्टेनेबिलिटी का महत्व बढ़ रहा है। आज किसान जैविक खेती और प्राकृतिक संसाधनों के संरक्षण की दिशा में कदम उठा रहे हैं। इससे भूमि की उर्वरता बनी रहती है और रासायनिक प्रदूषण कम होता है। इसी तरह जल संरक्षण के लिए वर्षा जल संचयन और जल प्रबंध जैसे तकनीकों का उपयोग भी बढ़ रहा है।

सस्टेनेबिलिटी केवल पर्यावरण तक ही सीमित नहीं है। बल्कि यह सामाजिक और आर्थिक विकास से भी जुड़ी हुई है। एक सस्टेनेबल समाज में सभी लोगों को समान अवसर, शिक्षा और स्वास्थ्य सुविधाएँ मिलती हैं। इसके साथ ही आर्थिक विकास ऐसा होना चाहिए, जिससे समाज के सभी वर्गों को लाभ मिले।

आज के युवा वर्ग की भूमिका भी सस्टेनेबिलिटी को बढ़ावा देने में बहुत महत्वपूर्ण है। युवा जागरूकता फैलाकर, पर्यावरण के प्रति जिम्मेदार, व्यवहार अपनाकर और नई तकनीकों का विकास करके इस दिशा में बड़ा योगदान दे सकते हैं। छोटे-छोटे कदम जैसे पेड़ लगाना, प्लास्टिक का काम उपयोग करना, पानी और बिजली की बचत करना भी सस्टेनेबल भविष्य की ओर महत्वपूर्ण कदम हैं।

अंत में कहा जा सकता है कि, सस्टेनेबिलिटी केवल एक विचार नहीं, बल्कि आज की आवश्यकता है। यदि हमें पृथ्वी को सुरक्षित रखना है और आनेवाली पीढ़ियों के लिए बेहतर भविष्य बनाना है, तो हमें सतत विकास के सिद्धांतों को अपनाना होगा। जब विकास और प्रकृति के बीच संतुलन बनाया जाएगा तभी वास्तविक प्रगति संभव होगी।

सस्टेनेबिलिटी (Sustainability) प्रगति का नया चलन

वैष्णवी तिवारी

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आज के आधुनिक युग में विकास और प्रगति हर देश की प्राथमिकता बन गई है। सस्टेनेबिलिटी प्रगति का नया चलन हमारे समय की सबसे बड़ी जरूरत है। यह सिर्फ एक विचार नहीं है, बल्कि एक जीवनशैली है जो हमें भविष्य की पीढ़ियों के लिए एक स्वास्थ्य और समृद्ध दुनिया जोड़ने के लिए प्रेरित करती है। सस्टेनेबिलिटी का अर्थ है, वर्तमान की जरूरतों को पूरा करते हुए भविष्य की पीढ़ियों की आवश्यकताओं से समझौता न करना। इसका मुख्य उद्देश्य प्राकृतिक संसाधनों का संतुलित उपयोग करना, पर्यावरण की रक्षा करना और समाज में समानता बनाए रखना है।

आज दुनिया कई पर्यावरणीय समस्याओं का सामना कर रही है, जैसे जलवायु परिवर्तन, प्रदूषण, वनों की कटाई और जल संकट। यदि इन समस्याओं पर ध्यान नहीं दिया गया, तो आनेवाले समय में जीवन कठिन हो सकता है। इसलिए सरकारें, संस्थाएँ और आम लोग अब पर्यावरण के अनुकूल तरीकों को अपनाने लगे हैं। उदाहरण के लिए सौर ऊर्जा और पवन ऊर्जा का उपयोग बढ़ाना, प्लास्टिक का कम उपयोग करना, पेड़ लगाना और जल संरक्षण करना।

भारत सरकार ने सस्टेनेबिलिटी को बढ़ावा देने के लिए कई पहल की हैं, जैसे की स्वच्छ भारत अभियान, जल जीवन मिशन और नवीकरणीय ऊर्जा मिशन। इन प्रयासों से देश में स्वच्छता, जल संरक्षण और ऊर्जा सुरक्षा में सुधार हुआ है।

सस्टेनेबिलिटी केवल सरकारों की जिम्मेदारी नहीं है, बल्कि हर व्यक्ति की भी भूमिका महत्वपूर्ण है। यदि हम दैनिक जीवन में छोटी-छोटी आदतें अपनाएँ, जैसे बिजली की बचत, पानी का सही उपयोग और पर्यावरण के अनुकूल

वस्तुओं का प्रयोग, तो हम प्रकृति की रक्षा में योगदान दे सकते हैं।

सस्टेनेबिलिटी केवल पर्यावरण की सुरक्षा तक सीमित नहीं है, बल्कि यह आर्थिक और सामाजिक विकास को भी महत्व देता है। इसका उद्देश्य रोजगार के अवसर बढ़ाना गरीबी कम करना और सभी लोगों को बेहतर जीवन स्तर, प्रदान करना है। जब विकास इन तीनों क्षेत्रों - पर्यावरण, अर्थव्यवस्था और समाज - को संतुलित करता है, तब वह वास्तव में सतत विकास कहलाता है।

आज के समय में विद्यालयों, कॉलेजों और विभिन्न संस्थानों में भी सतत विकास के बारे में जागरूकता बढ़ाई जा रही है। नई पीढ़ी को सिखाया जा रहा है कि वे प्रकृति के प्रति जिम्मेदार बनें और संसाधनों का सही उपयोग करें।

सस्टेनेबिलिटी कोई 'विकल्प' नहीं बल्कि एक 'अनिवार्यता' है। यदि हम प्रगति के इस नए चलन को नहीं अपनाते, तो हम एक ऐसी दुनिया की ओर बढ़ रहे होंगे जहाँ धन तो होगा लेकिन सांस लेने के लिए शुद्ध हवा और पीने के लिए साफ पानी नहीं।

अंत में कहा जा सकता है कि सतत विकास ही सच्ची और स्थायी प्रगति का मार्ग है। यदि हम आज से ही पर्यावरण की रक्षा और संसाधनों के संतुलित उपयोग पर ध्यान देंगे, तो हम एक सुरक्षित और समृद्ध भविष्य का निर्माण कर सकते हैं। इसलिए हर व्यक्ति का कर्तव्य है कि वह सतत विकास के सिद्धांतों को अपनाए और प्रकृति की रक्षा में अपना योगदान दें।

**“प्रकृति का न करें हरण,
आओं बचाएँ पर्यावरण”**



Department Reports



Department of Biochemistry

1. Panel discussion, Industry Academia meet

Title of the event “Smart choices, strong future choosing the right skill path for you”

In a bid to empower students with practical career guidance and to bridge the gap between academia and industry, the Department of Biochemistry and Career Guidance/Placement Cell of K. J. Somaiya College of Science and Commerce (KJSSC), in association with SVKM's Mithibai College and Shri C. B. Patel Research Centre, organized a Panel discussion and Industry Academia Meet.. The event was held on 23rd July 2025, from 11:30 a.m. to 2:00 p.m., at the Seminar Hall (1st Floor), KJSSC, and was simultaneously accessible through an online platform, ensuring a hybrid mode of participation. This format allowed wider student and faculty involvement across partner institutions. Five speakers from different industries guided students. This enriching event was a part of the Industry - Academia Meet initiative, which aims to align student learning with current industry demands and futuristic career planning. The visionary behind the event - Prof. Dr. Samidha M. Pawaskar, Head, Department of Biochemistry, KJ Somaiya College of Science and Commerce, envisioned a platform where students could interact with professionals excelling in various specialized sectors. The panel discussion was curated to offer students exposure to niche and emerging domains, introduce unconventional yet impactful career pathways, and inspire them to make smart, skill-driven choices for a strong professional future. The session focused on the real-world application of scientific knowledge, the significance of skill enhancement, and the critical role of certifications and industry awareness.

2. Holistic health awareness campaign titled “Transforming Public Health and Wellbeing through Ayurveda – An Ancient Wisdom for Balanced Life”.

Department of Biochemistry at K. J.

Somaiya College of Science & Commerce, in collaboration with R. A. Podar Medical College (Ayu) and M. A. Podar Hospital, conducted a campaign having various seminars under the Holistic Health Awareness Campaign. The seminars were designed to highlight the ancient Indian knowledge of food, lifestyle, and dietary habits rooted in Ayurveda and its relevance in modern public health systems. Dr. Samidha M. Pawaskar, Professor & Head, Department of Biochemistry aimed to bridge ancient knowledge with contemporary scientific perspectives, emphasizing Ayurveda as a preventive, promotive, and curative system of health. 12 seminars were conducted throughout this academic year. Important aspects of ayurveda including nutrition and overall health were covered.

3. Yoga Workshop

The Department of Biochemistry, K. J. Somaiya College of Science & Commerce (KJSSC), organized a workshop under the Holistic Health Awareness Campaign on the theme “Transforming Public Health and Wellbeing through Arhatic Yoga and Pranic Healing” on 12th August 2025 and 14th August 2025. The objective of the workshop was to introduce students and faculty to holistic approaches for mental, emotional, and physical well-being through yoga and pranic healing practices. Ms. Rita Dhame conducted two interactive sessions introducing participants to the principles and practices of Arhatic Yoga and Pranic Healing. During the sessions, students performed various asanas and were refreshed by the sessions. Several meditation techniques were also taught in the sessions. The seminar witnessed active participation from students.

4. Seminar on Massage therapy, aromatherapy and Music therapy

The Department of Biochemistry at K. J. Somaiya College of Science & Commerce organized seminar on the topic “Transforming Public Health and Wellbeing through Massage Therapy, Aromatherapy, and Music Therapy”. This event took place on 21st August 2025 in the department.

Dr. Madhavi Mungekar (Ayurvedic consultant, K J Somaiya hospital research centre) and Mr. Neal Vora (Aroma therapy Expert) conducted the event. Dr. Mungekar shared practical insights into how massage can be used both as a preventive and curative approach in lifestyle-related health conditions. She explained about different types of massages and elaborated on the benefits of each type. The session also was focused on use of massage in reducing the discomfort caused by different conditions. She elaborated on the properties and importance of different oils used. Mr. Vora provided an engaging talk on the science and practice of aromatherapy, describing how essential oils influence mood, emotions, and physiological functions. Students had a hands on session by actually feeling the effects of different aromas. Students developed different products using the essential oils and other ingredients.

5. Parents Teachers Meet

Parents Teachers meeting was conducted on 13th September 2025. Dr. Samidha M Pawaskar, Head, Department of Biochemistry welcomed all the parents and briefed them about the progress of their wards. Parents asked about their wards progress. All the queries were satisfactorily answered.

6. Stress management workshop

The Department of Biochemistry at K. J. Somaiya College of Science & Commerce organized a Holistic Health Awareness Campaign on the topic "Transforming Public Health and Wellbeing through Mind Healing." This event took place on 16th and 18th, September 2025, at the college campus. The two-day campaign aimed to focus on enhancing the mental well-being of individuals by promoting mind healing practices and stress management strategies. The sessions were conducted by Ms. Kshitija Sawant, counselor at K.J. Somaiya College of Science & Commerce, who shared valuable insights on the significance of mental health in overall wellness. Session 1 was on stress management and mental health and session 2 was on building a positive personality and & team building exercises. Both the sessions were very interactive with different activities

7. National Ayurveda day

National Ayurveda day was celebrated on 23rd September 2025 in the department by making different posters based on nutrition as per Ayurveda. Students covered various topics of nutrition in Ayurveda and presented the posters. Such activities also develop students confidence and communication skills. The main aim was to educate the students about the correct eating patterns. It enhanced understanding of correct nutrition as per Ayurveda for maintaining good health.

8. Students corner activity

F.Y.B.Sc. and S.Y.B.Sc. students from Department of Biochemistry took part in the students corner activity. Students prepared various health related posters and created awareness on various health concepts. Such activities improve students confidence, thinking abilities and creativity. It also helped in confidence building. The "Students' Corner" activity (10th -22nd November 2025) promoted peer learning, improved communication and critical thinking, and enhanced understanding of Biochemistry, while spreading nutritional awareness among students from diverse streams and age groups.

9. Swasthya Mahotsav (under Health Utsav 2025-2026)

Department of Biochemistry of K. J. Somaiya College of Science & Commerce had organized "Swasthya Mahotsav 2025-2026" on 4th December 2025 under Health Utsav. The main aim of the event is to generate a platform where people can directly connect with the doctors and get knowledge about various health issues. People can ask their doubts and can get benefitted through such interactions

Following eminent doctors delivered their talks

Dr. Sudhir Srivastav, Topic:- "Strong bones, strong future"

Dr. Avilash Tiwari, Topic:- "Lifestyle diseases-What all young generation should know"

Dr. Kavita Dipnaik “Workshop on mind marathon”

Overall the sessions were very helpful as there were many questions for each speaker from the audience comprising of students and staff of Somaiya Vidyavihar. The event was very informative

10. Health Fair 2025-2026

Department of Biochemistry of K. J. Somaiya college organized the department festival “Health Fair” on 5th December 2026. This 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 –

Health court(Debate), Bio-imagica(Ad-mad), Logo designing, Biopictionary, Biojingle, E-content (Informative reels/ Shorts). 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 without any difficulty.

11. Open day

The entire Department of Biochemistry participated in the Open day conducted by our college on 16th December 2025. Students from different schools visited the department to gain knowledge. During the event following interactive activities were conducted

- I. Food adulteration tests Students from various schools learned about food adulteration were determined to apply these methods practically to stay safe from adulteration.
- II. Health and nutritional Awareness posters: Awareness was created related to various important topics like effects of high sodium intake through food, importance of proximate principles, effect of wrong food choices on health etc. Students explained various concepts through the attractive and informative colourful posters. School

children were curious and were asking questions based on the posters. Our students gave satisfactory answers to all the queries.

- III. Documentary : A documentary based on various biochemical processes inside the human body was shown. Through this documentary students learned many concepts related to human body.

All batches enjoyed all the activities of the open day in the department. Students were asking questions and all the questions were satisfactorily answered. Teachers accompanying the students’ batches were also satisfied about the organization of the activities and gave a very positive feedback. Overall it was an informative open day session

12. National Science day

National Science Day was celebrated on 28th February 2026 to promote scientific awareness, innovation, and research-oriented thinking among students. To commemorate this occasion, a Poster Competition was organized under the theme “Innovation and Sustainability.” The activity aimed to encourage students to explore scientific solutions to real-world problems while integrating sustainable practices. Participants were motivated to identify practical challenges and propose innovative product-based solutions supported by basic research. Students presented their ideas through creative and informative posters highlighting scientific concepts, sustainability impact, and practical applications. The event served as an experiential learning platform that integrated research, creativity, and effective communication skills. Students from S.Y.B.Sc and T.Y.B.Sc actively participated and showcased innovative and sustainable products such as manure-rich biopots, biofertilizers, sustainable hand soaps, and chemical-free liquid washes for clothes and utensils, demonstrating the application of green chemistry principles and environmentally responsible product development.

Department of Botany

The following activities were organized by the department during the year 2025-2026.

- Lecture series on career in botany session 1 was organized by Department of Botany on 12th July 2025 at 11:00am in the 1st floor seminar hall, KJSSC. Dr. Vinit Vaidya from Thakur College, Kandivali. Dr. Vaidya motivated students to appear for various competitive exams. He also enlightened them about various upcoming fields on Botany. Dr. Vaidya highlighted the career options in agriculture and horticulture, Environmental botany, Conservation and specialized branches of botany. He also discussed the opportunities for Botany graduates and postgraduates in government sector. The session ended with queries asked by the students. Formal vote of thanks was given by Dr. Ketan Thatte. Number of beneficiaries Students UG: 63 and PG: 7
- Lecture series on: "The Art of Connection: Campus to Corporate" was organized by Department of Botany on 19th July 2025 at 10:00 am in the 1st floor seminar hall, KJSSC. Mr. Ankit Bhadra from Zoetis India Ltd. was the resource person. Mr. Bhadra, focused on the skills required to secure job opportunities. He emphasized on students set monthly targets and overcome challenges using STAR (Situation, Task, Action and Result) method. He highlighted the need for ATS compliant resume and explained the process of resume building. Number of beneficiaries Students UG: 67 and PG: 10
- Lecture series on Careers in Botany, session III was organized by Department of Botany on 2nd August 2025 at 10.00 am in the Seminar Hall, KJSSC. Dr. Nitin Malekar Director, Oncos DX was the resource person. He guided students to explore and appear for various competitive exams, especially in the field of Botany. He also gave valuable insights into current and

future aspects of jobs related to Botany in Government and private sector. Number of beneficiaries - UG: 57 and PG: 11

- Intercollegiate Festival "Vruksham-25: Guardians of Botanica" was organized on 13th December 2025 by the Department of Botany, K J Somaiya College of Science and Commerce. For this fest we received sponsorship from Dr Rashel Beauty Products.

The theme for Vruksham-25: "Guardians of Botanica" was organized with the primary aim of creating awareness about environmental protection, tree conservation, and the vital role of plants in sustaining life on Earth. The theme symbolized the responsibility of the present generation to act as guardians of nature and to promote sustainable practices for a greener future. Taking into view and considering the theme, students of MSc, TY and SY curated various products which were introduced in The Start-up Stall which was managed by TYBSc and MSc I students. The various products for display and selling were Pickles, Guava jelly, Pineapple Jam, Chocolate and Strawberry Jam etc.

Students: 99 participated in the event.

- Department of Botany organized a two-day workshop on aromatherapy, "*Sense Behind the Scent*" on 22/01/2026 and 23/01/2026. The Objective of the Event was to enhance students' understanding of the scientific basis and therapeutic relevance of aromatherapy. Rajesh Rajoria and Ms. Nidhi Singhal from the fragrance industry, Solutions India Pvt Limited, New Delhi, were the resource persons for the programme. In the workshop, students participated in practical sessions focused on olfaction, scent classification, fragrance blending, and hands-on creation activities centred on the development of value-added

aromatic products such as agarbatti, dhoop, attar, solid perfume, perfume, and air freshener. This was followed by an industry visit at Attari Sales Corporation, Byculia, which offered valuable insight into industrial practices, processing methods, and the commercial dimensions of fragrance and aroma-based product. 38 students benefitted from the workshop.

This workshop was sponsored by Copperpods Cosmetics Pvt. Ltd., Attari Sales Corporation and Live time Perfumery.

- A seminar on mental health titled "Pause the Pressure, Restore the Mind" was successfully organized for students on 30/01/2026, with the objective of promoting mental well-being, emotional resilience, and stress management in academic life. The program aimed to create awareness about the importance of mental health, encourage open dialogue, and equip students with practical strategies to cope with everyday pressures. Ms. Vedashree Bhagwat, Counsellor, Smt. Maniben and MP Shah Women's College of Arts and Commerce was the resource person.

A major focus of the seminar was on stress management techniques. Students were introduced to simple yet effective practices such as mindful breathing, time management, setting realistic goals, maintaining healthy sleep routines, and balancing screen time.

22 students benefitted from the workshop.

- On World Wetlands Day, a lecture was organized to emphasize the importance of wetlands in addressing current environmental challenges. The session was delivered by Prof. Varsha Kelkar Mane, Head, Department of Biotechnology, University of Mumbai, who highlighted the interconnection between fast fashion, wetland degradation, and climate change. She explained the critical ecological functions of wetlands, including

biodiversity conservation, water purification, flood regulation, and carbon sequestration. Prof. Mane discussed the environmental impact of fast fashion, particularly excessive water use, chemical pollution, textile waste, and microplastics, which contribute to the degradation of wetland ecosystems. She further emphasized that damaged wetlands lose their ability to store carbon, thereby accelerating climate change. The interactive lecture encouraged students to reflect on sustainable consumption practices. Overall, the session was informative and effectively met the objectives of World Wetlands Day by promoting awareness of wetland conservation and climate responsibility.

Students UG : 52 and PG : 06 attended the workshop.

- Department of Botany had participated in the exhibition, Plants, Flowers and Medicinal Plants Show-2026 organized by N ward of BMC on 14th and 15th February 2026 at Dr. Chintamanrao Deshmukh Udyan, Mahatma Phule Marg, Mulund East. Potted plants used as cosmeceuticals along with their information in the form of QR code were displayed in the exhibition. Student volunteers interacted with visitors of different age groups and encouraged them to use herbal cosmetics. Students displayed various herbal formulations such as: Herbal face packs (using neem, turmeric, sandalwood) Hair oils (amla, bhringraj, coconut oil base)

Herbal shampoos and conditioners, scrubs using natural ingredients, *Aloe vera* gel-based skincare products Herbal soaps and creams. The exhibition successfully demonstrated the significance of herbal cosmetics and the role of potted plants in personal care. It encouraged a shift toward natural and sustainable beauty solutions while enhancing students' academic and practical skills.

Department of Chemistry

1. Title : Workshop on “Yoga for Harmony and Wellness”

Date : 12/07/2025

In accordance with holistic wellness principles, the department of chemistry organized a workshop on “Yoga for Harmony and Wellness” on July 12, 2025, at 11.30 am in association with the Mulyapravah Committee. The goal of the workshop was to encourage faculty and non-teaching staff to practice yoga for their physical, mental, and emotional well-being. Mr. Prafulla Rane, a certified Yoga and NLP Wellness Coach, led the workshop. The training was attended by 16 teaching and 8 non-teaching staff members.

2. Title : Workshop on “Safety in chemical laboratories”

Date : 07/07/2025, 09/07/2025 and 12/07/2025

In order to provide FYBSc Chemistry students with the necessary information and abilities to guarantee safe chemical handling and adherence to best laboratory safety procedures, the department of chemistry held a workshop on “Safety in chemical laboratories” on July 7, 9, and 12, 2025. The program was attended by 186 students in total.

3. Title : Workshop on “Effective resume Writing”

Date : 11/10/2025

The Department of Chemistry, K. J. Somaiya College of Science & Commerce organized a workshop on “Effective Resume Writing” on 11 October 2025 in the Chemistry Seminar Hall. The workshop was conducted by Dr. Anupma Harshal Wadavlikar, a Woman in STEM, Foldscope Mentor at LGP Ashoka University, and Consultant at Kotak Education Foundation. The programme was designed for postgraduate students of Chemistry and was conducted in two sessions: from 9.00 am to 11.30 am for M.Sc. Analytical and Physical Chemistry students, and from 12.00 pm to 2.30 pm for M.Sc. Organic and Inorganic Chemistry students.

The session aimed to enhance students' awareness about the importance of a well-structured and professionally written resume, especially in the context of higher education, research opportunities, and employment in scientific and industrial sectors. 38 students were benefitted by the workshop.

4. Title : Workshop on “Scientific Writing Essential”

Date : 13/10/2025

The Department of Chemistry, K. J. Somaiya College of Science and Commerce, organised a workshop titled “Scientific Writing Essentials” on 13th October 2025 from 10.00 am to 12.00 pm at the Language Lab, KJSSC. The workshop was conducted by Dr. Trupti Rane, Assistant Professor, Department of Chemistry, with the objective of strengthening students' scientific writing and communication skills. The programme was designed to provide students with a strong foundation in the principles and practices of scientific writing, which is an essential component of academic research and professional scientific communication. 29 MSc Students were benefitted by the workshop.

5. Title : “Chemistry Day Celebration”

Date : 02/08/2025

The Department of Chemistry in association with the Department of Lifelong Learning & Extension (DLLE) and *Club React* of K. J. Somaiya College of Science and Commerce organized Chemistry Day Celebration on 2nd August 2025 to commemorate the birth anniversary of *Acharya P. C. Ray*, the Father of Chemistry in India. The objective of the celebration was to inspire students to appreciate the importance of chemistry in everyday life and to provide a platform for showcasing their scientific creativity and knowledge. As part of the celebration, Poster Competitions and Quiz Competitions were conducted. The poster competition, held in the Chemistry Corridor, witnessed enthusiastic participation from students who presented

creative and thought-provoking posters on various themes in chemistry.

6. Title : "Parent-Teacher Meeting for T.Y.B.Sc. Chemistry"

Date : 23/08/2025

The Parent-Teacher Meeting for T.Y.B.Sc. Chemistry was held on 23rd August 2025 in the Seminar Hall, with 11 parents in attendance. The session aimed to foster constructive interaction between parents and faculty. Head of Department Dr. Chitra Kamath briefed parents about the B.Sc. Chemistry programme, syllabus, examination pattern, and departmental activities. Faculty members discussed students' academic performance, attendance, and overall progress. Information about upcoming activities, field projects, placements, mentoring for competitive exams, and library facilities was also shared. The meeting encouraged collaboration between parents and teachers for students' academic success and overall development.

7. Title : "Parent-Teacher Meeting for F.Y.B.Sc. Chemistry"

Date : 13/09/2025

The Parent-Teacher Meeting for F.Y.B.Sc. was held on 13th September 2025, with 37 parents in attendance. The meeting aimed to strengthen communication between parents and faculty. Teachers presented students' academic progress, attendance, and classroom behavior, while parents shared feedback and concerns. Discussions focused on supporting students in overcoming academic challenges, improving study habits, and enhancing overall personality development. The PTM helped identify strengths and areas for improvement, encouraged collaborative action between home and college, and promoted active parental involvement to boost student confidence, motivation, and academic success.

8. Title : "Introduction to Intellectual Property Rights (IPR)"

Date : 25/09/2025

The session on "Introduction to

Intellectual Property Rights (IPR)" was held on 9th September 2025 (Tuesday) with 71 students in attendance. Conducted by Dr. Shah, the lecture highlighted the importance of IPR in Chemistry, particularly in research, innovation, and career development. Dr. Shah explained how patents, copyrights, and trademarks protect scientific inventions and promote ethical research practices. He also discussed career opportunities related to IPR in pharmaceuticals, biotechnology, and chemical industries. The session helped students understand the fundamentals of IPR and its significance in safeguarding intellectual work and advancing professional growth.

9. Title : "Interactive Session on Industry-Academia Collaboration"

Date : 04/10/2025

The Interactive Session on Industry-Academia Collaboration was held on 04/10/2025, organized by the Department of Chemistry and Alumni Association. Industry experts including Mr. Amit Ghag (CMD, Novapure Health Care Pvt. Ltd.), Dr. Rikhil Shah (Lead Analyst - IPR, Avient Corporation), Mr. Sudesh Adkar (Senior QA, Merck Life Sciences), and Mr. Subodh Chawan (Founder, Scientia Life and Technologies) shared insights on industry expectations. Key discussions focused on strong subject knowledge, honesty, problem-solving skills, industry exposure, communication, and understanding core concepts. The session emphasized curriculum improvements, certificate courses, and industry-oriented training to better align academics with real-world requirements. A total of 18 teachers participated.

10. Title : "AI and Communication Automation in Education Industry"

Date : 04/10/2025

The session titled "AI and Communication Automation in Education Industry" was conducted on 04.10.25 by Mr. Ankit Tanwar, AVP - Sales (West 1 Region), VIH Metaverse Pvt. Ltd. The lecture focused on the growing role of Artificial Intelligence

and communication automation in transforming the education sector. After a welcome address and introduction by Prof. Chitra Kamath, the speaker explained practical applications of AI tools in teaching, administration, and student engagement. He highlighted real-world examples, current industry trends, and future opportunities, emphasizing how technology integration enhances efficiency and improves overall learning experiences in educational institutions.

11. Title : “Green Chemistry-Education and Research Possibilities”

Date : 09/10/2025

The Green Chemistry – Education and Research Possibilities session was held on 09/10/2025, featuring renowned chemist John C. Warner, co-founder of Green Chemistry. He highlighted the importance of sustainability, noting that 95% of materials lack biodegradability, and emphasized using waste feedstocks, reducing consumption, and designing safer, non-toxic products. Warner shared examples of sustainable innovations from industry collaborations and addressed challenges like cost and implementation during an interactive Q&A. The session inspired students and faculty to explore green chemistry research and education, demonstrating its potential to create environmentally friendly processes and contribute to a sustainable future.

12. Title : “Dr. Dave Memorial Lecture”

Date : 13/12/2025

The “Dr. Dave Memorial Lecture” (Guest Lecture) was held on 13th December 2025 at K. J. Somaiya College of Science and Commerce, organized by the Alumni Association in association with the Department of Chemistry. The lecture series featured distinguished speakers who shared insights on modern chemical sciences, industrial challenges, and research opportunities. Topics included India’s limitations in advanced chemical processes, EV battery recycling, supercritical fluid extraction, analytical techniques, active pharmaceutical ingredients, and laboratory

safety practices. The event inspired students to contribute to innovation, sustainable development, and nation-building through chemistry and scientific research.

13. Title : “Mass Spectroscopy Approach for Analytical Requirements”

Date : 18/11/2025

The session “Mass Spectroscopy Approach for Analytical Requirements” was held on 18th November 2025 for PG students, conducted by Mr. Subodh Chawan, Founder and Director of Scientia Life Technologies LLP. He provided an overview of mass spectrometry principles, instrumentation, and types including AP MALDI HRMS. Applications in forensic science, pharmaceuticals, material monitoring, and tissue imaging were discussed, followed by a live instrument demonstration. The session was attended by 108 students and 10 faculty members, offering practical insights into analytical techniques and their real-world applications.

14. Title : “Rasayan”

Date : 16/12/2025

The Rasayan Departmental Fest was held on 16th December 2025 at K. J. Somaiya College of Science and Commerce, inaugurated by Prof. Atul Chaskar, ICT Mumbai. The fest aimed to promote creativity, innovation, and collaboration among students through chemistry-based activities. Events included Green Mind Battle (Quiz), Elemental Sharks, Atomic Shuffle, Doodling, Kismat, Tatva Trail, Eco Forensic Case Study, Mindscape, Reelimental Reels, Ecovision, Sustain-a-Meme, Shrishti Rahasya, and Label Lab. Over 12 exhibition projects showcased sustainability and Panchatatva-themed innovations. The fest successfully combined learning, teamwork, and scientific exploration, encouraging students to develop problem-solving skills, creativity, and awareness of eco-friendly, sustainable chemical solutions.

15. Title : “Making Eco-Friendly Colours”

Date : 07/01/2026

The “Making Eco-Friendly Colours” workshop was held on 7th January 2026, conducted by Ms. Pournima Shirgaonkar and Ms. Manali Dhangade. Aimed at promoting environmental sustainability, participants learned to prepare natural, biodegradable colours using beetroot, spinach, marigold, and corn flour. The session highlighted the health and environmental hazards of synthetic colours, encouraged hands-on creativity, and fostered awareness of green practices. Attended by 130 UG students and 6 faculty members, the workshop enhanced practical skills, promoted eco-friendly alternatives for festivals, and inspired responsible environmental behavior in daily life.

16. Title : “NASI Foreign Fellows’ Lecture Series”

Date : 23/01/2026

The NASI Foreign Fellows’ Lecture Series was held on 23rd January 2026, featuring Prof. Mukund Chorghade, Dr. Umesh Aselkar, Dr. Ranjan Mogre, Dr. B. D. Ginde, Dr. Suresh Manenkar, and Mr. Mansukh Mehta. The lectures covered India’s chemical process limitations, EV battery recycling, supercritical fluid extraction, natural products, analytical techniques, APIs, cannabinoids, and practical laboratory skills including MSDS. Attended by 75 students and 19 faculty, the session enhanced understanding of chemistry’s role in industry, research, healthcare, and sustainability, while fostering awareness of emerging research areas, pharmaceutical sciences, and safe laboratory practices.

17. Title : National Symposium on “Rare Earth Elements and Strategic Minerals Exploration, Processing and Applications”

Date : 06/02/2026 and 07/02/2026

The National Symposium on “Rare Earth Elements and Strategic Minerals Exploration, Processing and Applications” was jointly organised by the Department of Chemistry and Geology fulfilling its academic and outreach objectives. The event significantly contributed to knowledge dissemination, capacity building, and

interdisciplinary dialogue in the field of rare earth elements and strategic minerals. 106 participants attended the symposium. 36 Abstracts - by Researchers, faculty (25) and Invited speakers (11) while 25 Abstract for oral and poster presentation published in abstract book with ISBN number. The symposium would inspire future research initiatives, policy engagement, and sustainable practices in this strategically vital domain.

18. Title : “Strategic Internships: The Bridge to Your Dream Career”

Date : 10/02/2026

The Department of Chemistry organized a guest lecture titled “Strategic Internships : The Bridge to Your Dream Career” on 10th February 2026, conducted by Ms. Shruti Mahale and Ms. Harshada Sawant from Technogreen Solutions Ltd. as part of the IUPAC Global Women’s Breakfast Initiative. The session introduced the Local Area Management Plan (LAMP), air-quality management, and the health impacts of particulate matter. Students were briefed on the upcoming internship involving surveys, field observations, emission-source identification, and report preparation in areas like Chandivali. Attended by 41 students and 7 faculty, the lecture emphasized the value of practical internships in bridging academic knowledge with real-world environmental and professional experience.

19. Title : National Science Day

Date : 28th February 2026

The Department of Chemistry, K. J. Somaiya College of Science and Commerce organized a webinar on 28th February 2026 to celebrate National Science Day, marking the discovery of the Raman Effect by C. V. Raman. The session aimed to promote scientific curiosity among students. Tabrez Khan delivered a talk on *Sustainable Photocatalytic Organic Synthesis*, explaining how harmful gases like CO can be converted into useful chemicals through Waste-to-Wealth (W2W) approaches, reducing environmental impact.

20) Title : Mind Mastery Workshop

Date : 14/03/2026

The Mind Mastery Workshop, held on 14/03/2026 (9:00 a.m. – 1:00 p.m.), aimed to enhance mental well-being, productivity, and personal growth among participants. A total of 130 UG students and 6 faculty members attended the session. The workshop covered stress management through mindfulness and breathing techniques, habit-building strategies to improve focus and efficiency, decision-making and problem-solving skills, and memory enhancement methods for better learning and performance.

21) Title : hands-on workshop on “Green & Sustainable Chemistry : Tools, Techniques & Metrics”

Date : 29/03/2026

A one-day hands-on workshop on “Green & Sustainable Chemistry: Tools, Techniques & Metrics” was conducted on 28th March 2026 at K. J. Somaiya College of Engineering in collaboration with the Department of Chemistry, K. J. Somaiya College of Science and Commerce and Green ChemisTree Foundation. The workshop aimed to bridge theory and practice by introducing green chemistry principles,

sustainability metrics (Atom Economy, E-factor, PMI), and tools for solvent and reagent selection. Expert sessions by Dr. Rahul Nabar, Dr. David Constable, Mr. Nitesh Mehta, and Dr. Alexis Bazanella provided industry-oriented insights and hands-on training. A total of 29 PG students participated, gaining practical exposure to sustainable chemical processes and entrepreneurship in green chemistry.

22) Title : Alchemy of Cosmetics: Cosmetic Chemistry Exhibition

Date : 18/02/2026

The “Alchemy of Cosmetics: Cosmetic Chemistry Exhibition” was organised on 18th February 2026 (9:00 a.m. – 1:00 p.m.) at Chemistry Lab 3, KJSSC, by TY BSc students under the guidance of Asst. Prof. Unnati Maru. The exhibition featured interactive displays and live demonstrations on cosmetic formulations, analysis, and sustainable practices. Students presented projects on hair care, skincare, makeup analysis, and herbal product formulations, showcasing practical applications of cosmetic chemistry. The event benefited 71 students and 145 visitors, successfully highlighting student innovation and industry relevance.

Department of Commerce

1. A talk on financial analysis was organised on CA- Commemorative day on 1st July 2025 at 9 am by Mr. Amit Dixit. The seminar aimed to educate students about how to analyse market trends through Relative Strength Index. He explained live market charts. Historical price movements were analysed in the session through Candle stick patterns, Support and Resistance Levels where price tends to reverse were explained by the speaker.

2. A guest lecture was conducted by Mrs. Aditi Damle Pawar featuring the “Resume Writing and Interview Skills” on 4th July, 2025

at 9am. The Seminar aimed to develop interview skills among the students. She had presented a demonstration on how students can appear for an interview and what kinds of questions are asked by the interviewer during an interview.

3. On 14 July 2025 to guide students to know the process of Research, a guidance lecture ‘Idea to Impact: Navigating Aavishkar Research Journey’ was organised by the department. Dr. Varsha Ganatra was invited as a resource person to conduct a session on Aavishkar. In the program, stages of the research process were explained including

selecting the topic, defining the problem for research. From research design to writing a research report everything in detail was explained. The rules pertaining to the research project were also discussed. The session was followed by a question and answer session.

4. On 19th July, 2025, to enable the students to develop the skills and attitude suitable for the corporate sector, alumni Mr. Swapnil Parshurami, given a speech on, "Shaping success, building a strong corporate culture" Mr. Swapnil Parshurami is a senior manager at Nagase India Pvt. Ltd was invited to discuss the skills and attitude for building corporate culture. The session highlights were the aspects of the corporate sector such as the organizational culture, dealing with stress, goals setting, team work etc. special focus was on enabling the students to anticipate the changes that they have to incorporate in them in order to suit the changing corporate needs. The session was followed by a question and answer session.

5. The department of Commerce had organised a Seminar on SEBI Investor Awareness Program conducted by SEBI Smarts Organisation on 28th July 2025 at 9am. The Seminar was conducted by Ms. Aiman Bhabrawala. The seminar aimed to educate students about how to make use of online trading platforms and digital tools for investment. She also highlighted the risks involved in investing in stocks, mutual funds and derivatives. She also explained the ethical investment behaviour and SCORES for investor grievances redressal mechanisms.

6. On 5th August 2025, Prof. Punit Neb conducted an insightful session on SWOT Analysis and Goal Setting. She emphasized the importance of identifying one's strengths and using them as a means to stand out both in college and professional spaces. She urged students to recognize their weaknesses and work consistently to overcome them. For instance- students struggling with spoken English were advised to make use of online learning platforms, watch English shows, and practice speaking regularly.

7. On 14th August 2025 Rakshabandhan Celebration with Security on Campus To express gratitude towards the security on

campus by tying them Rakhi and celebrating Rakshabandhan with them. Students of Commerce club S.Y.B.Com E, G and T.Y.B.Com G division participated in celebrating Rakshabandhan by tying the Rakhi to the security on campus. 9 students participated in this activity and tied Rakhi to 50 security guards on campus. They distributed sweets as a token of appreciation.

8. On 15th September 2025, 59th A. D. Shroff Memorial Elocution Competition was organized in collaboration with the Forum of Free Enterprises and the Commerce Section. The event aimed to promote public speaking skills and economic awareness among students. Participants spoke on topics such as 'Making India a Global Manufacturing Hub', 'Job Creators vs Job Seekers. 15 students participated enthusiastically expressing their views with confidence and clarity. The competition was judged by Mr. Ramlakhan Surju, faculty of Economics in the Junior College and Ms. Pooja Nair, Assistant Professor of English. The top three participants were awarded cash prizes and top 5 participants were awarded certificates from the forum of free enterprises.

9. On 10th October 2025, 16 girl Students Visited BSE and attended the seminar, organised at Bse International Convention hall on Shikshit Naari Vikasit Bharat by prominent speakers from different companies. The seminar was basically about the importance of financial literacy and independence for women. Experts discussed different avenues such as mutual funds, fixed deposits, gold, real estate and stock markets. The seminar motivated participants to take informed financial decisions and plan for their future security V

10. The Commerce Department observed International Day of Persons with Disabilities on 3rd December 2025. As part of the program, students were shown a short inspiring story that highlighted the message that nothing is impossible when one believes in oneself. The story portrayed how challenges can be turned into strengths through courage, hard work, and a positive attitude. Students were deeply moved and reflected on the importance of empathy, support, and respect for individuals with disabilities. 40 Participants and outcome of

the event were the observance successfully instilled values of sensitivity, equality, and perseverance among students.

11. The Commerce Department observed the death anniversary of Dr. B. R. Ambedkar on 6th December 2025 with deep respect and admiration. To commemorate the day, a short and informative documentary on the life and legacy of Dr. Ambedkar was screened for the students. The documentary highlighted his early struggles, his commitment to education, his role in drafting the Constitution, and his lifelong dedication to building an inclusive society. Students watched with great interest and gained valuable insights into his inspiring journey. 50 participants with the outcome of the documentary inspired them to reflect on equality, justice and the importance of education.

12. The Commerce Department successfully organised FEST- Avsar 2025 on 11th December 2025, a student-centric event aimed at enhancing creativity, managerial skills, analytical thinking, and entrepreneurship among students. The programme witnessed enthusiastic participation, teamwork, and excellent coordination by students and faculty members. Events Conducted- Share Bazaar, Quiz Competition, Essay Competition, Ad Mad show, Management Games, Photography, Poster competition and Essay Competition. 20 Volunteers managed the events under guidance of teachers, 70 Students had participated in the competitions and games.

13. Open day on 16th Dec 2025 – School students were summarised with the commerce subjects, career opportunities after doing commerce courses

14. An alumni mentorship event on 10th January, 2026 was aimed to connect the current students with the alumni. The alumni were from different fields such as SAP analyst, Musician, Fashion industry model, Treasury operations, Project manager. The alumni shared one by one their experiences as a college student and also shared their work experience. The main highlight was the different career opportunities after B.Com. The session was followed by interactive questions and

answers. Beneficiaries of the program were 74 students and 9 teachers.

15. SDG Week – Day 1 – Building a better future - “Vasudev Kutambkam” on 5th Feb 2026. The session began with a prayer, followed by a warm welcome to the guest by Asst. Professor Medhavini Khare. SDG Week commenced with an insightful seminar on “Building a Better Future” delivered by Dr. Sucheta Joshi. The seminar highlighted that several sustainable goals are yet to be fully achieved by our country with collective efforts toward sustainable development. The event successfully increased awareness and understanding of the Sustainable Development Goals and global sustainability performance. 125 students participated in the session

SDG Week - Day 2- Sustainable Development for Future on 6th Feb 2026. The session was conducted by Ms. Rashmi Joshi, an interactive session where students were made aware about the importance of SDG, as we don't have planet B. If we don't take appropriate steps then after 50 years we will struggle for fresh air and energy. Students were educated how to save electricity and water. Rashmi madam gave insights about the disadvantages of depletion of natural resources. Many measures were discussed to be adopted in future. 84 students participated in the session.

SDG Week – Day 3 - From Trash to Cash Revolution: A Case Study on Upcycling Business Models on 7th February, 2026. Ms. Shilpa Sawant delivered the lecture, titled “From Trash to Cash Revolution: A Case Study on Upcycling Business Models,” aimed to provide participants with a deeper understanding of circular economy practices and to encourage innovative thinking about waste management, resource optimization, and sustainable business opportunities. Through the discussion of three relevant case studies, she illustrated practical applications of upcycling within contemporary business models and highlighted their environmental and economic significance. 120 students participated in the session.

SDG Week – Day 4- "From Profits to Purpose – Understanding BRSR in SDG

Era" on 9th February, 2026. The Seminar was conducted by Dr. CS. Shital Mehta. The seminar aimed to educate students about Business Responsibility and Sustainability Reporting. She explained Environmental, Social and Economic Sustainability as 3 pillars of sustainable development. She explained 9 principles of BRSR which are Ethical conduct, Governance & Transparency, Sustainable & Safe Production, Employee Well-being, Stakeholder Engagement, Human Rights, Environmental Stewardship, Responsible Advocacy & Lobbying, and Inclusive & Equitable Growth & Responsible Consumer Engagement. 131 students participated in the session.

SDG Week – Day 5 - Union Budget Analysis on 10th Feb 2026. The Union Budget of India is announced on 1st February every year by the Finance Minister. The activity on the Union Budget Analysis was organized as a component of 'SDG Week' organized by the commerce section to enhance their analytical skills and raise the awareness about government initiatives to attain SDGs. The students analysed union budget provisions for various sectors such as agriculture, education, health, and defence and so on for the financial year 2026-27. 81 Students participated and presented the Union budget.

SDG Week – Day 6 & 7- Online Quiz on SDG on- 11th and 12th Feb 2026. Online Quiz on SDG was organized for students to

evaluate the understanding of the SDG week sessions attended by them. SDG Week concluded successfully, providing valuable knowledge and critical analysis of Sustainable Development Goals.

Achievements -

1. Ms. Pooja Matlani, Assistant Professor in Department of Accountancy had published a book on "Foundations of Financial Modelling and Modern Accounting Strategies" published by A2Z Edulearning Hub Kerala, India. ISBN 978-81-994535-3-1 on 1st December 2025.
2. A book is published by Dr. Archana Padgaonkar A Study on the Safety Norms in Khanavals in Mumbai City Dr Archana Padgaonkar ISBN 978-93-49566-97-2
3. Ms. Sadhika Nair is awarded the second prize in the 59th A.D. Shroff Memorial Inter collegiate Elocution contest
4. Riya Prajapati & Satyam Gupta (FYBCom) were ranked 5th and 9th position respectively in the 'National Essay Competition on My Dream Budget' organized by Foundation for Skill Development.
5. F. Y. B. com. student, Ms. Krutika Agarwal has been shortlisted for the final round of the 'MY Bharat Budget Quest 2026'- A prestigious National Level virtual dialogue with the Hon'ble Prime Minister of India.

Research Publications:

Sr. No.	Name of the Faculty	Research Papers	Book Chapters	Book Editor	Book Author Sole/ (Co-Author)	Member of the Editorial Board
1.	Dr. Smita Paranjape	02	02	-	-	-
2.	Mrs. Shilpa Sawant	04	01	-	-	-
3.	Ms. Sulata Parui	01	02	-	-	-
4.	Ms. Medhavini Khare	01	-	-	-	-
5.	Lt. Dr. Rohini Kasabe	01	-	-	-	-
6.	Ms Pooja Matlani	02	-	-	01 (Co-Author)	-
7.	Mrs Tejashree Gawde	01	-	-	-	-
8.	Dr. Archana Padgaonkar	01	02	01	01 (Author)	01
9.	Ms Rhea Kanchan	01	-	-	-	-

Department of Geology

Title - A talk on Hydrocarbon and Oil exploration

Date - 12.07.2025

Name of the Resource Person : Mr Ashutosh ShandilyaGM (Geology), ONGC, Mumbai. The seminar provided insights into the exploration and extraction of hydrocarbons. The speaker, an expert in petroleum geology, discussed the formation of oil and gas, modern exploration techniques, and India's hydrocarbon potential. Emphasis was placed on seismic surveys, drilling technologies, and environmental concerns. The session was highly informative, offering students and faculty a deeper understanding of the energy sector. An engaging Q & A session followed, enriching participants' knowledge. Overall, the seminar proved to be an excellent platform for learning about current trends and challenges in oil exploration.

Title : Museum Visit

Date : 18th July & 21st July 2025

S. K. Somaiya Vinay Mandir Jr. College students of grade 12th visited department museum for understating and identification of different rock, mineral and fossil, along with this a small session was conducted on the preservation and importance of fossil along with importance of rock cycle.

Title : Prof. André Droxler and Dr Pankaj Khanna visit

Date : 15.09.2025 to 17.09.2025

André W. Droxler, Emeritus Professor at Rice University, visited the institution and interacted with faculty across multiple departments. Along with Pankaj Khanna of Indian Institute of Technology Gandhinagar, discussions focused on carbonate sedimentology, reef evolution, and climate records. Prof. Droxler presented his book on Maldives atoll formation to the Principal. Both experts engaged with Physics, Zoology, and Chemistry departments, emphasizing interdisciplinary research in marine geology, biogeo-chemistry, and climate studies. The visit fostered academic

exchange, highlighted funding opportunities, and opened avenues for collaborative research and institutional partnerships across disciplines.

Title : The Origin of Modern Atolls : Challenging Darwin's Deeply Ingrained Theory

Date : 15.09.2025

Name of the Resource Person: Prof. André Droxler, Ph.D. The seminar provided an updated understanding of atoll formation, moving beyond Darwin's subsidence model to the antecedent karst model, highlighting the roles of sea-level change, carbonate evolution, and karst processes. Participants gained insights into modern research techniques such as drilling and seismic surveys, which have refined interpretations of reef development. The session bridged classical and contemporary perspectives, encouraged critical thinking, and emphasized interdisciplinary integration. Overall, it enhanced appreciation of the complex origins of atolls while fostering scientific curiosity and informed academic discourse.

Title - ONYX

Date - 02/12/2025 - 03/12/2025

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:

- Find My heera (Treasure Hunt)
- Extinction or Win-stinction (quiz)
- Geo-Spell (Spelling bee)
- Interactive Exhibit (Poster Presentation)
- Geo vibe (Cultural Event)
- Core Clash (Debate)
- Geo-Doodling (art work)

- Colourful Crust (Rangoli)
- Dig & Discover

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 - The art of self care : Building Mental resilience

Date - 22/01/2026

Dr. Archana Padgaonkar The Department of Geology at K J Somaiya College of Science and Commerce organised a workshop titled "*The Art of Self-Care : Building Mental Resilience*", conducted by Archana Padgaonkar. The session emphasized the importance of mental wellness in academic life, highlighting emotional, psychological, and spiritual well-being. Participants learned practical strategies for stress management, mindfulness, and resilience-building. The interactive session encouraged students to share experiences, and the speaker provided relatable insights, making the workshop engaging and impactful. Overall, the workshop served as a valuable initiative in promoting mental health awareness and empowering students with strategies to navigate daily challenges while maintaining overall well-being.

Title - Student Corner

Date - 02.02.26 - 07.02.26

The Student Corner activities, held from 2nd to 7th February 2026 at K. J. Somaiya College of Science and Commerce, showcased diverse themes highlighting Earth sciences. Events included a mineral exhibition, fossil showcase, rock display, and a session on remote sensing and satellite-based earth observation. Students demonstrated key geological concepts such as mineral properties, fossilization, rock formation, and modern mapping techniques. A special display of rare rocks and elements highlighted their economic and technological significance. Interactive games and exhibits of geological décor and

jewellery added engagement, effectively blending education with creativity and practical applications.

Title : Field and Industrial Visit Nagpur (Gumgao mine, IBM mineral processing lab) for SYBsc Geology.

Date : 08/12/2025 to 10/12/2025

Day 1 : Mine visit and Field Mapping The day began at the Gumgaon Manganese Mine. We examined drill cores revealing layered manganese ores. The on-site geologist detailed underground shaft operations, including selective mining to minimize dilution and ensure grade control. Safety protocols, such as ventilation and roof bolting, were highlighted amid active workings at depths. In the second half, we visited a pegmatite outcrop behind Koradi Mata Temple. This coarse-grained igneous intrusion hosted quartz, feldspar, and mica. Students practiced Brunton Compass techniques to measure strike and dip of the exposure. Field samples of pegmatite were collected for petrographic analysis. **Day 2: Mineral Processing and Analytical Techniques** At the IBM Modern Mineral Processing Laboratory, we toured three sections. The ore dressing pilot plant demonstrated beneficiation : primary crushing (jaw crusher), grinding (ball mill), and separation via gravity (jigs, spirals) and magnetic methods, upgrading low-grade. The chemistry laboratory showcased Electron Probe Micro-Analyzer (EPMA) for quantitative mineral chemistry (e.g., Mn/Fe ratios) and X-Ray Fluorescence (XRF) for bulk elemental analysis. The geology section introduced polarizing microscopes for thin-section identification and X-Ray Diffraction (XRD) for phase quantification.

Title - Field and Industry Visit in and around Ahmedabad-Ambaji, Gujarat for TY and Msc-I Geology

Date - 16.12.25 - 24.12.25

A geological field study was conducted from 17th to 23rd December, integrating industrial visits, research exposure, and field mapping. Students visited Physical Research Laboratory and Oil and Natural Gas Corporation, followed by Institute of

Seismological Research, Indian Institute of Technology Gandhinagar, and Space Applications Centre, gaining insights into geophysics, seismic studies, and remote sensing. Fieldwork in Ambaji included mine visits, lithological and structural mapping, and measurement of geological features. The programme strengthened practical skills in observation, mapping, and data interpretation.

Title - Field Visit in Sanjay Gandhi National Park (SGNP), Borivali

Date - 08/01/2026

The Department of Geology organized a field visit to Sanjay Gandhi National Park for undergraduate students to study volcanic features. Students examined pillow lava structures, gaining insights into subaqueous basaltic eruptions of the Deccan Volcanic Province. The visit also included Kanheri Caves, where students explored basalt formations, jointing, and weathering processes. The excursion effectively linked theoretical knowledge with field observations, enhancing understanding of volcanic geology and Mumbai's geological heritage.

Title - Geology Department Alumni Meet

Date - 24.01.2026

The Department of Geology at K. J. Somaiya College of Science and Commerce organized an Alumni Meet, bringing together former students, faculty, and current students. Alumni shared their professional journeys, offering valuable insights and motivation. Interactive games and informal networking over refreshments created a lively atmosphere. With around 23 alumni present, the event strengthened the student-alumni bond and encouraged future collaboration. Conducted every alternate year, the meet fosters lasting connections and a sense of community within the department.

Students Achievement :

Mr. Tanmay Baikar (TYBSc 2024-25 Batch) got selected for Master in Volcanology at the University of Naples Federico II, Italy.

Ms Chaitanya Rao (TYBSc 2024-25 Batch) got selected for Master in Earth System

Science at University of Grenoble Alpes - Department of Physics, Engineering, Earth, Environment, Mechanics, France.

Mr Devansh Momaya (TYBSc 2024-25 Batch) got selected for Master in Geology at Indian Institute of Petroleum and Energy an autonomous institute under Ministry of Petroleum & Natural Gas, Govt. of India.

Ms Swara Tandel and Ms Ankita Salvi (Msc-Geology 2024-25 batch) got placement at CyberTechsystems and software limited as "Analyst Trainee-GIS" with a package of 5.7 LPA.

Mr Atharva Dandekar (Msc-I 2025-26 & TY 2024-25 Batch) Cleared JAM 2026 for Geology with AIR- 35

Mr Omkar Sawant (TY 2025-26 batch) Cleared JAM 2026 for Geology with AIR- 236

Mr Austin Parmar (MSc-II 2025-26 batch) Gold medal, Avishkar 2025-26 State Level.

Ms Tanvi, Ms Rujavita, Ms Ankita and Ms Leena (TY 2025-26 batch) Selected for State Level in Avishkar 2025-26.

Title – National Symposium on Rare Earth elements and Strategic minerals: Exploration, Processing and Applications.

Date - 06.02.2026& 07.02.2026

The Department of Geology, in collaboration with the Department of Chemistry at K J Somaiya College of Science and Commerce, organised a two-day National Symposium on "*Rare Earth Elements and Strategic Minerals*"(6-7 February 2026). Supported by IREL (India) Limited, Association of Chemistry Teachers, Society for Materials Chemistry, Council of Scientific and Industrial Research, and Anusandhan National Research Foundation, the event featured expert talks, technical sessions, and student presentations. It brought together academia and industry, fostering scientific dialogue, collaboration, and awareness on rare earth elements and their technological applications.

Title – Digital Poster Competition on Occasion of National Science Day.

Date - 06.02.2026 & 07.02.2026

The Department organized a Digital Poster Competition on National Science Day on the theme *"Sustainability, Innovation & Youth Engagement for a Developed India."* Students presented creative posters on sustainability and innovation, highlighting

the role of youth in nation-building. The event promoted scientific awareness, creativity, and critical thinking, making it engaging and impactful.

Department of Mathematics

The Department of Mathematics at K. J. Somaiya College of Science and Commerce actively organized a diverse range of curriculum based and co-curricular activities during the academic year 2025–26. These events were designed to enhance students' conceptual understanding, encourage analytical thinking, and expose them to real-world applications of mathematics not just through the traditional methods but also through fun games. The lectures, workshops, interactive sessions, and celebrations organised by the department fostered a vibrant learning environment that extended beyond the classroom.

1. International Women in Mathematics Day – A Series of Lectures (14th June 2025)

To commemorate the birth anniversary of Fields Medalist Maryam Mirzakhani, the department organized a special lecture series for SY and TY B.Sc. students. Prof. Anisa Chorwadwala from IISER Pune delivered an engaging talk on the geometry of soap bubbles, while Prof. Anuradha Misra from the University of Mumbai highlighted the contributions of Emmy Noether to physics. The session also provided students with insights into the speakers' research journeys, making it both informative and inspiring.

2. Fresher's Mania 2025 (15th July 2025)

The academic year began on an enthusiastic note with Fresher's Mania, marking the inauguration of the Mathletics Club. The event featured a ribbon-cutting ceremony, vibrant decorations, and interactive games for first-year students. The club theme, "The Hustle" inspired by

Scam 1992, was unveiled, followed by the introduction of the core team members.

3. Pi Approximation Day Celebration (22nd July 2025)

The department celebrated Pi Approximation Day with a series of insightful talks by alumni and faculty. The guest speaker Mr Ganesh Aher, Alumni KJSSC gave a talk on "Limits and Reality" followed by a talk by Mr. Sundaram Sharma, Alumni KJSSC on "Existence of Pi". Dr. Deepak More, Faculty, Physics Department, KJSSC then gave a talk on "Evolution of Pi". Student presentations added a creative dimension, with "(Pi)rates of the Caribbean" emerging as a highlight. A quiz further engaged participants, making the event both educational and interactive.

4. JAM Ahead to Success

A guidance session was conducted for TYBSc students focusing on the Joint Admission Test for M.Sc. (JAM) on the 25th of July. . Alumni speaker Mr. Sushil Yadav provided detailed insights into the syllabus, preparation strategies, and career opportunities. His personal journey served as a strong source of motivation for aspiring students.

5. Hindi Diwas Celebration

The department celebrated Hindi Diwas on the 15th of September, to promote linguistic and cultural appreciation. Dedicated to Bhartendu Harishchandra, the event included dramas, poetry, music, and presentations. Students showcased the significance of Hindi as a unifying language, along with its influence on literature and Bollywood music.

6. Book Reading Session

A book reading session was organized at Kitab Khana, Mumbai, featuring Prof. Chandrashekhar B. Khare on the 11th of December. Prof. Chandrashekhar B. Khare discussed his book "*Chasing (a) Conjecture.*" and shared his experiences in mathematical research. The session emphasized the importance of persistence, creativity, and collaboration in solving complex mathematical problems, offering students a deeper understanding of research methodology. He explained that mathematics is not always about finding quick answers. Instead, it often involves long periods of thinking, experimenting, and sometimes even facing failure. From this session, students gained several important insights. Firstly, mathematics is not limited to formulas and calculations; it is also about exploration, creativity, and discovery. Secondly, solving conjectures requires persistence, patience, and the ability to think differently. Thirdly, collaboration and discussion among mathematicians play an important role in research, as sharing ideas often leads to better understanding and solutions. Lastly, the journey of solving a mathematical problem is just as important as the final answer, as it helps in developing logical thinking and problem-solving skills.

7. Mathletics Fest – "The Hustle" (12th December 2025)

The Mathletics Fest 2025, held on 12th December, was successfully organized by the Mathletics Club - the Official Club of the Department of Mathematics at K. J. Somaiya College of Science and Commerce. Inspired by the theme "*The Hustle*," the fest was a spellbinding event that celebrated determination, strategic thinking. The event featured innovative games designed to promote logical thinking and problem-solving skills. Blending mathematics with a touch of magic, the fest aimed to ignite curiosity, promote analytical thinking, and foster a love for mathematics among students. It provided a platform to explore mathematical concepts beyond textbooks through interactive games and activities infused with a magical twist.

The event commenced with a magical flyer drop, followed by an inaugural ceremony graced by the Principal, Vice Principal, Head of the Department, faculty members, and the Mathletics team. The fest featured a series of unique games inspired by the wizarding world, creatively combining fun with mathematical challenges. Each game was thoughtfully designed to make learning engaging and accessible, transforming mathematics into an exciting experience.

The fest witnessed active participation and concluded with a prize distribution ceremony, celebrating the efforts of students and organizers.

8. Alumni Meet

The Department of Mathematics at K. J. Somaiya College of Science and Commerce organized an Alumni Meet on 13th December 2025 at 11:00 AM in the Seminar Hall, with the aim of reconnecting with former students and strengthening institutional bonds. The event commenced with a warm and inspiring address by the Head of the Department, who emphasized the invaluable role alumni play in the growth and development of the department. The gathering provided a wonderful opportunity for alumni to reconnect with their peers, revisit cherished memories of their college life, and share their professional journeys. Their experiences and insights proved to be highly motivating and beneficial for the current students, offering guidance on career paths and personal growth. Overall, the event fostered meaningful interaction and concluded on a positive note, reinforcing the strong and enduring relationship between alumni, students, and the department.

9. National Mathematics Day (22nd December 2025)

The department celebrated National Mathematics Day with an alumni interaction session. Ms. Ann Breeze Joseph and Mr. Siraj Shaikh guided students on career opportunities and JAM preparation strategies. Their experiences provided valuable insights and inspired students to pursue higher studies in mathematics.

10. Workshop on Vedic Mathematics

A peer-led workshop introduced SYBSc students to the techniques of Vedic Mathematics by the TYBSc students. Topics included multiplication methods, square calculations, and quick problem-solving strategies. The session emphasized speed, accuracy, and conceptual clarity, making mathematics more accessible and engaging.

During the 2025–26 academic year, the Mathematics Department organized a variety of activities that really helped students grow, both academically and personally. The department believes in creating a comfortable learning space that prepares students for their future studies and careers.

Department of Microbiology

Departmental Activities

The Department of Microbiology, in the academic year 2025–2026 organized a range of impactful orientation sessions and academic activities aimed at familiarizing students with new curricular frameworks, promoting research culture, and encouraging holistic development through health awareness and hands-on training.

June-July, 2025

1. Six-day Bridge course for S.Y.B.Sc. Microbiology (16th June 25 to 21st June 2025)

Coordinated by Mr. Shabib Khan and Ms. Poonam Shinde

It began with aseptic techniques, lab safety, and proper use of instruments, followed by quantitative exercises like media preparation and cell counting, along with media review. The course concluded with a final evaluation, and successful students received certificates of completion.

2. Orientation Session for B.Sc. and M.Sc. Microbiology Students (14th July 2025)

To orient students with the New Education Policy (NEP) framework and academic expectations, the Department organized comprehensive orientation sessions for S.Y.B.Sc., T.Y.B.Sc., and M.Sc.-II students. Key discussion points included: Detailed course structure, elective options, and credit framework, Time table, syllabus coverage, and attendance policies,

Continuous Internal Evaluation (CIE) schedule and assignment submission timelines, Field visits, internships, and research project opportunities, Progression criteria to higher classes.

3. Orientation on “Aavishkar 2025” – Promoting a Research Culture (10th July 2025)

Coordinated by Dr. Lolly Jain and Ms. Kiran Surve

On, an orientation program was conducted for SY, TY, M.Sc. I, and M.Sc. II Microbiology students, introducing the objectives, structure, and benefits of an initiative, Aavishkar launched by the Hon. Governor of Maharashtra.

4. Guest Lecture: “Healthy Lifestyle – The Key to Happiness in the 21st Century” (18th July 2025)

Coordinated by Ms. Poonam Shinde

A talk on “Healthy Lifestyle: The Key to Happiness in the 21st Century” was organized, attended by 109 participants, featuring Ms. Megha Kothari, Consultant Dietitian and Yoga Therapist. The session emphasized the importance of physical health, adequate sleep, and a balanced diet in enhancing well-being and preventing lifestyle diseases.

5. Hands-On Workshop : Techniques in Molecular Biology at St. Xavier’s College (21st to 26th July 2025)

To enhance practical skills in modern molecular biology, M.Sc. Microbiology

students participated in a Hands-on Workshop at St. Xavier's College, Mumbai. The intensive workshop covered essential techniques in molecular biology, enabling students to gain practical exposure and hands-on experience on PCR, PAGE, AGE, DNA isolation, Plasmid extraction and isolation.

6. Face painting competition : (31st July 2025)

Coordinated by Ms. Versha Peghwal and Ms. Poonam Shinde

In collaboration with the Microbiologist Society, India, organized a Face Painting Competition to promote awareness of microbiological themes through creative expression. Participants depicted topics such as microbial diversity, antibiotic resistance, environmental sustainability, and the hidden microbial world, with Mr. Ketan Thatte, Assistant Professor, KJSSC, serving as the judge. The winners included Ms. Ankita Gupta and Ms. Priya Gangurde (First Prize, T.Y.B.Sc, K.J. Somaiya College of Science and Commerce), Ms. Shabnam Shaikh and Ms. Khan Mariyam (Second Prize, S.Y.B.Sc, B. N. Bandodkar College), and Ms. Aditi Anant Joshi (Third Prize, S.I.E.S. College).

August, 2025

7. Awareness Session: "Sex, Gender and Sexuality – Moving Towards Gender Inclusivity" (4th August 2025)

Coordinated by Dr. Soniya Shetty

The Department of Microbiology organized an insightful session on gender inclusivity, led by **Mr. Ivan John**, Assistant Professor in Sociology at Sophia College, Mumbai. The session shed light on the pressing issues of stigma, discrimination, and lack of acceptance faced by the LGBTQ+ community within families and society.

8. Resume Writing Workshop (4th August 2025)

Coordinated by Ms. Tarannoom Khan

A Resume Writing Workshop was conducted to develop essential resume-building skills among students, led by Dr. Anupama Harshal Wadavlikar, a Woman in

STEM with over 22 years of experience. Emphasis was placed on avoiding irrelevant details and tailoring resumes to specific job roles. The workshop concluded with students creating professional, customized resumes for academic and career opportunities.

9. Pathology Laboratory Visit for S.Y.B.Sc. Students (5th August 2025)

Coordinated by Mr. Shabib Khan

An educational visit for S.Y.B.Sc. Microbiology students to Karnik Pathology Laboratory, Borivali East, Mumbai to provide exposure to diagnostic techniques was organized. Students learned about spectrophotometry, sample processing, CBC interpretation, sugar analysis, and advanced systems like VITEK and API. The session also highlighted career opportunities, internships, and professional pathways in clinical diagnostics.

10. Expert Talk : Ligation-Free Cloning Techniques (6th August 2025)

Coordinated by Ms. Versha Peghwal

An expert session by Dr. Shamlan Reshamwala, Scientific Officer B, ICT, focused on recent innovations in ligation-free cloning techniques was organized. He discussed limitations of traditional cloning and highlighted advantages of methods like Gibson Assembly, SLiCE, and In-Fusion cloning for efficient and accurate DNA assembly.

11. Annual Departmental Fest – Microscope'25 (22nd August 2025)

Coordinator : Ms. Kiran Surve, Co-Coordinator : Ms. Dhanashree Tambe

The annual fest, Microscope'25, featured 9 online and 9 offline events that blended academic excellence with cultural vibrancy. The fest saw enthusiastic participation from 19 colleges (16 from Maharashtra and 3 from outside the state) with a total of 220 registrations, with Vivekanandcollege, Mumbai College recording the highest participation. Microscope'25 upheld its legacy by providing a dynamic platform for students to showcase their knowledge, skills, and creativity.

September, 2025

12. Micro Model Exhibition: “Scientific Creations in Focus” in association with MBSI: (11th September 2025)

Coordinated by Ms. Versha Peghwal and Ms. Poonam Shinde

Micro Model Quest: Scientific Creations in Focus, a model-making competition for postgraduate students was organized, with 19 participants presenting models on topics from Cell Biology, Biochemistry, Immunology, and Virology. The event encouraged creativity, conceptual understanding, and interactive learning. Ms. Shreya Patil, Assistant Professor, Department of Zoology, judged the competition and selected the top three models. The winners were Ms. Aishwarya Rao (1st), Mr. Jay Bhojwani (2nd), and Mr. Om Ghadi (3rd).

13. Career Guidance Session “Future Horizons in and Beyond Microbiology” (12th September 2025)

Coordinated by Ms. Tarannoom Khan

A Career Guidance Lecture was held for undergraduate and postgraduate students to explore opportunities in Life Sciences. Dr. Jayashree Pawar, academician, researcher, and Deputy Controller of Examinations at VPM's B. N. Bandodkar College of Science, and an alumnus of the department guided students on competitive exams like GAT-B, CUET, JAM, and JGEEBILS, higher studies, and emerging fields like Bioinformatics, IPR, and Genetic Counseling. Mr. Amod Apte Operations Analyst at Medline Industries, and an alumnus of the department, in the second session highlighted career prospects in areas such as Clinical and Environmental Microbiology, Synthetic Biology, and Epidemiology, emphasizing innovation and ethics.

14. A Celebration of International Microorganisms Day (17th September 2025)

Coordinated by Dr. Soniya Shetty and Ms. Tarannoom Khan

International Microorganisms' Day was celebrated with a poster presentation

sponsored by the Microbiologists' Society, India. SYBSc students presented research-based posters using Bergey's Manual, while FYBSc students created literature-based posters on selected microorganisms; TYBSc students participated through active interaction. Posters were evaluated for internal assessment, and prizes were awarded to the best entries.

November and December, 2025

15. Antimicrobial Resistance Awareness Week (20th November 2025)

Coordinated by Dr. Soniya Shetty and Ms. Tarannoom Khan

In alignment with the WHO initiative, to promote awareness about antimicrobial resistance (AMR). Students participated through skits, presentations, and an awareness talk highlighting misuse of antibiotics, mechanisms of resistance, and prevention strategies. TYBSc students explained AMR mechanisms, while FYBSc conducted a public survey on antibiotic awareness. The programme effectively emphasized responsible antimicrobial use, hygiene, vaccination, and public education.

16. Foundations of Yoga for Sustainable Wellness (20th November 2025)

Coordinated by Ms. Poonam Shinde

The programme “Foundations of Yoga for Sustainable Wellness” was conducted by Mr. Rishabh Upadhyay, a certified Yoga Wellness Instructor. The session highlighted the scientific and holistic benefits of yoga for stress management, emotional balance, and overall well-being.

17. Idea to Impact: How to Communicate What You Think (27th November 2025)

Coordinated by Mr. Shabib Khan

Ms. Ritika Singhvi, Psychologist and Founder of 'The Safe Space', presented an insightful session on types and elements of effective communication. The speaker emphasized clarity, confidence, active listening, and the role of body language and gestures. An interactive Padlet activity encouraged student participation and self-reflection.

18. Visit to Animal cell culture facility at St. Xavier's Autonomous College, Mumbai (29th November 2025)

Coordinated by Mr. Shabib Khan

The Department of Microbiology organized a visit to the Caius Lab animal cell culture facility at St. Xavier's Autonomous College, Mumbai, for S.Y.B.Sc. Microbiology students. Students were introduced to media preparation, sterilization techniques, types of cell lines, harvesting methods, and observed essential instrumentation used in animal cell culture.

19. Enriching Expressions : Career Pathways in Clinical Data Science & Public Health" (15th December, 2025)

Coordinated by Dr. Lolly Jain and Ms. Poonam Shinde

A session on "Career Pathways in Clinical Data Science & Public Health" was delivered by Dr. Sridevi Nagarajan, an experienced R&D professional and alumnus. She shared insights into emerging career opportunities and her interdisciplinary journey from microbiology to bioinformatics and global healthcare roles. The session highlighted the growing importance of data analytics, digital health, and public health expertise.

20. Open Day (16th December 2025)

The IQAC Committee of K.J. Somaiya College (Department of Microbiology) organized an Open Day on 16th December 2025 for school students to explore microbiology. Students participated in demonstrations like antimicrobial susceptibility testing, selective media, MPN technique, and biogas production. Interactive activities such as handprint hygiene, yeast observation, and card sorter games enhanced learning. The event successfully created awareness and interest in the role of microorganisms in health, environment, and daily life.

21. Journal Club Session: Microbiome, Human Health and Disease (18th December 2025)

Coordinated by Ms. Snehal Dabhade

The session featured student

presentations on the theme Microbiome, Human Health and Disease. Ms. Prarthana Bhiwandkar and Ms. Shravani Parab presented on Human Microbiome: Microbiome and Health, while Ms. Zobiya Khan and Ms. Ankita Mourya discussed Antimicrobial Resistance: Novel Strategies to Combat Antimicrobial Resistance. Ms. Saimoon Multani and Ms. Sheril Thomas presented on Viral Applications : Oncolytic and Therapeutic Viruses. Each presentation was followed by interactive discussions with faculty and students, promoting critical thinking and knowledge exchange.

January, 2026

22. Industrial Visit to KIAAR & Godavari Biorefineries (4th–8th January 2026)

Coordinated by Dr. Soniya Shetty and Ms. Snehal Dabhade

An industrial visit for TYBSc students was organized, bridging theoretical knowledge with practical exposure. Students visited the Karnataka Institute for Agro Research (KIAAR) and Godavari Biorefineries, gaining insights into agricultural research, sugar processing, alcohol production, and quality control through expert interactions. The trip also included educational visits to KIAAR farms, an Effluent Treatment Plant, and notable sites like GolGumbaz and Ibrahim Rouza, ensuring a balanced academic and cultural experience.

23. Biobites Food Fest in association with MBSI (9th January 2026)

Coordinated by Ms. Versha Peghwal and Ms. Poonam Shinde

In collaboration with the Microbiologist Society, India, organized the Biobites Food Fest to promote nutritional awareness and food innovation. Students presented creative, science-based dishes, which were evaluated on nutrition, innovation, presentation, and taste by Ms. Divya Pillai, Senior Clerk, KJSSC and Ms. Rohini Mhatre, Office Superintendent, KJSSC. Idli Chaat won first prize, followed by Moong Dal Appe and Mint Juice with Peas Chaat.

24. Student Corner Activity (5th January-10th January 2026)

Student Corner activities were organized to promote experiential and creative learning. The program included model exhibitions, poster presentations, Microscopic Colorscape, interactive games, and awareness activities like AMR skits. Students showcased concepts such as viral diseases, microbial diversity, and water analysis, along with creative initiatives like Biobites and art workshops. The event saw active participation from students and staff, successfully enhancing scientific understanding, creativity, and collaboration.

**25. Educational Visit to Agro Vegetable Farm, CBD Belapur (19th January 2026)
Coordinated by Mr. Shabib Khan and Ms. Tarannoom Khan**

An educational visit was organized to provide practical exposure to sustainable agricultural practices. A total of 22 S.Y.B.Sc students participated under the guidance of faculty members. Farm experts introduced students to organic farming and eco-friendly pest management. A hands-on demonstration on preparation of Dashparni bio-pesticide was conducted. The visit enhanced students' understanding of sustainable and environmentally responsible farming.

**26. Journal Club Activity (23rd January 2026)
Coordinated by Ms. Snehal Dabhade**

The Department of Microbiology conducted a Journal Club Activity on the theme *Biotechnological Innovations & Tools*, where students presented topics such as synthetic biology, biosensors, and AI in microbiology. The activity enhanced scientific reading, presentation skills, and encouraged critical discussion.

February 2026

**27. World Cancer Day Skit Presentation – 4th February 2026
Coordinated by Dr. SoniyaShetty and Ms. Tarannoom Khan**

On the occasion of World Cancer Day educational skit presentation was done by M.Sc. Part I students highlighting cancer development, risk factors, and treatment options in accordance with their syllabus.

The event featured four creative skits, including *Silent Murder: A Colon Mystery*, *State vs BCR-ABL*, and *Cancer: Not a Full Stop, Just a Comma*, performed by nineteen students, effectively blending science with storytelling. A total of 94 participants, including students, faculty, and non-teaching staff, attended the event.

**28. Mindful Moments: Quick Fixes for a Happier YOU – 4th February 2026
Coordinated by Mr. Shabib Khan**

A wellness session titled *Mindful Moments: Quick Fixes for a Happier YOU* was conducted by Ms. Saira Jain, Preksha Meditation Trainer. The session focused on the benefits of deep breathing, stress management, and mindfulness techniques. Students were introduced to the Preksha Meditation App and engaged in guided meditation and breathing exercises. Overall, 77 students participated and found the session beneficial for improving well-being and time management skills.

**29. Guest Lecture: Dissertation to Industry – 7th February 2026
Coordinated by Dr. Lolly Jain and Ms. PoonamShinde**

Under the *Enriching Expressions* lecture series, a guest lecture was organized on *Dissertation to Industry: Translating Microbial Genetic Engineering Research into Practice* by Mr. Suraj Choudhary, an alumnus of 2024 batch. He discussed CRISPR-Cas9-based fungal genome editing, including the development of a tryptophan auxotrophic mutant of *Aspergillus niger* and related molecular mechanisms. The session also covered transformation workflows, challenges, and troubleshooting strategies. It concluded with guidance on internships and career opportunities in research and industry.

**30. Workshop on Sustainable Development Goals: 24th February, 2026
Coordinated by Ms. Tarannoom Khan**

National Science Day was celebrated by organizing a workshop titled *"SDG's or Youth Work: Are You Ready?"* conducted by Dr. Anupma Harshal Wadavlikar, an independent woman in STEM with over 22 years of experience in academia, research

administration, and science outreach. The session introduced the 17 Sustainable Development Goals and highlighted the role of microbiology in public health, sanitation, and environmental sustainability. Students actively participated through presentations on various SDGs, proposing practical solutions to real-world challenges.

31. Essay writing competition in collaboration with Microbiologist Society, India: 24th February, 2026

Coordinated by Ms. Versha Peghwal and Ms. Poonam Shinde

In association with the Microbiologist Society of India, an intercollegiate essay competition was organized on National Science Day 2026 on the theme "*Science, Innovation & Nation Building*." The event saw participation from 20 students across multiple cities, with essays evaluated on originality and scientific depth. Antima Yadav (Thakur Shyamnarayan Degree College) secured first place, followed by Ratnani Guneet Chander Ela (KJSCC) and Vinaya Joshi (Jai Hind College). The competition was judged by Mr. Shabib Khan.

32. Educational Visit to Somaiya Museum- 24th February 2026

The educational visit to the Somaiya Museum at Somaiya Vidyavihar University had participation of 79 undergraduate students, 18 postgraduate students, and five teachers. Students explored exhibits on Shri Karamshi Jethabhai Somaiya, including photographs, documents, and artifacts, along with a visual timeline highlighting the institution's growth since 1927 and its contributions to agriculture, industry, and education. The visit enriched students' understanding of the institution's legacy and its societal impact.

33. Journal Club Activity : 25th February, 2026

Coordinated by Ms. Snehal Dabhade

A Journal Club Activity was organized under the theme "*Industrial and Food Microbiology*." M.Sc.- I students presented research papers to UG students on topics such as microbial applications in food production, fermentation, preservation, and

food safety. The session enhanced scientific reading, presentation skills, and understanding of recent developments in industrial microbiology.

34. Educational Visit to CSIR-NEERI : 27th February 2026

Coordinated by Ms. Versha Peghwal and Ms. Dhanashree Tambe.

An educational visit to CSIR-National Environmental Engineering Research Institute (CSIR-NEERI) was organized for M.Sc. Part I students, guided by Dr. Shalini Tandon, Principal Scientist, Microbiology Department. Students observed laboratory facilities and environmental monitoring instruments, including systems for ambient air quality and measurement of particulate matter (PM10 and PM2.5), along with sound level meters for noise assessment. They were also introduced to calibration procedures and environmental data recording techniques, providing valuable practical exposure to environmental monitoring methods.

35. Journal Club Activity: 2nd March, 2026
Coordinated by Ms. Snehal Dabhade

A Journal Club Activity was organized under the theme "*Environment, Sustainability & Future Frontier*." M.Sc. students presented research papers to UG students on topics such as environmental microbiology, biofertilizers, and space microbiology. The session highlighted areas like rhizospheremicrobiome, sustainable agriculture, and microbial behavior in microgravity.

36. Session on Business Proposal 6th April 2026

Coordinated by Mr. Shabib Khan

One day session on drafting of Business proposal was organized by the Department of Microbiology. The session was conducted by Dr. SmitaParanjape, where she explained detailed process of drafting a business proposal.

37. Activities for non-teaching (24th September 2025 and 10th December 2025)

Coordinated by Mr. Shabib Khan

The Department of Microbiology conducted training sessions for non-teaching staff on basic computer hardware and MS Word applications. The sessions covered computer components, typing, formatting, tabulation, text editing, and document customization features through demonstrations. Overall, the staff actively participated and gained practical knowledge for efficient use of computers in routine official work.

Consultancy offered by the department

- Monthly Water analysis done for Vidyavihar and Ayurvihar institutes.
- Monthly water analysis and air quality monitoring, equipment monitoring done for Somaiya Sports Academy.

Internship Opportunities for non-Somaiya students

- Ms. Saima Sayyed, a Semester VI student from Amity Institute of Biotechnology, completed her 1 month internship project titled "Assessing Bacterial Resistance Using Standardized Methods." Guided by Ms. Poonam Shinde
- Ms. Prapti Sanjay Shere, M.Sc. Biotechnology (Semester IV) from Changu Kana Thakur Arts, Commerce and Science College, New Panvel and Ms. Shreya Nitin Sonawane, M.Sc. Biotechnology Semester IV student from The Kelkar Education Trust's V.G. Vaze College of Arts, Science and Commerce (Autonomous), Mulund (East), completed a 3-month internship from 24th November 2025 to 24th February 2026. Her dissertation project was titled "Biosynthesis and Preliminary Characterization of Exopolysaccharide from Probiotic Lactic Acid Bacteria and Evaluation of its Antibiofilm Activity against Pathogenic Bacteria." Guided by Ms. Tarannoom Khan
- Ms. Antara Kamlakar Mhatre, M.Sc. Biotechnology (Semester IV) student from Changu Kana Thakur Arts, Commerce and Science College, New Panvel, completed a 3-month internship from 24th November 2025 to

24th February 2026. Her dissertation project was titled "Isolation and Primary Screening of PHB-Producing Bacteria and Comparative Evaluation of Agro-Waste Substrates as Sustainable Carbon Sources for its Production." Guided by Ms. Tarannoom Khan

Faculty Contribution

Research papers published

- Shabib Khan and Lolly Jain. (2025). Inhibition of a Biofilm using Rhamnolipid obtained from a moderate halophile *Pseudomonas aeruginosa* SH-6. *Research Journal of Pharmacy and Technology*, 18(12), 5640-5644, ISSN 0974-3618 (Print).
- Shabib Khan and Lolly Jain. (2025). Production of Rhamnolipid using Moderate Halophilic *Pseudomonas aeruginosa* SH-6 isolated from a Saline Lake. *Journal of Pure and Applied Microbiology*, 19(2), 1049-1070, ISSN: 0973-7510 (Print).
- Shabib Khan and Lolly Jain. (2025). Biosurfactant Production by a Moderate Halophilic *Aspergillus niger* HF-1 isolated from a Saline Lake. *Kavaka* 61(1), 7-16, ISSN: 0379:5179 (Print).
- Khedekar, Deepali Sachin, & Khan, Tarannoom. (2026). Industry-academia connect in the food sector: Preparing future-ready professionals. *International Journal of Science and Research (IJSR)*, 15(2), 964-970.

PROF. (MRS.) LOLLY JAIN

Administrative Responsibilities:

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

Member/Convenor of College/Committees

- Chairperson, Board of Studies in Microbiology, K. J. Somaiya College of Science and Commerce (1st November 2022 onwards)
- Member, Question paper Review Committee, Department of Microbiology.

- Member, CDC
- Convenor, Grievance Redressal and Antiragging Committee, Aavishkar Committee, LOCF Committee,
- Co-Convenor, UGC Planning and Evaluation Committee, Mental Health Committee

Workshops/Seminars/Symposiums/FDP's attended:

- Illuminate Oncology Townhall 3.0 Conference organized by Sir H. N. Reliance Foundation Hospital (13th–15th February 2026).
- First Responder's Training Program for Suicide Prevention by Sister's Living Works in collaboration with L. S. Raheja College (12th–13th December 2025).
- One-week national-level FDP on Integrating Mental Health and Disability Support in Higher Education (29th September–4th October 2025).
- Faculty AI Masterclass under the Google for Education AI Implementation Program 2026 (14th January 2026).
- Mentored a research project on BTEX-contaminated soil remediation for the 20th Aavishkar Research Convention, University of Mumbai (4th December 2025).

Invited as Resource person, judge, external examiner:

Judge for:

- Model making competition as a part of National Science Day and International Pi Day celebration at School of Basic and Applied Sciences, Somaiya Vidyavihar University.
- 20th Aavishkar Inter-collegiate/ Institute/Department level research Convention (Final Round), Category 4: Agriculture and animal Husbandry UG level

Resource person for :

- A talk on 'Plant Biotechnology' organized by the department of

Botany, P.T. Sarvajanik College of Science, Surat

- Two sessions on "ICT for Teaching-Learning-Assessment Process" National Level Full-time Online One-week Short-term Faculty Development Programme on "Four Cornerstones of Quality Higher Education," organized through (UGC-MMTTC), SNDT Women's University, Mumbai, in collaboration with Gharda Institute of Technology, Lavel, Ratnagiri.
- ICT and Cooperative Learning Strategies for Gyanshala Teachers of Delhi-NCR-UP and on Lesson Planning at Terapanth Bhavan, Mehrauli, New Delhi.
- Storytelling and Vikas Ki Avastha-Balyavastha for online VigyaShivir-National Level organized by GyanshalaPrakosht, Ahmedabad.
- Kaalchakra- The Jain Wheel of Time for Gyanshala students and Teachers of Mumbai, organized at G.T. School, Kalbadevi by Mumbai Gyanshala.
- Storytelling and Lesson Planning Gyanshala Teachers of Hyderabad and Kolkatta organized at Terapanth Bhawan, D. V. colony, Secunderabad.

External Examiner:

- M.Sc II Sem III Practical Viva-Voce at St. Xavier's college on 20th November 2025.
- St. Andrew's college of Arts, Science and Commerce for UG second year field projects.
- KC College, HSNC University- Question Paper Setter in Microbiology for M.Sc Sem I, M.Sc Sem III, TYBSc Sem VI 2025-2026

Academic Appointments:

- Vice Chancellor's nominee and Member of Board of Studies in Microbiology and Botany across multiple institutions, including Sathaye College, Jai Hind College, VPM Bedekar College, Bhavan's College, St. Xavier's College, and others.
- Chairperson and University nominee for evaluation of Ph.D. thesis (10) and

as subject expert for curriculum development, including Medical Laboratory Sciences Profession under the National Commission for Allied and Healthcare Professions.

- Subject expert for CAS promotions, Assistant Professor selection committees, Ph.D. guide scrutiny, and co-guide application reviews across reputed universities and colleges in 2025.

Awards:

- Long Service Award by K. J. Somaiya College of Science and Commerce on 10th September 2025.

Dr. Soniya Shetty

Designation : Associate Professor

Committees:

- CAP committee-Co-convenor
- Member - Cultural forum, Mentor-Mentee committee, Research promotion committee, Question paper review committee

Research Project Guided :

- Guided a research project titled 'Effect of phytochemicals on inhibition of germ tube formation in *Candida albicans*' in Agriculture and Animal husbandry Category in UG Level at 20th Aavishkar : Intercollegiate/ Institute/ Department Research Convention

Judge/External Examiner

- Judging Panel Member for International Research Conference for Children 25 scientific poster presentations on 14th June, 2025 at Mewad Kesari Bhawan, Bhandup, Mumbai.
- Examiner for M.Sc. Part I practical examination from 5th to 7th December, 2025 at Ramnarain Ruia college and for T.Y.B.Sc. practical examination from 5th to 7th March, 2026 at CHM college.
- Moderator for F.Y.B.Sc. theory examination at St. Xavier's College and Moderator for M.Sc. theory examination at SVKM's Mithibai College.

Mr. Shabib Khan

Designation: Assistant Professor

Invited as a Resource Person/ Judge/ External Examiner

- Resource person for a Faculty Development Program (FDP) on CO/PO Attainment/mapping organized by VES College, Chembur, Mumbai.
- Judging Panel Member for IRCC student scientific poster presentations at the International Research Conference for Children, at Mewad Kesari Bhawan, Bhandup, Mumbai.
- External examiner for M.Sc. (part 2) practical examination in Microbiology Semester III, at CHM College, Ulhasnagar on 22nd and 23rd December, 2025..

Faculty Development Programme

- National-level online Faculty Development Program on "*Integrating Mental Health and Disability Support into Higher Education: Policy, Practice, NEP-2020 and NAAC Perspective*" (29th September-4th October 2025), organized by Bal-Bharati's Maghanmal J. Pancholia College of Commerce in collaboration with Nucleus of Learning and Development.

Contribution to College

- Co-coordinator for IQAC.
- Member of NEP implementation committee, Academic Audit committee, CAS, Question paper review committee (department level).

Ms. Versha Peghwal, Assistant Professor

As an External Examiner

- External Examiner for M.Sc. Part I Microbiology Practical Examination at St. Xavier's College, CSMT (15th-16th October 2025) and for B.Tech Biotechnology Practical Examination at D.Y. Patil College, Belapur (15th-16th October 2025).
- Moderator for F.Y.B.Sc. and M.Sc. Part I Microbiology Theory Papers at Bhavan's College (24th November 2025).

- External Examiner and Moderator for T.Y.B.Sc. Microbiology Practical and Theory Examinations at Ruia College, Matunga (7th–9th April 2026).

Awards

- ‘Player of the match’ in Women’s TOSS Cricket tournament on 4th February, 2026 organized by Somaiya Sports Academy.

Workshops Attended

- 6 Days Workshop on Research Methodology and Data Analysis using Artificial Intelligence organised by PRIMAX FOUNDATION.
- Workshop on Scientific Writing in Health Research organised by Swayam NPTEL- ICMR-National Institute of Epidemiology.
- Research Methodology (NPTEL course) organised by Swayam NPTEL.
- Research Ethics using Research Methodology: Creating a New Global Education Curriculum organised by Swayam NPTEL.

Contribution to College Committees

- Member, Information cell coordinator, Admission Committee (UG), Career Guidance / Placement, Alumni Association, Sports Committee

Ms. Poonam Shinde, Assistant Professor

Contribution to College Committees

- Committee member of library development, Diksharambh, PG admission (Departmental level)

External Examiner

- Invited as an External Examiner for the T.Y.B.Sc. Microbiology Sem-V Practical Examination held on 20 th and 21 st Nov 2025 at B. K. Birla College, Kalyan.

Activities Organized

- Mentored postgraduate students for 24th National-level Microbiolympiad.

Workshops Attended

- Attended the international online conference on biogas & CBG from 11 th to 15 th Nov 2025.

Ms. Kiran Surve, Assistant Professor

Activities Organized

- Mentored three students in Aavishkar 2025 project titled as Formulation of Plant-Based Foxtail Millet Milk and Its Application.
- Bacteriological analysis of water and environmental monitoring at SVU on a monthly basis.

Resource Person/Examiner

- External Examiner for the T.Y.B.Sc. Microbiology Practical Examination held on 4th March 2026 to 6th March 2026 at St. Xavier’s College, CSMT.

College Committees

- Member, Information cell, CUBE, Aavishkar, Gurudakshata

Ms. Tarannoom Khan, Assistant Professor

Faculty Development Program:

- One-month online Faculty Induction Programme (*Guru Dakshata*) under the Malaviya Mission Teacher Training Programme (UGC), organized by UGC-MMTTC, Shri Guru Tegh Bahadur Khalsa College, University of Delhi (26th May–23rd June 2025).

Research Project:

- Guided a UG-level research project titled “*Formulation of a Non-Dairy Probiotic Beverage Infused with Lactic Acid Bacteria Indigenous to Idli Batter*” at the 20th Aavishkar Intercollegiate Research Convention

External Examiner

- M.Sc. II Semester III practical examinations, including regular practicals and minor research project viva-voce at Patkar Varde College, Goregaon and S.I.W.S. College.

- Paper setter and moderator for TYBSc and MSc courses in Medical Microbiology, Microbial Biochemistry, Pharmaceutical and Cosmetic Microbiology, Cell Biology, Immunology, and related subjects at Patkar Varde College.
- Examiner for B. Tech (Biotechnology) Semester V practical examinations at D.Y. Patil Deemed to be University, CBD Belapur.

Visiting Faculty:

- Visiting Faculty for B.Sc. Nursing (Semester II) students at K. J. Somaiya College of Nursing, Ayurvihar, Sion (East).

Contribution to College Committees:

- Member, Examination Cell, Feedback Committee, Admission Committee - MSc-I admissions, Tarangan (Social Outreach) Committee, LOCF Committee

Certificate course:

Conducted Lectures for the following Certificate TYBSc - Bioinformatics (3C).

FYBSc - Mushroom Cultivation (4C)

Ms. Snehal Dabhade, Assistant Professor

Participated in Seminar/ FDP's

- Faculty Knowledge Sharing Programme on the theme "AI-Driven Innovation in Education: Shaping Faculty Roles and student's career" at ICFAI Business School, Mumbai on July, 30th 2025.
- Illuminate : Oncology TowanHall 3.0 at Jio Convention Centre, Mumbai on 13th to 15th February, 2026.

Ms. Dhanashree Tambe :

External Examiner

- Invited as external practical examiner at B. N. Bandodkar college on 8th -10th October 25

Participated in Seminar/ FDP's

- One-month online Faculty Induction Programme (*Guru Dakshata*) under the

Malaviya Mission Teacher Training Programme (UGC), organized by UGC-MMTTC, Shri Guru Tegh Bahadur Khalsa College, University of Delhi (26th May-23rd June 2025).

Contribution to college Committees:

- Member, APAV (Aaple Prashna Aaple vidnyan), CAP (Central assessment programme)

Student Achievements and participation

- Ms. Shruti Pansare and Ms. Puspha Chaudary, TYBSc students under the guidance of Ms. Tarannoom Khan, received the Best Research Paper Award for their research on a non-dairy probiotic beverage infused with lactic acid bacteria derived from idli batter. The award was presented at the 11th Multidisciplinary International Conference on the theme "*IKS: Bridging Tradition, Innovation & Sustainability*", held on 14th March 2026 and organized by Chandrabhan Sharma College in collaboration with the University of Mumbai and the ICFAI Foundation.
- Ms. Samruddhi Bhoite from S.Y.B.Sc. Microbiology was awarded Best All-Round Student of the Year (2025-26) for exceptional performance in academics, extracurricular activities, and overall personality development.
- Ms. Hemangi Rajput M.Sc. II was awarded the Best Girl Student of the Year (2025-26) for her remarkable achievements in academics and co-curricular activities.
- Ms. Athashree Bhosale from M.Sc. II received the Best Student Award (MBSI - PG Category) for outstanding academic performance and overall excellence.
- Ms. Shruti Kamble from T.Y.B.Sc received the Best Student Award (MBSI - UG Category) for outstanding academic performance and overall excellence.

Other Awards of students

Name of the Student	Class	Name of the Event	Name of the Award/Medal	Level	Date of the Event
Ms. Hemangi Rajput	M.Sc II	International Conference on Environment and Ecology	Secured First Prize in Poster Presentation at International Conference on Environment and Ecology	Inter-national	05-06-2025
Mr. Om Ghadi	M.Sc I	Model Making (MBSI)	Secured Third Prize	Local	11-09-25
Ms. Ishita Shinde	M.Sc I	BIOBYTES (MBSI)	Secured Second Prize	Local	09-01-25
Ms. Bhargavi Patil	M.Sc I	BIOBYTES (MBSI)	Secured Second Prize	Local	09-01-25
Ms. Ankita Gupta	T.Y.B.Sc	BIOBYTES (MBSI)	Secured First Prize	Local	09-01-25
		Face painting competition, MBSI	Secured First Prize	Local	31-07-25
Ms. Swanandi Chavhan	T.Y.B.Sc	BIOBYTES (MBSI)	Secured First Prize	Local	09-01-25
Ms. Samruddhi Bhoite	S.Y.B.Sc	Best All-Round Student of the Year	Best All-Round Student of the Year	Local	
Ms. Shravani Walavalkar	S.Y.B.Sc	Enconium 2025	Best Star Sports Award Girl 2025-26	Local	
		Inter zone and inter collegiate swimming tournament 2025-26	1st place in 100m Butterfly, 1st place in 200m butterfly, 2nd place in 50m butterfly, 3rd place in 800m butterfly	Local	16-09-26
Mr. Saish Patil	S.Y.B.Sc	Annual Karate championship	Best Student Award	Local	21-12-25
		Annual Karate championship	Secured first prize in kata's	Local	21-12-25
Ms. Nidhi Jaiswal	S.Y.B.Sc	Zorilla-Coral canvas	Secured second prize certificate in Tote bag painting	Local	08-12-25
Ms. Siddhi Shetty	F.Y.B.Sc	CRESCENDO '25	Secured first Prize in Murder Mystery	Local	14-11-25

Ms. Aisha D'Costz	F.Y.B.Sc.	CRESCENDO '25	Secured first Prize in Murder Mystery	Local	14-11-25
Ms. Shreya Padwale	F.Y.B.Sc.	CRESCENDO '25	2nd prize in Biopathway	Local	14-11-25
		Rasayan : Memory Challenge	Secured first prize	Local	16-12-25
		24th National Level Microbi Olympiad UG-MBQ	Secured second prize	Local	10-02-26
		Pre Udaan Creative Writing Competition	Secured third prize	Local	22-12-25

Overall Participation in other curricular and co-curricular activities

Class	No of Students Participated
F.Y.B.Sc	58
S.Y.B.Sc	41
T.Y.B.Sc	35
M.Sc I	60
M.Sc II	22

Student's participation in 25th Inter-Collegiate Aavishkar Research Convention

Name of the student	Class	Name of the Event	Participation in	Level
Ms. Shruti Kamble	T.Y.B.Sc	Aavishkar Research Convention	Poster Presentation	Inter-University
Ms. Binali Ambore	T.Y.B.Sc	Aavishkar Research Convention	Poster Presentation	Inter-University
Ms. Noor-E-Ulfat	T.Y.B.Sc	Aavishkar Research Convention	Poster Presentation	Inter-University
Ms. AnkitaDedhia	T.Y.B.Sc	Aavishkar Research Convention	Poster Presentation	Inter-University
Ms. Ankita Gupta	T.Y.B.Sc	Aavishkar Research Convention	Poster Presentation	Inter-University
Ms. Pushpa Chaudhary	T.Y.B.Sc	Aavishkar Research Convention	Poster Presentation	Inter-University
Ms. Shrushti Pansare	T.Y.B.Sc	Aavishkar Research Convention	Poster Presentation	Inter-University
Ms. Pradnya Barkale	Ph.D	Aavishkar Research Convention	Poster Presentation	Inter-University

Department of Physics

ANNUAL REPORT : ACADEMIC ACTIVITIES

1. Department of Physics Academic Year 2025–2026

The Department of Physics remains committed to fostering a culture of scientific attitude and practical excellence. During this academic year 2025–26, our department organized multiple events that are comprehensive suite of academic, outreach, and experiential learning activities. These initiatives were well designed to bridge the gap between theoretical classroom concepts and cutting-edge industry developments. Our primary goal for this academic cycle was to provide students with exposure to:

Quantum Advancements : Understanding the future of computing and light.

Industrial Application : Observing large-scale scientific operations.

Downward integration and Outreach : Igniting interest in physics among school-level students.

Overall Holistic Development : Integrating financial literacy and career guidance into the scientific curriculum.

2. Distinguished Lecture Series & Specialized Workshops

The department hosted a series of insightful sessions featuring prominent scientific speakers from premier research institutes and the industry.

2.1 Ray of Light in Light of Quantum

- **Date :** 12 December 2025
- **Speaker :** Dr. Shree Ganesh Prabhu, Faculty, TIFR Mumbai
- **Summary :** This lecture delved into the quantum nature of light, discussing photons, wave-particle duality, and how these fundamental principles govern modern optical technologies.

2.2 Quantum Computing using Superconducting Circuits

- **Date :** 13 December 2025

- **Speaker :** Dr. Madhavi Chand, Faculty, TIFR Mumbai

- **Summary :** A deep dive into the “Second Quantum Revolution.” Dr. Chand explained the architecture of superconducting qubits and the immense potential of quantum processors in solving complex computational problems.

3. Skill sharpening & Global Outlook

Beyond core physics, the department emphasized on “Life Skills” and “Global Mobility.”

3.1 Financial Literacy Session (12 Dec 2025):

Conducted by the 5paise Team, this session taught students the importance of financial planning, investment vehicles, and fiscal responsibility-essential skills for graduating professionals.

3.2 Overseas Opportunity Session :

Facilitated by Mr. Siddharth Balla (University of Milan), providing a roadmap for international higher education, including insights on accommodation, finance, and scholarship applications in Europe.

4. Field Visits, Experiential Learning & Night Sky Observation Camp

- **Location :** Gholvad
- **Leads :** Shri Ketankumar Gaikwad and Dr. Arijit Panda
- **Impact :** More than 30 undergraduate students, alongside peers from other institutes, engaged in hands-on astronomy. Participants learned to operate telescopes and identify celestial bodies, merging textbook theory with the vastness of the night sky.

5. Academic and Industrial Visits

Field visits are a cornerstone of our curriculum, offering students a “behind-the-scenes” look at professional science.

5.1 Space Applications Centre (SAC), Ahmedabad :

Students explored the heart of India's satellite technology. The visit focused on remote sensing and the physics of payload design. The tour also spread to PRL, IIT Gandhinagar, SAC, ONGC and ISR

5.2 Institute of Chemical Technology (ICT), Mumbai :

Accompanied by Dr. Pallavi Raote and Dr. Rucha Naik, 24 TYBSc students observed advanced instrumentation used in Material Science, including SEM and XRD technologies.

5.4 TIFR Science Day (28 Feb 2026):

A large delegation of 30 students and 6 faculty members (including HOD- Mr. A. M. Shaker, Dr. Deepak More , Dr. Geeta Nair, Dr. Jitendra Pendharkar, Dr. Anshul Gupta and Dr. Arijit Panda) attended lectures and demonstrations at TIFR, interacting directly with research scientists.

6. Community Outreach : The Light Show

Supervised by Dr. Pallavi Raote, the annual Physics Light Show served as our primary outreach event. By demonstrating optical phenomena to school children, the department fulfilled its mission to inspire the next generation of scientists.

7. Internship & Industry Placement

The department successfully facilitated industry-academic bridges.

Tej Electronics, Thane : Two MSc Semester IV students, Mr. Bhavesh and

Mr. Ganesh, secured paid internships. This opportunity provided them with critical hands-on experience in electronics manufacturing and instrumentation design.

8. Φzika The Departmental Physics Festival

Dates : 12–13 December 2025, Φzika remains the heartbeat of student life in the department. The 2025 edition saw record participation in the following events :

8.1 Physics Quiz & Fizingo : Testing core knowledge and speed.

8.2 Treasure Hunt & Bob the Builder : Encouraging teamwork and structural logic.

8.3 Essay Writing & Hackathon : Fostering scientific communication and coding skills.

The Academic Year 2025–26 has been a year of significant growth. By balancing high-level research lectures from TIFR with practical visits to SAC and ICT, the Department of Physics has ensured that our students are not just graduates, but well-rounded scientific thinkers.

Faculty Participation Acknowledgement:

Special thanks to Dr. Deepak More, Dr. Geeta Nair, Mr. A. M. Shaker (HOD), Dr. Jitendra Pendharkar, Dr. Anshul Gupta, Mr. Deepak Jalla, Dr. Pallavi Raote, Mr. Ketan Gaikwad, Dr. Rucha Naik and Dr. Arijit Panda along with supporting staff for their leadership across these initiatives.

Department of Statistics

Department of Statistics - Report (2025-26)

Mr. Prashant Shah, Head Department of Statistics retired in July 2025 on his superannuation after 38 years of dedicated service in K J Somaiya College of Science and Commerce. He worked in many committees like admission, NAAC, website development.

Student Achievements -

- Mannat Jain and Aastha Yadav (S.Y.B.Sc. Statistics) won second prize in Nationwide Quiz Contest on Official Statistics organised by National Statistics Office, Field Operation Division (NSO : FOD), Regional Office, Mumbai.

- Mannat Jain from SYBSc of K. J. Somaiya college of Science and Commerce secured second position in Somaiya Science Talent Search 2025 and was awarded by our Hon'ble Vice Chancellor, Prof. V. N. Rajasekharan Pillai.
- Soham Kadam, Harsh Mourya and Ronak Gori from SYBSc won third prize in the data analysis competition held by R. J. College, Ghatkopar (W).
- Ayush Jadhav, Krupa Gadhia participated in 'Avishkar'.

Student's Corner

The Student Corner featured a range of engaging and interactive activities designed to make statistics fun and relatable. Games such as choosing the correct door and estimating the number of marked fish were conducted with enthusiastic participation from both students and teachers. The display gallery was further enhanced with informative charts and polls on various topics to encourage student involvement. An interesting addition was an app-based activity that helped participants assess whether they exhibited signs of nomophobia.

Happenings in the Department of Statistics

National Statistics Day (30th June, 2025)

The Department of Statistics celebrated National Statistics Day on 30th June 2025 to mark the birth anniversary of Prof. P. C. Mahalanobis. The Head of the Statistics Department, Mr. Prashant Shah highlighted the importance of statistics in a data-driven world. The chief guest, Mr. Mahesh Deosthale, Alumnus of Statistics Department delivered an insightful lecture on real-world applications of statistics. Students presented topics on the Indian Knowledge System, and an engaging "Statistical Bingo-Housie" added a fun learning element. The event concluded with a vote of thanks, making it both informative and interactive.

Seminar on Emotional Wellbeing (16th September, 2025)

A seminar on "Emphasis on Emotional

Well-Being" was conducted on 16th September 2025. The resource person, Ms. Kshitija Sawant, Counsellor in the college, discussed topics such as test anxiety, stress management, time management, and peer pressure. Through interactive activities and practical strategies, students gained awareness of emotional health and coping mechanisms. The session encouraged self-reflection and highlighted the importance of counseling, concluding with a vote of thanks.

Sankhyashastra – Department Fest (22nd September, 2025)

Sankhyashastra 2025, the annual departmental fest, was organized to promote academic engagement and student participation. The event featured a guest lecture on career opportunities and competitive examinations in statistics by Mr. Vinay Jadhav, Alumnus of the department, Class I officer at NABARD. Various interactive activities such as quizzes, estimation games, and simulations were conducted. Cultural performances added vibrancy to the programme. Prizes were distributed to winners, and the event concluded with a vote of thanks, successfully blending learning with enjoyment.

Guest Lecture on Clinical Trials (25th September, 2025)

A guest lecture on biostatistics and clinical trials by Dr. Vinay Pawar, Lecturer at D.Y. Patil college provided students with insights into the role of statistics in healthcare research. The session covered research methodology, types of errors, study designs, and phases of clinical trials. Concepts like randomization, blinding, and Good Clinical Practice were explained. The lecture emphasized evidence-based decision-making and enhanced students' understanding of the scientific and ethical aspects of research.

Lecture on Econometrics (8th October, 2025)

A lecture on "From Macro-Economics to Macro-Econometrics" introduced students to economic theories and their quantitative applications. The speaker, Ms. Dr. Flora Shukla, Assistant Professor,

KJSAC, explained classical and Keynesian approaches, fiscal and monetary policies, and inflation concepts. The session also highlighted econometric modeling of inflation using key economic variables. Real-world examples made the lecture engaging and relevant, strengthening students' conceptual understanding.

Workshop on Advanced Excel (2nd December, 2025)

An Advanced Excel Workshop was conducted to enhance students' data handling skills. The Resource person Mr. Elengeswaran from Malaysia covered topics like essential shortcuts, functions, and the application of VLOOKUP through practical examples. Interactive quizzes kept students engaged. The workshop provided hands-on experience and helped students understand the practical use of Excel in data analysis.

Lecture on Data Mining – “From Data to Insight” (20th December, 2025)

A guest lecture by Mr. Saurav Saha (Alumnus of the department, Data Science Manager at Deloitte) on data mining focused on the importance of statistical foundations in data science. The speaker shared real-world industry projects and explained techniques such as data preprocessing, decision trees, and clustering. The session emphasized practical applications and motivated students to strengthen their analytical skills.

Industrial Visit – Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli, (3rd January to 6th January, 2026)

An industrial visit to Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli, provided students with practical exposure to statistical applications in agriculture.

Students observed experimental designs, vermicomposting studies, and agrometeorological instruments. The visit also highlighted sustainable farming practices and standardized data collection methods. It was an enriching experience connecting theory with real-world applications.

Power BI Workshop (14th February, 2026)

A Power BI workshop was organized to introduce students to data visualization and dashboard creation. The resource person, Ms. Poonam Deshmukh (Alumnus of the department, Associate Statistical Programmer, Johnson and Johnson) demonstrated data cleaning, transformation and visualization techniques using real datasets. Students gained hands-on experience in building dashboards and understanding KPIs. The workshop concluded successfully, equipping students with practical analytical skills.

Research Contribution

- **Paper published** - Ms. Arati Kore & Ms. Namrata Nagwekar published a research paper in Peer Reviewed journal.
- **Paper presented** - Ms. Namrata Nagwekar & Ms. Arati Kore presented a paper in International Webinar.

MoUs -

The department established two Memoranda of Understanding (MOUs) with IT Vedant and K. J. Somaiya College of Nursing.

Consultancy -

The department provided consultancy services to the students of K. J. Somaiya College of Nursing and K. J. Somaiya College of Physiotherapy.

Department of Zoology

1. Seminar on Innovation in Aquaculture

A seminar on “Innovation in Aquaculture” was organized on 11th July 2025 in collaboration with Taraporevala Marine Biological Research Station, Bandra. Eminent resource persons Dr. Shashikant Meshram, Dr. Vivek Vartak, Dr. Pravin Sapkale, Dr. Bharat Yadav, and Shri. Ravindra Bondre from FSTMBRS and TMBRS shared insights from their respective areas of expertise, including Biofloc Technology, Cage Culture, Water Quality Management, and Ornamental Fish Culture.

2. Exploring Nature : A Biodiversity Trail at Somaiya Vidyavihar

On July 19, 2025, the Zoology Club organized a Nature Trail at Somaiya Vidyavihar Campus for T.Y. BSc and M.Sc. students. Led by alumnus and naturalist Rajneesh, the trail aimed to give students hands-on experience with insect morphology, classification, and ecosystems. Highlights included observing butterflies like the Tailed Jay, Blue Jay, and Tiger Butterfly, as well as various caterpillars and their host plants in the Biodiversity Garden. Students also encountered slugs, snails, a garden lizard, and bird nests, sparking curiosity about ecological connections.

3. Mangroove Walk

The Department of Zoology organized a one-day visit on July 26, 2025, to Thane Creek in celebration of World Mangrove Day. Thane Creek, a tidal estuary in Maharashtra, is renowned for its rich biodiversity, including extensive mangrove forests and migratory flamingos. The visit, held from 8:00 am to 12:30 pm, was guided by Dr. Amol Patwardhan, Mr. Rishiraj Duggal, Ms. Divya Sarang, and Mr. Ram Salvi as teacher coordinators. Activities included a trail through mangroves and wetlands, bird watching, and the identification of local flora and fauna, followed by discussions on the ecological importance and conservation of mangroves and wetlands.

4. Seminar on Adaptations in Birds

The Department of Zoology organized an engaging outreach program for Grade II students of Somaiya School on the topic of “Adaptations in Birds” on 28th July 2025. The session began by introducing the idea of “adaptations” as special features that help animals survive and live better in their surroundings. Using simple explanations, colorful visuals, and real bird specimens, the presenters showed how birds have different beak shapes for eating various kinds of food- like seeds, insects, or fish— and how their feet are suited for perching, swimming, or catching prey. The use of actual bird specimens made the session especially exciting and hands-on for the young students.

5. Careers After Zoology

On 5th August 2025, the Department of Zoology organized a guest lecture on Careers after Zoology, delivered by Dr. Sabhyasachi Sautya, Principal Scientist at CSIR-National Institute of Oceanography, Mumbai. Designed for both UG and PG students, the session explored educational pathways, essential skills, and research prospects in marine and broader biological sciences. Dr. Sautya also highlighted the ecological significance of benthic organisms and the sustainable use of ocean resources, providing insights into the vast potential of marine ecosystems. The event included the screening of a short documentary on water and sediment sample collection from remote and deep-sea locations, offering students a hands-on view of marine research.

6. Institutional visit to CIFE (Central Institute of Fisheries Education), Versova, Mumbai

The Department of Zoology organized a one-day institutional visit to ICAR-CIFE, Versova, Mumbai on 21st November 2025 as part of the curriculum. TY B.Sc. and M.Sc. Part I students, accompanied by Mr. Ram Salvi and Dr. Kanika Pahwa, participated in academic and practical sessions across various laboratories. Students learned

about fish nutrition and feed formulation, fish health and disease management, genetics and biotechnology, and modern aquaculture practices. They also visited the museum and central library, gaining exposure to preserved specimens, fishing equipment, and research resources, making the visit an enriching learning experience.

7. One day Field Visit to Saguna Baug, Neral

A one-day educational visit to Saguna Farm, Neral was planned on 24.11.2026 and began at 9:30 a.m. with a guided tour after breakfast. Students learned about medicinal plants, essential oil extraction, and apiculture through a live beehive, and observed exotic birds and reptiles in the aviary. The highlights included a pearl oyster culture demonstration, different fishery nets, a live fish catch, and a Mallakhamb performance. The visit concluded with a bullock cart ride and boating, combining learning with recreation.

8. Annual Department fest ZORILLA-Coast Community Conservation

The Department of Zoology organized its annual intercollegiate fest ZORILLA 2025–26 on 08.12.2025 at K. J. Somaiya College of Science and Commerce with the theme “Coast Community Conservation.” The fest aimed to promote awareness of marine biodiversity, coastal livelihoods, and sustainable practices through engaging and educational activities. Events such as Quest Invaders (quiz), Fauna Race, Coral Canvas (tote bag painting), and Baaz Ki Nazar (wildlife photography) encouraged creativity, knowledge, and conservation awareness, attracting enthusiastic participation from various colleges. The fest concluded with a valedictory ceremony honoring winners and contributors, marking a successful celebration of learning, conservation, and community spirit.

9. International Conference in Biological Sciences on “Coast, Community and Conservation”

The Department of Zoology organized an International Conference in Biological Sciences on “Coast, Community and

Conservation” on 17.01.2025, sponsored by the Mangrove and Marine Biodiversity Conservation Foundation of Maharashtra. The conference addressed the urgent challenges faced by coastal ecosystems, which are among the most biologically productive yet increasingly threatened by climate change, pollution, and unsustainable development. Aligned with the United Nations Sustainable Development Goals on Life Below Water and Climate Action, the conference aimed to promote community-centered and interdisciplinary solutions. The event was inaugurated by the esteemed Chief Guest Dr. K. R. Shreenath, Director, Fishery Survey of India (FSI), while the valedictory session was graced by Dr. Sabyasachi Sautye, Principal Scientist, National Institute of Oceanography. Plenary sessions by eminent scientists Dr. Deepak Apte (DES Pune University), Dr. Pankaj Sekhsaria (IIT Bombay), and Dr. Bhavani Narayanaswamy (SAMS, Scotland) highlighted innovative strategies for sustainable conservation, climate resilience, and community engagement. Delegates from across India—including Gujarat, Haryana, Maharashtra, Himachal Pradesh, and West Bengal—and international participants from New Zealand and Scotland enriched the conference through active knowledge exchange. Participants actively engaged in oral and poster presentations, sharing innovative ideas and interdisciplinary perspectives. The conference successfully fostered knowledge exchange, collaboration and awareness on the ecological, social and economic dimensions of coastal conservation.

10. Excursion - The Department of Zoology organised its annual Long Excursion to Jim Corbett National Park, Uttarakhand from 20.01.26 to 27.01.26 with TYBSc and MSc students. The Excursion included visits to Nainital Zoo, Butterfly Research Centre, Corbett Museum and Jim Corbett National Park. Field visits were an immersive learning experience and encouraged active participation, observation, and critical thinking in learner's. It also offered an opportunity for students to interact with experts or local communities, broadening their understanding of the topic at hand

and enhancing their practical knowledge. 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.

11. Student's Display Corner Activity

The Department of Zoology organized Student Display Corner Activity from 27.01.2026 to 31.01.2026 to encourage experiential learning and peer teaching among students. Students actively participated by displaying and explaining various topics through models and demonstrations.

The Embryology Models illustrated different stages of embryonic development in a clear and visual manner. Crafts and Gears showcased creative handmade models demonstrating basic mechanical principles. The Epidemiology display explained disease spread, prevention and control using charts and models. Oceanography Instruments introduced tools used in marine research and their practical applications. Animal Housie was an interactive activity that helped students learn animal-related concepts in an engaging way.

UG and PG students efficiently explained the topics to fellow students and demonstrated the models confidently.

12. Social Outreach Activity- Enrich Lives foundation

The Department of Zoology organized an outreach activity for underprivileged students with Enrich Lives Foundation on 17/02/2026. The aim was to provide educational support, motivation, and awareness on essential life skills. The program was conducted to promote health and hygiene and social responsibility among students of the Primary section. The program included interactive sessions, basic educational activities, games and awareness talks. Faculty members and student volunteers conducted sessions on basic science concepts, hygiene practices and environmental science. Fun learning activities such as quizzes and group

discussions were conducted. A total of 26 primary section students from the Enrich Lives foundation participated in the activity. Two faculty members and nine student volunteers were actively involved in organizing and conducting the program. Refreshments were distributed to the students. The activity successfully created a positive learning environment and boosted students' confidence. The participants actively engaged in discussions and activities. The program helped in spreading awareness and provided motivation to the students.

13. Field visit to CSMVS

On 16 February 2026, FYBSc Zoology students visited the Natural History Section of Chhatrapati Shivaji Maharaj Vastu Sangrahalay, Fort, as part of an academic field activity. During the visit, students participated in an experiential learning session at the mammal and bird galleries, where they closely observed the distinguishing features of various avian and mammalian orders. The activity emphasized peer learning, with students working in groups to analyze and present comparative observations based on their study. A total of 18 students participated in the visit, accompanied by two faculty members, making it an engaging and informative learning experience.

14. Celebration -National Science Day

The Department of Zoology organized a National Science Day celebration Online quiz activity for students. The aim was to generate awareness amongst students about sustainability. Students from UG and PG attempted the online quiz.

15. Visit to Veermata Jijabai Bhasale Botanical Udyan and Zoo.

Field visit was conducted as part of curriculum. Students reported at 10 am and visit was concluded at 3pm. They were divided in groups and were allotted to observe specific animal enclosure for which at the end of visit they submitted their report. Students should be able to design animal specific enclosure

Junior College

Attendance Committee Report

The Attendance Committee met three times during the academic year to discuss and implement strategies to improve student attendance. Key activities included:

1. **Monthly Defaulter Lists :** Teachers prepared and submitted defaulter lists as per HSC Board protocols.
2. **Parent Meetings :** Meetings with defaulter students' parents were held for SYJC Std on 13 Sept 2025 and for FYJC Std on 15 Nov 2025. Tentative dates for further meetings were also discussed and planned.
3. **Communication :** Parents of defaulters were informed about students' absenteeism via email, and students were informed through notices.

4. **Chronic Absenteeism :** Cases were discussed, and follow-up actions were reviewed.

The committee worked closely with class teachers and the administration to ensure protocols were followed and information was displayed on the college notice board.

Key Outcomes :

- Improved tracking and monitoring of student attendance
- Enhanced communication with parents and students -
- Effective follow-up actions for chronic absenteeism

Annual Sports Day Report AY25-26 (Dept – PE)

The Annual Sports Day of K.J. Somaiya College of Science and Commerce was celebrated with great enthusiasm and sportsmanship on the college ground. The event aimed to encourage physical fitness, teamwork, and leadership qualities among students while promoting a healthy competitive spirit.

The program began with the welcoming of the Chief Guest and Vice-Principal, followed by the lighting of the ceremonial lamp and the hoisting of the sports flag. Students from different classes and degree participated in a disciplined march past, demonstrating unity and coordination.

Various track and field events such as 100m and 200m races, relay races, long jump, and shot put were conducted. Students actively participated and showcased their talent, determination, and team spirit. The audience enthusiastically cheered for the participants, creating a lively and motivating atmosphere.

In addition to competitive events, fun activities like tug of war and recreational games were organized to ensure maximum student involvement. These activities promoted bonding and enjoyment among students and staff members. Faculty members also participated in selected events, adding excitement to the celebration.

The Chief Guest addressed the gathering and highlighted the importance of balancing academics and sports for overall personality development. The Vice Principal appreciated the efforts of the Physical Education Department and the organizing committee for successfully conducting the event.

The celebration concluded with a prize distribution ceremony where winners were awarded medals and certificates. The Annual Sports Day was a grand success, reinforcing the importance of sports in fostering discipline, confidence, and unity among students.

Number of beneficiaries –
Students XI : 789
Students XII : 56

Teaching : all the Jr. college faculties
and degree college 4 faculties
Nonteaching : 11

Awards and Rewards Committee Report

The Awards and Rewards Committee of K. J. Somaiya Junior College of Science and Commerce actively worked during the academic year 2025–26 to recognize excellence, dedication, and holistic development among staff and students. Through various initiatives, the committee fostered a culture of appreciation and motivation within the institution.

The year began with the felicitation of Mr. Krishna Srivastava on 10th September 2025, who was honoured with 'The Long Service Award' for his dedicated contribution to the institution.

During the Foundation Day – Somaiya Awards 2025 celebrations held on 1st December 2025, four students from our college were nominated for the prestigious Star Boy and Star Girl Awards. It was a moment of great pride for the institution when Mythili Somaiya (Std. XII) was

conferred with the Star Girl Award, bringing honor and recognition to the college.

A major highlight of the year was the structured selection process for the Best Student Awards. A total of 47 student entries were received, followed by multiple evaluation rounds, including self-introduction, grooming sessions, judges' round, and the final round assessed by esteemed judges. The titles were awarded to Rishi Rakesh Singh (Best All-Round Student 2025–26) and Sharanya Mahesh Sawant (Best Girl Student 2025–26).

The entire process provided students with a valuable platform to showcase their talents, enhance confidence, and develop leadership and communication skills. The initiative successfully upheld the institution's commitment to recognizing merit and inspiring students to strive for excellence.

BIO-DYNAMOS (Department of Biology)

- The Department of Biology this year conducted two events under the banner of "BIODYNAMOS" to foster creativity, confidence, scientific

aptitude and holistic development among the students of grade 11 and 12 as mentioned below :

Event	Date	Number of Participants	WINNERS
1. BIOBLOOM RANGOLI (Rangoli on biology topics using biological materials)	6th November 2025	30	5
2. NEUROQUIZ (Quiz in 3 phases based on human brain and control & co-ordination)	12th November 2025	138	5

- These events are designed to create a positive, enriching experience for students, focusing on Biology. These

competitions help the students to develop essential skills in communication, critical thinking, and

teamwork and application-based knowledge in various areas of Biology.

- Two topper students of NEUROQUIZ from grade 11 represented our Junior

College in MUMBAI REGIONAL BRAIN BEE COMPETITION held at Saifee Hospital on 1st February 2026.

Charting the Course for Commerce Students

Ms. Kajal Shethia, commerce professional and career counsellor, guided 85 students through the diverse opportunities that await after Class XII.

The Department of Commerce organised an interactive career counselling session on 16 March 2026. Ms. Shethia – M.Com, University of Mumbai – covered careers in CA, CS, CMA, Banking, Finance,

and Entrepreneurship, stressing the importance of early planning and continuous learning.

The session was highly interactive – students asked questions freely and left with clarity and motivation to pursue their chosen paths. The programme concluded with a vote of thanks and a warm felicitation by the Teacher.

Department of Commerce

Portfolio Management Session

Two industry experts from Angel One Limited demystified stocks, mutual funds, and wealth management for 340 commerce students – turning theory into tangible career vision.

The Department of Commerce hosted Mr. Manjunath Gowda and Mr. Nagraj (Rohan) Nautiyal – Channel Partners, Angel One Limited – for an expert talk on portfolio management and financial markets. The speakers broke down how diversification

across stocks, mutual funds, and securities reduces risk while improving returns, and walked students through the discipline of financial planning and market analysis.

The interactive session highlighted booming careers in investment management, financial analysis, and wealth advisory – bridging classroom commerce theory with the realities of India's financial markets. Students engaged enthusiastically, asking questions and gaining practical insight into investment decision-making.

Chemistry Department

CHEMISPARK 2025-26

The Chemistry Department of K. J. Somaiya College of Science and Commerce successfully organized “Chemispark 2025”, a competitive event for junior college students, on November 14, 2025. The event was held in the Chemistry laboratory from 3pm to 5pm and featured two main activities: a Poster Making Competition and

a 3D Model Making Competition. The event was graced by our esteemed Vice-Principal Mrs. Jyoti Sawant and Supervisor Mrs. Mary Anurekha madam.

The event aimed to foster creativity, scientific understanding and presentation skills among students. The judging panel was headed by the Chemistry Subject Incharge, Mrs. Sonali Talekar.

Mrs. Sonali Talekar assessed the entries based on creativity, scientific accuracy, explanation and presentation.

The event concluded successfully, providing a vibrant platform for students to engage with the subject of Chemistry outside of the regular classroom setting.

Electronics Exhibition Report

The Department of Electronics of K. J. Somaiya Junior College of Science & Commerce successfully organized an Intra-collegiate Electronics Exhibition on 28 February 2026 in the Electronics Laboratory. Conducted in offline mode, the exhibition provided a dynamic platform for students to showcase innovative electronics projects and working models.

Students participated enthusiastically, presenting projects based on circuits, sensors, and real-life applications of electronics. They confidently explained the concepts, working principles, and practical uses of their models to judges and visitors, reflecting strong conceptual understanding and creativity.

The event was evaluated by Mrs. Sanjyot Patil and Mrs. Savita Deore, who appreciated the students' efforts and innovative ideas. They interacted with participants, offering

constructive feedback and valuable suggestions to enhance both technical understanding and presentation skills.

Winners of the Exhibition:

- **First Prize :** Anti-Sleep Alarm
- **Second Prize :** Smart Plant Monitoring System
- **Third Prize :** 'Automatic Garbage Detection System' and 'Wet and Dry Waste Detector'
- **Consolation Prize :** 'Blind Stick with GPS' and 'Metal Detector'

The exhibition created an engaging learning environment, promoting experiential learning, teamwork, and scientific curiosity. It was a successful initiative that inspired students to explore and innovate in the field of electronics.

Department of English

The English Club : Elysian And Upstage

The Department of English (Junior College), K J Somaiya College of Science & Commerce, organized literary events under the banner of "Elysian" and "Upstage" to foster creativity, confidence, and holistic development among students.

Elysian events are designed to create a positive, enriching experience for students, focusing on language, literature, and personal growth. These events include guidance lectures, seminars, and workshops that help students develop essential skills in communication, critical thinking, and teamwork.

The competitions named "Narrate the

Experience" and "Film Review Writing" were conducted this Year under Elysian.

Upstage is a platform for students to showcase their theatrical talents, including acting, public speaking, and stage presence. The Upstage Character Play competition encourages students to interpret characters, develop expressive abilities, and build confidence in performance.

The Competitions named "Elocution Competition" and "Character Play" were organised this year under Upstage.

List of Winners :

1. Ilza Mohammad Javed Khan (XI D)
2. Sakshi Chaturvedi (XI I)

3. Sagar Gautam (XI D)
4. Rishi Singh (XI)
5. Drishti Manglani (XI I)
6. Adhita Chaturvedi (XI D)

Mrs. Deepa Ganatra Madam Subject-In-Charge Geology evaluated the Elocution Competition, focusing on clarity, confidence, and expression.

List of Winners :

1. Nida Khan (XI I)
2. Niharika Pandey (XI J)

3. Adhita Chaturvedi (XI D)
4. Diya Nayar (XI D)
5. Petunia Koriya (XI D)
6. Aditi Yadav (XI J)

Mr. Rohildas A. Kubal Sir Subject -In-Charge Physics Dept. judged the Upstage Character Play event assessing confidence, expressions, and creativity. He also evaluated the participants' confidence, expressions, and creativity.

Department of Geology

Under the activities conducted by departments, Dept. of Geology conducted Rock G event with two competitions and an exhibition on 11th November in Geology lab and seminar hall in the college. The registration of 29 students were made and 22 of them participated in Poster making Competition. Topics related to Geology and Environment were given forehand and students participated very enthusiastically. The posters were exhibited in Geology lab and the event was inaugurated by Vice Principal and Supervisor of the Jr. College. Expert and eminent teachers of Jr. college were invited to judge the posters and grace the occasion. Certificates for participation

and prizes to winners were given away o motivate the students.

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

There were spot prizes given for Quiz held in seminar hall on the 3rd December 2025 and again students participated in large numbers and teachers also marked their presence.

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

HSC Vocational (MCVC) Industrial Visit Report

Aims and objectives : Ice cream manufacturing factory to show the manufacturing process to students.

Name of the company : Rabari Ice cream Factory, Airoli

Date and Time of the visit: 11am on 2th January 2026.

Purpose of the visit : To study the physical manufacturing process in relation with the accountancy subject.

Observation : Students observed the

manufacturing of varieties of ice creams and kulfies.

Conclusion : During the Visit, students could see detailed manufacturing and packaging process of Ice cream from resource person, could co-relate with the theoretical knowledge given in the classroom. The visit was found to be very effective and informative.

Number of students : 64.

Number of teachers accompanying : 03.

हिंदी विभाग

क. जे. सोमैया विज्ञान एवं वाणिज्य कनिष्ठ महाविद्यालय के हिंदी विभाग द्वारा हर वर्ष नई नई प्रतियोगिताओं का एवं समारोह का आयोजन किया जाता है। उसी तरह इस वर्ष भी २०२५-२०२६ में विविध प्रतियोगिता का आयोजन किया गया था।

दिनांक २५-०७-२०२५ को हिंदी के महान लेखक 'प्रेमचंदजी के कहानियों की समीक्षा' इस प्रतियोगिता का आयोजन किया गया था। इस प्रतियोगिता में कक्षा १२वीं के विद्यार्थियों ने सहभाग लेकर पुरस्कार प्राप्त किया।

दिनांक १९-०९-२०२५ को हिंदी दिवस के अवसर पर 'हिंदी पखवाड़ा' कार्यक्रम संपन्न हुआ। इस कार्यक्रम में नृत्य, संगीत, गायन, पपेट शो, पहेलियां, नुक्कड़ नाटक तथा हिंदी साहित्य के महान लेखक एवं साहित्यकारों के जीवन परत रह-तरह के भाषण कक्षा ११वीं एवं १२वीं के विद्यार्थियों ने प्रस्तुत किए।

दिनांक १७-११-२०२५ को काव्यपठन प्रतियोगिता का आयोजन किया गया था। प्रतियोगिताका विषय 'समय था'। इस प्रतियोगिता में कक्षा ११वीं एवं १२वीं के विद्यार्थियों ने सहभाग लेकर मंच पर अपनी प्रतिभा का प्रस्तुतीकरण किया।

इस प्रतियोगितामें कुल मिलाकर ३० विद्यार्थियों ने सहभाग लिया था। निर्णायकों ने अत्यंत कुशलतापूर्वक ८ विद्यार्थियों का चयन करके उन्हें पुरस्कृत किया।

हिंदी विभाग की ओर से २२-११-२०२५ को निबंध लेखन प्रतियोगिताका आयोजन किया गया था। इस प्रतियोगिता में कक्षा ११वीं और १२वीं के विद्यार्थियों ने अलग-अलग विषयों के निबंध पर अपने विचार लिखित स्वरूप में प्रस्तुत किए।

दिनांक को एक १५-११-२०२५ को हिंदी विभागद्वारा 'स्वरचित कहानी लेखन' प्रतियोगिताका आयोजन किया गया था। इस प्रतियोगिता में ३ विद्यार्थियों को पारितोषिक मिला।

दिनांक १२-१२-२०२५ को कक्षा ११वीं एवं १२वीं के विद्यार्थियों के लिए 'हिंदी राष्ट्रभाषा' इस विषय पर 'पोस्टर मेकिंग प्रतियोगिता' का आयोजन किया गया था। इस प्रतियोगिता में कुल मिलाकर २५ विद्यार्थियों ने सहभाग लिया। इस प्रतियोगितामें ५ विद्यार्थियों को पारितोषिक मिला।

IAPT Olympiad NSE Examination November 2025

Date: 24/11/2025

The IAPT Olympiad NSE Examination-2025 was successfully conducted by the Junior College Olympiad Examination Committee on 22nd and 23rd November 2025. The examination was held smoothly and all required documents, OMR sheets, attendance records, and seating plans were

submitted to the IAPT Test Representative as per guidelines.

Relevant photographs, videos, and examination reports were also submitted to the IAPT Exam Cell. The Convener thanked the Principal, Vice-Principal, staff members, committee members, and support staff for their cooperation in the successful conduct of the examination.

मराठी विभाग

क. जे. सोमैया विज्ञान व वाणिज्य महाविद्यालयाच्या मराठी विभागातर्फे दरवर्षी विविध स्पर्धांचे आयोजन करण्यात येते. २०२५-२६ यावर्षी 'पुस्तक परीक्षण स्पर्धा', 'काव्य वाचन स्पर्धा', 'अनुवाद लेखन स्पर्धा', 'निबंध लेखन स्पर्धा' 'वक्तृत्व स्पर्धा' अशा स्पर्धांचे आयोजन करण्यात आले होते.

डॉ. ए. पी. जे. अब्दुल कलाम यांच्या स्मृतीप्रित्यर्थ मराठी विभागाने अभिवाचनाच्या कार्यक्रमाचे आयोजन दिनांक १६ ऑक्टोबर २०२५ रोजी केले होते. या स्पर्धेत नामवंत साहित्यिकांच्या उत्तम साहित्यकृतींचे वाचन विद्यार्थ्यांनी केले. दिनांक १२ डिसेंबर २०२५ रोजी निबंध लेखन व अनुवाद लेखन या स्पर्धांचे आयोजन करण्यात आले होते.

दिनांक १९ डिसेंबर २०२५ रोजी काव्यवाचन स्पर्धेचे व पुस्तक परीक्षण स्पर्धेचे आयोजन करण्यात आले होते. काव्यवाचन स्पर्धेत प्रसिद्ध कवींच्या कवितांचे सादरीकरण विद्यार्थ्यांनी केले व पुस्तक परीक्षण स्पर्धेत उत्तम साहित्यकृतींचे परीक्षण केले.

विद्यार्थ्यांना व्यासपीठावरून बोलण्याची संधी मिळावी यासाठीच वक्तृत्व स्पर्धेचेही आयोजन दिनांक १५ डिसेंबर २०२५ रोजी करण्यात आले होते. या स्पर्धेलाही विद्यार्थ्यांचा चांगला प्रतिसाद मिळाला.

Maths Mania 2025-26 – Event Report

Maths Mania 25-26 was successfully conducted on December 10, 2025, at the Seminar Hall of Junior College, KJSSC. The event aimed to foster interest in mathematics and highlight its relevance in academics as well as real-life applications. Students and faculty members actively participated, making the event engaging and impactful. The Vice-Principal Jyoti Sawant extended a warm welcome to the chief guest Dr. Reema Khanna, Dean and Head, Mathematics Department, Degree College.

Various mathematical activities, like Poster Making Competition, Brilliant Brain Competition, Ppt presentation, Fun and games, Poetry recitation were included. The enthusiastic participation of students reflected

the success of the event. Miss Astha Anand Mishra scored 100/100 in Mathematics during H.S.C. exam 2025 was felicitated by Mrs. Suwarna Suryawanshi, Subject In-Charge, Mathematics Department (Junior College), Winners were received trophies, medals, and certificates.

The successful organization of Maths-mania 2025 was made possible through the dedicated efforts of the faculty members and volunteers, each assigned with specific responsibilities. Maths Mania 25-26 was a resounding success, promoting enthusiasm for mathematics and providing a platform for students to showcase their talents.

Orientation Committee Report

The Orientation Program of 11th standard students for the academic year 2025-26 was organized at the Somaiya Engineering Auditorium on 11th Aug 25, to welcome newly admitted students and familiarize them with the academic environment of the college.

The event included two informative sessions delivered by experienced resource persons Mr. Arun Naik, & Dr. Aditi Acharya

who spoke about the psychological aspects of student life.

The orientation program was highly beneficial for the students as it helped them to gain valuable insights into academic life and mental wellness. Overall, the program created a positive start for the students as they begin their journey at the college.

Department of Physics

As per regular practice, the Department of Physics organized two activities under the title PHYSIKOS 2025-26.

- 1) The Department of Physics organized *PHYSIQUEST 2025-26* on 12th November 2025 to promote scientific knowledge

and analytical thinking. Out of 57 participants, 14 finalists were selected and formed into seven teams. The final round, held in the Seminar Hall in the presence of Chief Guest Mrs. Meenu Sharma, Vice-Principal Mrs. Jyoti Sawant and Supervisor Mrs. Mary Anurekha.

2) Additionally, a ***GUIDANCE LECTURE SERIES*** on Physics Board Practical was conducted from 20th to 24th November 2025 for HSC students. Our faculty members guided students on experimental procedures, circuit

diagrams, and observation techniques, helping students enhance their confidence and practical skills.

Both initiatives were successful in supporting students' academic growth.

PTA Report

The SYJC PTA meeting was held on 13 September 2025, with an impressive turnout of 334 parents and FYJC PTA meeting was held on 15 November 2025, with an impressive turnout of 329 parents exemplified their enthusiastic interest in the Junior College's operations and progress. The event commenced with the respective class teachers introducing themselves and extending a warm welcome to the parents. They also provided essential information on the college's general guidelines, rules, and regulations. All committee members of PTA explains the academic plan.

Mrs. Jyoti Sawant, the Vice Principal, and Mrs. Mary Anurekha Ravi, the supervisor addressed the parents, covering crucial topics such as HSC board examination form filling, subject changes, stress management, and the importance of discipline. Class teachers also shared the contact information of our counsellor, Ms. Kshitija Sawant, who is available for students to book appointments and discuss their stress, mental, and psychological.

Seminar and Workshop Committee Report

Seminar and Workshop Committee organised HSC Board Guidance lecture series to guide and help students to overcome their anxiety during the exam and boost their confidence. This series also helped them to gain valuable tips and tricks from the respective subject experts. This series

was organised from 6th November 2025 to 19th November 2025. Total Eleven lectures were conducted. Students found all the lectures very beneficial for their examination.

Tarang Report

The Tarang Committee of K. J. Somaiya Junior College of Science and Commerce organized TARANG Cultural Fest 2025-26 with great enthusiasm, providing a platform for students to showcase their talents and celebrate cultural values. The fest commenced with the Tarang Inauguration and Teachers' Day Celebration on 8 September 2025, followed by a vibrant Garba Celebration on 27 September, where students participated in traditional dance forms with great energy.

In December, a variety of competitions such as Personality Contest, Logo Designing, Sketching, Mehendi, Poster Making, Singing,

T-shirt Painting, Rangoli, Best Out of Waste, Script Writing, Dance, and PPT Presentation were conducted, highlighting students' creativity and skills. The events saw active participation and showcased diverse talents across different fields.

The fest concluded with the Prize Distribution Ceremony on 23 December 2025, recognizing the winners, followed by the Grand Annual Day Celebration on 24 December 2025. The event marked a successful conclusion to the fest, celebrating student achievements and leaving lasting memories for everyone

Department of Biochemistry



Holistic health awareness campaign titled “Transforming Public Health and Wellbeing through Ayurveda



National Ayurveda day



Panel discussion, Industry Academia meet



Yoga Workshop

Department of Botany



Industry visit to Attari Sales Corporation



Participation in exhibition organized by BMC



Seminar on mental health



Seminar on the occasion of World Wetlands day

Department of Chemistry



Workshop on “Safety in chemical laboratories”



Workshop on “Effective resume Writing”



Workshop on “Scientific Writing Essential”



Parent-Teacher Meeting for T.Y.B.Sc. Chemistry



Interactive Session on Industry-Academia Collaboration



Dr. Dave Memorial Lecture



Mass Spectroscopy Approach for Analytical Requirements

Department of Chemistry



Rasayan



Making Eco-Friendly Colours



National Symposium on “Rare Earth Elements and Strategic Minerals Exploration, Processing and Applications”



Mind Mastery Workshop



Hands-on workshop on “Green & Sustainable Chemistry : Tools, Techniques & Metrics”

Department of Commerce



A. D. Shroff Memorial Elocution Competition



FEST - AVSAR



Open day - Commerce



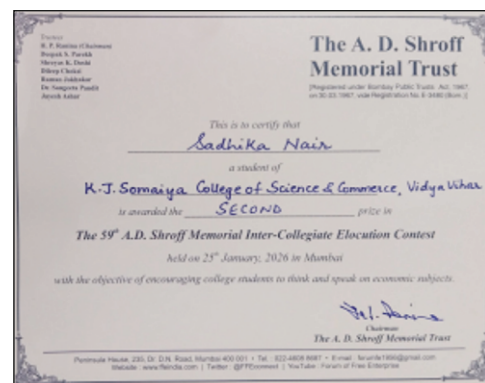
Alumni Mentorship Event



Book publication on Financial Modelling



Trash to Cash Revolution : A Case Study on Upcycling Business Models



Ms. Sadhika Nair is awarded the second prize in the 59th A. D. Shroff Memorial Inter collegiate Elocution contest

Department of Geology



A talk on Hydrocarbon and Oil exploration,
Mr. Ashutosh Shandilya, GM (Geology),ONGC, Mumbai.



Prof. André Droxler and Dr Pankaj Khanna visit



ONYX



Field and Industrial Visit Nagpur (Gumgao mine, IBM mineral processing lab) for SYBsc Geology



Field and Industry Visit in and around Ahmedabad-Ambaji, Gujarat for TY and Msc-I Geology



Field Visit in Sanjay Gandhi National Park (SGNP), Borivali



Geology Department Alumni Meet



National Symposium on Rare Earth elements and Strategic minerals : Exploration, Processing and Applications

Department of Mathematics



Hindi Diwas



Fresher's Mania



Jam Ahead to Success



Pi-Approximation Day



Book Reading by Prof. Chandrashekhhar Khare at Kitab Khana



National Mathematics Day



Mathletics

Department of Microbiology



Annual Departmental Fest – Microscope' 25 : 22nd August 2025



Micro Model Exhibition in collaboration
with Microbiologist Society, India :
11th September, 2025



Skit on Antimicrobial Resistance
Awareness Week : 20th November 2025



Student Corner Activity : Pipe Cleaner Art Workshop : 5th January - 10th January, 2026



Workshop on Sustainable Development Goals: 24th February, 2026

Department of Physics



Night Sky Observation Camp



DSE (Material Science) : Industrial immersion via ICT, Matunga Lab Visits



Light Show – Outreach Event



Visit to TIFR Science Day, 28 February 2026

Department of Statistics



Student Corner



National Statistics Day



Sankhyashastra



Workshop on Advanced Excel



Industrial Visit

Department of Zoology



Seminar on 'Innovation in Aquaculture' on 11th July 2025 in collaboration with Taraporevala Marine Biological Research Station, Bandra



Exploring Nature : A Biodiversity Trail at Somaiya Vidyavihar on July 19, 2025



Mangroove Walk-a one-day visit on July 26, 2025, to Thane Creek in celebration of World Mangrove Day



Guest Lecture -Careers after Zoology, delivered by Dr. Sabhyasachi Sautya, Principal Scientist at CSIR-National Institute of Oceanography, Mumbai.



One-day institutional visit to ICAR-CIFE, Versova, Mumbai on 21st November 2025



Zorilla-Inauguration Ceremony - Annual intercollegiate fest ZORILLA 2025-26 on 08.12.2025 at K. J. Somaiya College of Science and Commerce with the theme "Coast Community Conservation."



International Conference in Biological Sciences on "Coast, Community and Conservation" on 17.01.2025, sponsored by the Mangrove and Marine Biodiversity Conservation Foundation of Maharashtra



Annual Long Excursion to Jim Corbett National Park, Uttarakhand from 20.01.26 to 27.01.26

Junior College



Maths Mania - Brilliant Brain Competition



Maths Mania – Power Point Presentation



English - Elocution Competition



English – Character Play



Tarang – Fashion Show



Tarang – Dance Competition



Physikos : Physics Department



Physikos : Physics Department

Junior College



Chemispark – Poster Making



Chemispark – 3d Model Making



पुस्तक अभिवाचन – मराठी विभाग



निबंधलेखन स्पर्धा – मराठी विभाग



हिंदी दिवस – हिंदी विभाग



कहानी समीक्षा – हिंदी विभाग



Industrial Visit : MCVC



Electronics Exhibition

Junior College



Awards & Rewards Committee



Rock - G (Geology Dept – Jr College)



Orientation of FYJC Students



Biobloom Rangoli

Junior College



Seminar & Workshop Committee



Sport's Day



Sport's Day



PTA Committee



PTA Committee

Degree Certificate Distribution Ceremony





Committee Reports



Alumni Committee Report

Alumni Association Activities :

The Alumni Association of K. J. Somaiya College of Science and Commerce had an eventful and inspiring academic year 2025–26, marked by vibrant interactions, institutional support, and meaningful engagement with former students.

A major highlight of the year was the grand Alumni Reunion held on 2nd August 2025 at 5:00 p.m. at Smt. Sakarben Karamshi Somaiya Sabhagruha, Vidyavihar (East). On this occasion, in collaboration with IDEAS Entertainment and MASKS, the Alumni Association organized a fundraising event titled *“Mazak Mazak Mein.”* The program witnessed enthusiastic participation from alumni, faculty members, students, and well-wishers.

The event aimed to raise funds for alumni engagement initiatives while strengthening bonds between former and current members of the institution. The evening’s highlight was a stand-up comedy performance by alumnus Mr. Vishnu Mehra, known for his clean and family-friendly humor. His witty reflections on student life, career journeys, and Indian culture entertained audiences of all ages and evoked nostalgia among the alumni.

A significant moment during the reunion was the felicitation of Mrs. Sushila Kotwal, an esteemed alumna of the college (B.Sc. 1970 and M.Sc. 1972) and former faculty member of the Department of Chemistry. Mrs. Kotwal generously donated 50 lakh to the Alumni Association for the enhancement of facilities in the Chemistry Department. The Association expressed its heartfelt gratitude and recognized her remarkable contribution during the reunion programme.

The 10th Annual General Body Meeting (AGM) of the Alumni Association was held on Saturday, 20th September 2025, at 2:00 p.m. in the Seminar Hall of the college. The Secretary, Mr. Vishwanath Mannadiar, presented a report on the activities conducted during the year 2024–25. The audited accounts for the financial year 2024–25 were presented, discussed, and approved by the members. The meeting also focused on planning future initiatives and

strategies to further strengthen the Alumni Association.

The Association continued its academic outreach through the ongoing lecture series, *“Enriching Expressions.”* A session on “AI and Communication Automation in the Education Industry” was conducted on 4th October 2025 by Mr. Ankit Tanwar, AVP – Sales (West Region), VIH Metaverse Pvt. Ltd. The lecture highlighted the transformative role of Artificial Intelligence and communication automation in the education sector, providing valuable insights into emerging technological trends.

Another significant lecture under the same series was organized in collaboration with the Department of Chemistry on “Introduction to Intellectual Property Rights (IPR)” on 9th September 2025. The session, attended by 71 students, was delivered by Dr. Shah and focused on the importance of Intellectual Property Rights in Chemistry, particularly in research, innovation, entrepreneurship, and career development.

An Interactive Session on Industry–Academia Collaboration was organized jointly by the Department of Chemistry and the Alumni Association on 4th October 2025. Distinguished industry experts, including Mr. Amit Ghag (CMD, Novapure Health Care Pvt. Ltd.), Dr. Rikhil Shah (Lead Analyst – IPR, Avient Corporation), Mr. Sudesh Adkar (Senior QA, Merck Life Sciences), and Mr. Subodh Chawan (Founder, Scientia Life and Technologies), shared valuable insights on industry expectations and career opportunities.

The discussions emphasized the importance of strong subject knowledge, integrity, problem-solving abilities, communication skills, industry exposure, and a sound understanding of fundamental concepts. The experts also recommended curriculum enhancements, certificate programmes, internships, and industry-oriented training initiatives to better align academic learning with industry requirements.

In conclusion, the academic year 2025–26 proved to be vibrant and productive for the Alumni Association of K. J. Somaiya College of Science and Commerce.

Aavishkar Committee

Activities conducted:

- 1] Title : Orientation session on “Avishkar 2025”

Date : 05/07/2025 to 18/07/2025

The Avishkar committee organized an orientation session on “Avishkar 2025” for UG and PG students from July 5 to July 18, 2025, to acquaint teachers and students with the scope, procedure, and advantages of taking part in Aavishkar. The session was beneficial to 579 students.

- 2] Title : One-day workshop on “Designing a Research Project - Sanshodhanam”

Date : 29/07/2025

To identify and formulate creative research challenges that are in line with the topics of the Avishkar Research Convention, the Avishkar committee arranged a one-day workshop on “Designing a Research Project - Sanshodhanam” for UG and PG students on July 29, 2025. In addition to encouraging critical and creative thinking, the workshop gave 120 participants the fundamental skills in research design, preparing them to launch and present significant research projects.

- 3] Title : One-day workshop on “Art of presentation”

Date : 17/11/2025

The Avishkar Committee organised a one-day workshop on “Art of Presentation” on 17th November 2025 from 11 am to 1 pm, aimed at preparing students for effective participation in the University of Mumbai’s Avishkar Research Convention. The session was conducted by Dr. Parvathi J. R., Coordinator of Research Promotion at SIRAC, who brought her extensive experience and expertise in research communication to guide the participants. 44 students and 12 teacher mentors participated in the workshop.

- 4] Title : “Pre-Convention Research Podium Review”

Date : 24/11/2025

The Avishkar Committee of K. J. Somaiya College of Science and Commerce organized a *Pre-Convention Research Podium Review* on 24th November 2025 from 9:00 a.m. to 1:00 p.m. in the Microbiology Research Lab, KJSSC. The event was conducted with the objective of reviewing the research work of student participants and preparing them for effective presentation at the upcoming Research Convention. The review session was facilitated by experienced mentors, namely Dr. Jacintha George, Mr. Shailesh Singh, Dr. Shital Mehta, Dr. Vandana Jamdar, and Mr. Amit Jethwa, who provided academic guidance and expert insights on 21 research projects.

- 5] Title : One-day workshop on “Research readiness”

Date : 25/11/2025

The Avishkar Committee of K. J. Somaiya College of Science and Commerce organized a one-day Research Readiness Workshop on 25th November 2025 in the Seminar Hall, KJSSC, from 8:15 a.m. to 5:00 p.m., with the objective of reviewing students’ ongoing research projects and enhancing their preparedness for participation in the Research Convention. The event brought together 21 research projects on a common academic platform to engage in reflective discussion and scholarly interaction. Overall, the Research Readiness Workshop proved to be a highly enriching and meaningful learning experience, strengthening the research culture of the institution and preparing students effectively for competitive research platforms.

- 6] Title : One-day workshop on “Honing Presentation skills for Aavishkar 2025-26”

Date : 28/11/2025

The Avishkar Committee of K. J. Somaiya College of Science and Commerce organised a one-day workshop on “Honing Presentation Skills” on 28th November 2025 from 9:00 am to 11:00 am. The session was

conducted by Ms. Krusha Shah, Ph.D. Scholar, Somaiya Institute of Research and Consultancy (SIRAC), Somaiya Vidyavihar. The workshop was specially designed for students preparing to participate in Avishkar 2025-26, with the objective of strengthening their confidence, clarity, and effectiveness in academic and research presentations. 34 students were benefitted from the workshop.

- 7] Title: Certificate of Appreciation for Overall Championship (first rank) in category pure science for academic year 2024-25

Date: 29/11/2025

K J Somaiya College of Science and Commerce awarded Certificate of Appreciation for Overall Championship (first rank) in category pure science at 19th Aavishkar Inter-Collegiate / Institute / Department Research Convention 2024-25 of University of Mumbai for academic year 2024-25.

- 8] Title: "Podium Readiness Drill for Avishkar 2025-26"

Date: 01/12/2025

The "Podium Readiness Drill for Avishkar 2025-26" was organised by the Avishkar Committee of K. J. Somaiya College of Science and Commerce to prepare student researchers for the effective presentation of their projects at the Avishkar Research Convention. The session was conducted on 1st December 2025 from 11:30 am to 1:00 pm at the Microbiology Research Laboratory. The drill was conducted under the guidance of Dr. Rohit Singh Chauhan, Dean – Research, who served as the mentor for the session. The event aimed to simulate a real podium presentation environment, enabling students to gain first-hand experience of presenting their research before experts.

- 9] Title : 20th Aavishkar Inter-Collegiate / Institute / Department Research Convention 2025-26 of University of Mumbai Zone-II

Date : 04/12/2025

K. J. Somaiya College of Science and Commerce, Vidyavihar (Autonomous), hosted the 20th Aavishkar Inter-Collegiate / Institute / Department Research Convention 2025-26 – Zonal Round for Zone II of the University of Mumbai on 4th December 2025. The event was organised under the aegis of the Department of Students' Development, University of Mumbai, with the objective of fostering a strong research culture, encouraging innovation, and nurturing scientific temperament among students and young researchers across disciplines. Zone II of the Convention covered colleges across regions including Sion to Mulund, Sion to Mankhurd, and GTB Nagar to Mankhurd. The event witnessed large-scale participation, reflecting the enthusiasm and research potential of students from diverse academic fields. A total of 298 research projects were presented by 785 students across six categories—Humanities, Commerce and Management, Pure Sciences, Agriculture and Animal Husbandry, Engineering and Technology, and Medicine and Pharmacy—spanning Undergraduate, Postgraduate, and Post-Postgraduate levels. Out of the total presentations, 57 projects were shortlisted for the Podium Round, representing meritorious research contributions across various categories and levels. Subsequently, 36 projects were selected for the Final Round of the Aavishkar Convention, marking a significant academic achievement for the participating students and institutions.

- 10] Title: Selection for Poster Round of Inter-Zone level of Avishkar 2025-26 from K J Somaiya College of Science and Commerce

Date: 04/12/2025

Out of 18 projects from K J Somaiya College of Science and Commerce 6 Projects got selected for Poster Round of Inter-Zone level.

Sr. No.	Title	Category	Level	Department	Names of the Students	Name of the Mentor
1	Formulation of a Non-Dairy Probiotic Beverage infused with LAB indigenous to Idli Batter	3	UG	Microbiology	1] Ms. Chaudhary Pushpha Sitaram 2] Ms. Pansare Srushti Machhindra	Ms. Tarannoom Khan
2	The Game Matrix	3	UG	Mathematics	1] Ms. Chudasama Leesha Govind 2] Mr. Gandhi Yug Satish	Mr. Subhash Krishnan
3	Synthesis and Biological Evaluation of Pyrazolonean-chored 1,2,3-Triazoles	3	PPG	Chemistry	Ms. Mascarenhas Cheryl Trevor	Dr. Pradnya Prabhu
4	Magnetic Finger printing of Continental Shelf Sediments for mapping Potential Resources	3	PG	Geology	Mr. Parmar Austin Ashwin	Dr. Mayashri Rajkakati
5	Bagasse Ash Seed Ball for Green Urban Future	4	UG	Geology	1] Ms. Gurav Tanvi Ramchandra 2] Ms. Chathanath Lina Shankar 3] Ms. Talwadkar Rujavita Nandkumar 4] Ms. Yadav Ankita Hanuman	Dr. Jyoti Sharma
6	Development of Biodegradable Pots using Banana Peels for Sustainable Agriculture	4	PG	Biochemistry	1] Ms. Badgude Siddhi Maruti 2] Ms. Kokate Vaishali Sanjay 3] Ms. Kamble Shreya Yogesh 4] Ms. Koyikattu-chira Angel Martin	Ms. Saeema Khan

11] Title : Fine-Tuning Research Posters Workshop

Date : 11/12/2025

The Avishkar Committee of K. J. Somaiya College of Science & Commerce organized a workshop titled "Fine Tuning

Research Posters" on 11th December 2025 in the Board Room, KJSSC, from 4:30 pm to 6:30 pm. The session was conducted by Dr. Parvathi J. R., Assistant Director, SIRAC, Somaiya Vidyavihar, and was specially arranged for the student research teams whose projects had been selected for the

final poster competition of Avishkar 2025-26. The workshop aimed to provide students with an opportunity to refine and strengthen their posters by integrating suggestions received during the earlier selection round and by seeking guidance from an expert reviewer. 6 Posters were reviewed during the session.

- 12] Title: Certificate of Appreciation for hosting zonal round II

Date: 15/12/2025

K. J. Somaiya College of Science and Commerce received certificate of appreciation for successfully hosting 20th Aavishkar Inter-Collegiate / Institute / Department Research Convention 2025-26 of University of Mumbai Zone-II on 15th December 2025 at inaugural function of Final Poster Round of Avishkar 2025-26 at Lala Lajpat Rai College of Commerce and Economics.

- 13] Title : Pre-final Poster Rehearsal

Date: 15/12/2025

The Avishkar Committee of K. J. Somaiya College of Science & Commerce organized a

Pre-Final Poster Rehearsal Session for the student research teams selected for the Avishkar 2025-26 final poster competition. This session was conducted on 15th December 2025 as a follow-up activity to the earlier poster refinement workshop, with the objective of providing participants an opportunity to rehearse their presentations in a simulated competition environment and to ensure their final readiness for the poster round. During the session, each student or research group presented their poster before Dr. Lolly Jain, Convenor, Avishkar Committee and Dr. Trupti Rane, Co-convenor, Avishkar Committee, following the same format and time constraints expected in the final competition.

- 14] Title : Selection for Final Podium Round of Inter-Zone level of Avishkar 2025-26 from K J Somaiya College of Science and Commerce

Date : 16/12/2025

Out of 6 projects from K J Somaiya College of Science and Commerce 5 Projects got selected for Final Podium Round of Inter-Zone level.

Sr. No.	Title	Category	Level	Department	Names of the Students	Name of the Mentor
1	The Game Matrix	3	UG	Mathematics	1] Ms. Chudasama Leesha Govind 2] Mr. Gandhi Yug Satish	Mr. Subhash Krishnan
2	Synthesis and Biological Evaluation of Pyrazolonea chored 1,2,3-Triazoles	3	PPG	Chemistry	Ms. Mascarenhas Cheryl Trevor	Dr. Pradnya Prabhu
3	Magnetic Finger printing of Continental Shelf Sediments for mapping Potential Resources	3	PG	Geology	Mr. Parmar Austin Ashwin	Dr. Mayashri Rajkakati

4	Bagasse Ash Seed Ball for Green Urban Future	4	UG	Geology	1] Ms. Gurav Tanvi Ramchandra 2] Ms. Chathanath Lina Shankar 3] Ms. Talwadkar Rujavita Nandkumar 4] Ms. Yadav Ankita Hanuman	Dr. Jyoti Sharma
5	Development of Biodegradable Pots using Banana Peels for Sustainable Agriculture	4	PG	Biochemistry	1] Ms. Badgude Siddhi Maruti 2] Ms. Kokate Vaishali Sanjay 3] Ms. Kamble Shreya Yogesh 4] Ms. Koyikattu-chira Angel Martin	Ms. Saeema Khan

15] Title: Pre-final Podium Rehearsal

Date: 18/12/2025

The Avishkar Committee of K. J. Somaiya College of Science and Commerce organised a "Pre-Final Podium Rehearsal" for the research projects shortlisted for the final round of Avishkar 2025-26. The workshop was conducted on 18th December 2025 from 1.30 pm to 3.30 pm in Room No. 208, KJSSC, under the guidance and mentorship of Dr. Lolly Jain, Convenor, Avishkar Committee, and Dr. Trupti Rane, Co-convenor, Avishkar Committee. The session was designed as a structured rehearsal platform to help students refine their presentations, improve stage readiness, and receive expert feedback prior to the final competition.

16] Title: Last-Mile Podium Presentation Review

Date: 19/12/2025

The Avishkar Committee of K. J. Somaiya College of Science & Commerce organized a workshop titled "Last-Mile Podium Presentation Review" for the student research teams whose projects

were selected for the Final Podium Round of Avishkar 2025-26. The session was conducted on 19th December 2025 from 4:30 pm to 6:30 pm in the Board Room, KJSSC. The workshop was facilitated by Dr. Parvathi J. R., Assistant Director – SIRAC, Somaiya Vidyavihar, and Ms. Krusha Shah, PhD Scholar – SIRAC, Somaiya Vidyavihar.

The workshop served as an advanced preparatory platform aimed at refining the PowerPoint presentations, content structure, and delivery style of the shortlisted podium finalists. The session began with an orientation on the expectations of the Avishkar Final Round, highlighting key aspects such as clarity of research articulation, logical sequencing of slides, visual representation of data, and time-bound presentation strategies.

17] Title: Selection for State level of Avishkar 2025-26 from K J Somaiya College of Science and Commerce

Date: 20/12/2025 and 24/12/2024

Out of 5 projects from K J Somaiya College of Science and Commerce 4 Projects got selected for State level of Avishkar 2025-26.

Sr. No.	Title	Category	Level	Department	Names of the Students	Name of the Mentor	Award
1	The Game Matrix	3	UG	Mathematics	1] Ms. Chudasama Leesha Govind 2] Mr. Gandhi Yug Satish	Mr. Subhash Krishnan	Consolation Prize
2	Synthesis and Biological Evaluation of Pyrazolonean-chored 1,2,3-Triazoles	3	PPG	Chemistry	Ms. Mascarenhas Cheryl Trevor	Dr. Pradnya Prabhu	Gold Medal
3	Magnetic Finger printing of Continental Shelf Sediments for mapping Potential Resources	3	PG	Geology	Mr. Parmar Austin Ashwin	Dr. Mayashri Rajkakati	Gold Medal
4	Bagasse Ash Seed Ball for Green Urban Future	4	UG	Geology	1] Ms. Gurav Tanvi Ramchandra 2] Ms. Chathanath Lina Shankar 3] Ms. Talwadkar Rujavita Nandkumar 4] Ms. Yadav Ankita Hanuman	Dr. Jyoti Sharma	Bronze Medal
5	Development of Biodegradable Pots using Banana Peels for Sustainable Agriculture	4	PG	Biochemistry	1] Ms. Badgude Siddhi Maruti 2] Ms. Kokate Vaishali Sanjay 3] Ms. Kamble Shreya Yogesh 4] Ms. Koyikattu-chira Angel Martin	Ms. Saeema Khan	Bronze Medal

18] Title : Appreciation by Mr. Samir Somaiya, President of Somaiya Vidyavihar and Chancellor of Somaiya Vidyavihar University

Date : 22/12/2025

Students who presented their research at the State-Level Aavishkar Research Convention 2025-26 were highly appreciated by Mr. Samir Somaiya, President of Somaiya Vidyavihar and Chancellor of Somaiya Vidyavihar University, for their innovative work and strong commitment to research. The ceremony acknowledged the students' hard work, creativity, and scientific temperament demonstrated across diverse disciplines. In his address, he encouraged

the young researchers to continue their pursuit of knowledge with dedication and highlighted the importance of such platforms in nurturing a culture of inquiry, innovation, and academic excellence among students.

19] Title : Selection and Participation for Anveshan: West Zone Student Research Convention 2025-26 from K J Somaiya College of Science and Commerce

Date : 20/01/2025 and 21/01/2025

Out of 5 projects from K J Somaiya College of Science and Commerce 1 Projects got selected for Anveshan: West Zone Student Research Convention 2025-26.

Sr. No.	Title	Category	Level	Department	Names of the Students	Name of the Mentor
1	Magnetic Finger printing of Continental Shelf Sediments for mapping Potential Resources	3	PG	Geology	Mr. Parmar Austin Ashwin	Dr. Mayashri Rajkakati

20] Title: Safalata Praptirastu

Date: 16th January 2026

The Aavishkar Committee of K. J. Somaiya College of Science & Commerce organized a felicitation and best wishes program titled "Safalata Praaptirastu" on 16th January 2026. The event was conducted to extend best wishes and encouragement to the students representing the college at the State Level Aavishkar Research Competition. The program recognized the dedication, creativity, and hard work of the participants and motivated them to excel at the state level. Faculty members appreciated the students' efforts and provided guidance for further success. The event concluded with inspiring words from the convenor and the Principal, boosting the confidence and morale of the students.

21] Title : Aavishkar Field Visit

Date : 20th January 2026

The Aavishkar Committee of K. J. Somaiya College of Science & Commerce organized an inspiring field visit for students whose project has been selected for the State Level Aavishkar Research Convention 2025-26 to interact with Padmashri Rahibai Popere, renowned for her lifelong contribution to sustainable agriculture and seed conservation. She appreciated the students' research work and encouraged them to carry forward the spirit and mission of her work in the agricultural field through scientific research.

22] Title : State Level Aavishkar Research Convention 2025-26 at Parbhani

Date : 28th January to 1st February 2026

Out of 4 projects from K J Somaiya College of Science and Commerce 1 Projects won Gold medal at the State Level Aavishkar Convention 2025-26.

Sr. No.	Title	Category	Level	Department	Names of the Students	Name of the Mentor	Award
1	Magnetic Finger printing of Continental Shelf Sediments for mapping Potential Resources	3	PG	Geology	Mr. Parmar Austin Ashwin	Dr. Mayashri Rajkakati	Gold Medal
2	Synthesis and Biological Evaluation of Pyrazolonean-chored 1,2,3-Triazoles	3	PPG	Chemistry	Ms. Mascarenhas Cheryl Trevor	Dr. Pradnya Prabhu	Participated

3	Bagasse Ash Seed Ball for Green Urban Future	4	UG	Geology	1] Ms. Gurav Tanvi Ramchandra 2] Ms. Chathanath Lina Shankar 3] Ms. Talwadkar Rujavita Nandkumar 4] Ms. Yadav Ankita Hanuman	Dr. Jyoti Sharma	Participated
4	Development of Biodegradable Pots using Banana Peels for Sustainable Agriculture	4	PG	Biochemistry	1] Ms. Badgude Siddhi Maruti 2] Ms. Kokate Vaishali Sanjay 3] Ms. Kamble Shreya Yogesh 4] Ms. Koyikattu-chira Angel Martin	Ms. Saeema Khan	Participated

23] Title : Felicitated by the Honorable Vice-Chancellor Prof. Ravindra Kulkarni, University of Mumbai at the Convocation Hall

Date : 3rd February 2026

Students who presented their research at the State-Level Aavishkar Research Convention 2025-26 were felicitated in a prestigious ceremony held at the Convocation Hall of University of Mumbai on 3rd February 2026. The event was graced by the Honorable Vice-Chancellor, Prof. Ravindra Kulkarni, who personally honored the participants for their outstanding research contributions and dedication. The felicitation ceremony recognized the hard work, innovation, and scientific temperament demonstrated by the students across various disciplines. In his address, the Vice-Chancellor appreciated the efforts of the students and encouraged them to continue pursuing research with passion

and commitment, highlighting the importance of such platforms in nurturing young researchers and promoting a culture of inquiry and excellence in higher education.

24] Title : Safalata Bhushnam

Date : 28th February 2026

The Aavishkar Committee of K. J. Somaiya College of Science & Commerce organized a felicitation ceremony titled "Safalata Bhushanam" on 28th February 2026 at the Board Room, KJSSC, to honor students and their mentors for their outstanding performance at the State Level Aavishkar Research Convention. The ceremony included the felicitation of winners with certificates and concluded with a vote of thanks, leaving participants inspired and reinforcing the importance of research in academic excellence.

Career Guidance and Placement Cell

Members of the Career guidance and placement committee

- Dr. Ketan Jayant Ranade (Convenor)
- Mr. Deepak Jalla

- Ms. Versha Peghwal
- Mr. Amit Dixit
- Mr. Prashant Agare

1. Panel discussion, Industry Academia meet

Title of the event “Smart choices, strong future choosing the right skill path for you”

In a bid to empower students with practical career guidance and to bridge the gap between academia and industry, the Department of Biochemistry and Career Guidance/Placement Cell of K. J. Somaiya College of Science and Commerce (KJSSC), in association with SVKM's Mithibai College and Shri C. B. Patel Research Centre, organized a Panel discussion and Industry Academia Meet. The event was held on 23rd July 2025, from 11:30 a.m. to 2:00 p.m., at the Seminar Hall (1st Floor), KJSSC, and was simultaneously accessible through an online platform, ensuring a hybrid mode of participation. This format allowed wider student and faculty involvement across partner institutions. Five speakers from different industries guided students. Different career opportunities in medical writing, clinical research, Pharmaceutical industry etc. were explained to the students. The session focused on the real-world application of scientific knowledge, the significance of skill enhancement, and the critical role of certifications and industry awareness.

2. Career Festival 2025-2026.

The career guidance and placement cell (KJSSC) in association with IQAC (KJSSC) conducted a career festival on 30th January 2026. A resume building seminar titled “STAR scripting your success” by Dr. Anupama Harshal was organized followed by sharing various career opportunities to the students. She explained the features of the good resume and also made aware of the common mistakes while preparing a resume. In the next session, companies/agencies enlightened students with skill sets needed for the various opportunities in their companies. They also shared the job opportunities to the students. Some of the shortlisted students were interviewed. Many students walked in after their lectures/practicals to speak with the representatives of different companies. The sessions were very interactive and useful.

3. Placement Drives

Several placement drives were conducted throughout the year for the opportunities shared by different companies like TCS, Cognizant, ICICI Bank, UPL Ltd. Etc. Some of our students have been selected through the conducted drives.

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 Coronation Day of Chhatrapati Shivaji Maharaj was celebrated with reverence and enthusiasm on June 6, 2025, to commemorate the historical significance of the Maratha warrior king's coronation. The event aimed to Honor Chhatrapati Shivaji Maharaj's legacy, inspire participants with his ideals of leadership, secularism, and courage, and foster a deeper understanding of his contributions to Indian history.

The celebration commenced promptly at 10:00 AM with a warm welcome and an insightful introduction by the anchors, Ms. Varada Tarambale and Ms. Pallavi Ade. They eloquently elucidated the profound importance of the day, setting a contemplative tone for the proceedings. Following the introduction, in adherence to tradition, the Somaiya Prayer was recited by Mr. Aditya Palande. This was immediately followed by a powerful rendition of “Shiv Garjana” by Mr. Aditya Palande, serving as a heartfelt tribute and expression of respect to Chhatrapati Shivaji Maharaj. The program then transitioned to a series of student presentations. Subsequently, staff

members shared their perspectives on this auspicious occasion.

2] Guru Poornima : 10th July 2024 at 10.00 am

The Guru Poornima celebration was conducted by Marathi Vangmay Mandal with great enthusiasm in the Seminar Hall of KJ Somaiya Science and Commerce College. The event aimed to honor the guiding lights of our lives - our respected teachers and express gratitude for their unwavering dedication.

The program was organized at 10 am in the Seminar Hall which was beautifully decorated with rangoli at the entrance. The event began with Somaiya prayer to invoke blessings of knowledge and wisdom. The Chief Guests Mrs. Chitra Trehan Madam (Dean of Student Welfare) and Mr. Prashant Shah Sir (Head of Statistics department) blessed everyone with their invaluable presence. They enlightened us with their words of wisdom. Honourable Vice principal Dr. Subhash Krishnan Sir and teachers from different Departments attended the program.

The program continued with a series of engaging performance by students including classical dance dedicated to Gurus and a mesmerizing singing performance by the melodious team of Marathi Vangmay Mandal. The previous members of the Marathi Vangmay Mandal also expressed their heartfelt views for their beloved teachers.

3] Inauguration of Cultural forum and Marathi Vangmay mandal: 1st August 2025: 10.00 am

The Inauguration Ceremony of the Cultural Forum (CF) and Marathi Vangmay Mandal (MVM) were held on 1st August 2025 in the Seminar Hall of our college, marking the beginning of a new cultural year. The occasion was graced by Vice Principal Prof. Subhash Krishnan, Dean of Student Welfare Prof. Chitra Trehan, Convenor Dr. Jitendra Pendharkar, along with faculty members and students.

Prof. Chitra Trehan unveiled the curtain for the Cultural Forum, while Prof.

Subhash Krishnan unveiled the curtain for the Marathi Vangmay Mandal.

Anchoring was conducted: Riddhi Purani and Zeus Nazareth handled the formal segments, while Paramjeet Raulo and Laasya Nair hosted the performances with enthusiasm.

The cultural segment began with a devotional Ganesha Vandana, followed by seven vibrant student performances. A standout highlight was the humorous anchoring in the style of *"Daya and Jethalal"*, which brought laughter and cheer to the audience. The celebrations continued in the Seminar Hall with the Cultural Inauguration Event organized by the Marathi Vangmay Mandal, unveiling its cultural fest titled *"Asmita"*, symbolizing identity, expression, and heritage.

4] Alankar: 25th August 2025 9.00 am.

Alankar is group of performers interested in exhibiting their performing arts like singing, dancing, instrumental and vocal music, skit etc. Our students showcased their performing arts and it was appreciated by audience. The program began with campus prayer. Various performing arts like solo singing, solo dance, group dance, Sitar playing, Skit etc were performed by our students. The last performance was Band performance which was enjoyed by all. The program was ended with vote of thanks.

5] Journey of Mr Adesh Bandekar from Raja-Bhai Tower to Eiffel Tower.: 9th September 2025 10.00 am

Mr Adesh Bandekar jee is an Actor, Director, Producer, Ex- President -Shri Siddhivinayak Ganapati Mandir Trust (1917-1923)- [equivalent to State Minister] visited our college on 9th September 2025 to share his life journey. He was welcomed by students on the gate by traditional way. The program started exactly at 10.00 am in the Seminar Hall. He was felicitated by Dean Students Welfare of Somaiya University Mrs Urmi Thakkar and Principal Dr Pradnya Prabhu.

The program was in the form of question answers. In the process he told many incidences happened during various

events. Students asked many questions and he answered all those. The interactions with students were full of humour and information. Everyone enjoyed this event. The event was ended with formal vote of thanks.

Maharashtra times was Media Partner for this event.

6] Garba Event: 27th September 2025. Time: 3.30 pm.

The Garba is traditional event celebrated all over India during Navratri. The Garba was celebrated by our college on Saturday 27th September 2025 at Gargi Plaza from 3.30 pm.

Students and staff from Junior and senior college attended this event with great enthusiasm and colourful dresses. Mr Omkar Bhuwad was DJ and he played traditional songs and students played Garba.

7] Bhondla: 4th October 2025. Time: 10.00 am.

The Bhondla is Maharashtrian cultural event celebrated among ladies during this month (Hasta Nakshatra). Ladies came together and celebrates Bhondla by placing picture or statue of Elephant. They use to sing traditional songs along with traditional dance. Afterwards they share food items. Our college celebrated Bhondla in this traditional way.

8] Arambha and CL Meet for Phoenix by Cultural Forum: 14-15 November 2025

Aarambh 2025 was held on 14th November at Gargi Plaza and marked an energetic beginning to the event season. The program opened with an engaging anchoring segment by "Sheldon and Penny," bringing a fun sitcom twist that instantly caught the crowd's attention.

With Teachers and students of the Cultural forum committee present at garden of KJSCE the event began with a vibrant flashmob, which amped up the excitement, and a heartfelt music band performance that added depth and emotion to the atmosphere. Dean Prof. Chitra Trehan Madam graced the event with her presence

at highlight of the day at banner drop near the KJSSC gate, officially unveiling the theme and drawing cheers from the gathered students.

C L meet :

The CL Meet for phoenix took place on 15th November at 9:45 AM, bringing together leaders from various colleges for a well-structured and interactive briefing. The session began with a reverent prayer, creating a grounded and positive environment for the discussions to follow. This was followed by a clear and concise brochure explanation, ensuring that each CL had a proper understanding of the event flow, responsibilities, and guidelines. The meet also included engaging PR games to build coordination and break the ice among participants.

9] CL Meet for ASMITA by Marathi Vangmay Mandal : 19th November 2025. Time: 9.30 am.

Asmita is an inter collegiate fest organized by Marathi Vangmay Mandal. This year theme was Gen Z- Kala-hangam. CL meet was organized on 19th November 2025 at 9.30 am in the seminar hall. More than 30 college CLs were attended this meet. Students performed dance, group dance, singing and skit based on theme. This helped CLs to understand the theme. Also, brochure was circulated and every rule was explained to CLs.

10] Maharashtrachi Khadya Jatra and Theme reveal : 2nd December 2025. Time: 9.00 am.

The Theme Reveal for the inter-collegiate competition festival Asmita 2025-26, organized under the Marathi Vangmay Mandal of K.J. Somaiya College of Science and Commerce, was conducted with great enthusiasm. The event was held at the college entrance at 9:00 am. The celebration began with an energetic flashmob, which set the tone for the event. Keeping up the excitement, to the beats of traditional drums, with the echoes of Chhatrapati Shivaji Maharaj and the spirit of Asmita, the MVM members unveiled the beautifully handcrafted and meticulously designed theme banner. This year's theme, GenZ

KalaHungam 2.0, was presented to all attendees. Following this, a food festival (Theme Reveal for Asmita and Maharashtrachi Khadya Jatra) featuring traditional Maharashtra delicacies was organized. All the members of the MVM student members set up stalls offering a variety of authentic Maharashtrian dishes, which were enjoyed wholeheartedly by the entire college. Additionally, there were stalls showcasing handmade crochet items, handmade paintings and thrifted cloths.

11] Asmita 17-18-19 December 2025

Asmita is an inter collegiate cultural competition organized by Marathi Vangmay Mandal. This year it was celebrated from 17 to 19th December 2025. On very first day competitions like beat boxing and rapping were conducted. On 18th December competitions like singing, instrumental, Rangoli, poster, storytelling were conducted. On 19th December students celebrated Granth Dindi procession from our college to Engineering auditorium. The competitions like instrumental (duo), solo dance and group dance were conducted. Mr Kamal Kishor Bandil was Judge and chief guest. The Ruia college wins best college trophy.

12] Phoenix- 18-19 December 2025

Phoenix is intercollegiate cultural competition organized by Cultural forum of our college. Various colleges took active part in it. It was organized on 18 and 19th December 2025. On first day solo dance and group dance was conducted in the engineering auditorium. Competitions like courtroom, face painting, jam, poetry writing, relay writing etc also conducted on 18th December. Also, PR rally was conducted in the campus. On second day various competitions like business pitch, chess, solo and duet singing was conducted. The best college trophy was won by Patkar college, Goregaon.

13] Surabhi- 20-22 December 2025

Surabhi is intra collegiate cultural competition conducted by Cultural forum on 20 and 22nd December 2025. It is organized for giving platform to our college students.

Various competitions like Mehendi, doodling, mask making, debate, solo and group singing, solo and group dance etc were organized. Winners received medals and certificate during annual day. Also, winners were promoted to perform in the annual day.

14] Annual Day- 24th December 2025

College Annual day was celebrated on 24th December 2025 from 9.00 am to 1.00 pm in the Engineering Auditorium. The college day was begun with Campus prayer sung by Mr Om Ekbote followed by Welcome address by Principal Dr Pradnya Prabhu. The performances started with Ganesh Vandana by Ms Gaurangi Kharkar which was solo kathak dance. There were many solo and group dance performances by students. In between encomium awards were also given. It started with our beloved principal Dr.PradnyaPrbhu who received "Adhunik Savitri Puraskar" Avishkar finalist, Best player, College Cricket TEAM of teachers and non-teaching staff, and Best girl student, Best overall students were also felicitated.

Surabhi awards were also given. Mr and Ms Surabhi awards were given to Mr Bibhas Waghmare and Ms Kasak Jaiswal. The Annual day was ended with wonderful band performance.

15] Marathi Bhasha Sanvardhan Pandhravda : 14th January to 28th January 2026

i] Kavya Kathan and Laghu Katha Kathan:

Poetry and stories are the major contributors in the literature of any language and is very famous among youth. The event was organized to give platform to young poets and story tellers of our college. Sixteen students recite their poems and short stories and is well appreciated by all. Some staff also recited poems composed by them or liked by them. The program begins with campus prayer. The importance of poetry and also translated poems were explained by convener Dr Jitendra Pendharkar. He recited his poem composed in two meters. Sakshi, Kriti, Sanket. Mahimi, Vaishnavi, Pallavi, Mayur, Minal etc recited poems. Teachers like Dr Rucha Naik and Dr

Ajiy Katdare recited poem liked by them. Mayur Madhav gave vote of thanks.

ii] Grantha Pradarshan:

Books reading is very important act in learning literature and in general in any field. In digital world where students are tends to read very brief information it is very important to encourage them to go to library for reading good books. The Marathi book exhibition was arranged in our college Library on 19th January 2026. Many students turned to Library and found reading books.

iii] Vigyan Katha- Ek Akalan :

The discussion on science fiction stories was kept for students on 27th January 2026 by our college in collaboration with K J Somaiya School of Languages and Literature and Granthali.

The renowned writer Mr Subodh Javdekar was interviewed by Dr Latika Bhanushali.

The event started with Prayer. The introductory talk was given by Dr Jitendra Pendharkar. He also introduced the guest speaker and interviewer. Both were honored by gifts and token of appreciation by Director Dr Veena Sanekar. Dr Veena Sankar also briefly explained benefits and need of science fiction stories. Later Dr. Latika Bhanushali interviewed Mr. Subodh Javdekar. He gave emphasis on considering science fiction as a part of literature more than science and there is need to consider the effect to technology on society and on human relationships in general. There was question answer session between speaker and students. The vent was ended by vote of thanks.

16] Marathi Bhasha Gaurav Din : 25th February 2026

Like every year, Marathi Bhasha Gaurav Din, was celebrated this year as well by K. J. Somaiya College of Science and Commerce. However, this year it was celebrated on a much larger scale.

All the institutions of Somaiya Vidyavihar campus and Somaiya Vidyavihar University participated in the celebration. Students, teachers, as well as non-teaching staff took part in the event. At the beginning of the program, the Vice-Chancellor and the Registrar of Somaiya Vidyavihar University shared their thoughts and extended their wishes on the occasion of Marathi Bhasha Gaurav Din.

Various traditional art forms were presented, such as Powada, Farmers' Dance, Mangalagaur, Tarpa Dance, Gaulaan, Bharud, Lavani, Koli Dance, and Gondhal. At the end of the program, the students performed a symbolic "Palkhi" dance, and the entire audience was mesmerized while chanting in praise of Lord Vitthal. After the conclusion of the event, refreshments along with tea and coffee were served to everyone.

17] Bharat Ratna Dr Babasaheb Ambedkar Jayanti. 15th April 2026

To honour 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 program commenced at 9:30 am in the Seminar Hall and witnessed the presence of teaching and non-teaching staff members.

As part of the celebration, a book display was arranged in the gallery area, showcasing literature on Dr. Babasaheb Ambedkar's life and work, aimed at spreading awareness and drawing inspiration from his remarkable journey. The event concluded with a vote of thanks and a renewed sense of admiration for one of India's greatest social reformers.

Cube Report

CUBE (Collaboratively Understanding Biology Education) program was started, in the summer of 2012, at the Homi Bhabha Centre for Science Education (HBCSE), Tata Institute of Fundamental Research (TIFR). CUBE is a project- based science education program and is designed to cultivate a scientific attitude in students through a collaborative and conversational learning environment. This ideology of CUBE was introduced in our college in 2020-21. CUBE projects revolve around simple model organisms that can be found easily and anywhere. These projects act as basic entry points to involve and engage students in interesting scientific endeavours.

In the academic year 2025-26, total of 08 projects was carried by students of UG and PG viz. Biofloc Cultivation and Its Role in Sustainable Fish Culture; Qualitative Detection of Micro-plastics in the Gastrointestinal Tract and Muscle of Bombay Duck (*Harpodon nehereus*); Formulation of Fish Feed from Duckweed and Evaluation of Its Acceptance in Fish; Efficient Culture of *Daphnia*, *Ostracods* and *Attheyella*; Utilisation of Fish scale for feed production; Insecticidal Properties of Sorgham Sprouts- A Sustainable Pest Control Approach. Regular meetings were

held where students were motivated for scientific research and curiosity-driven exploration and were helped with research design, experimental set up and analysis. Hands on activity titled “Tiny Life, Big Picture – Exploring Life in Water” was conducted as a learning experience to help students explore microscopic aquatic life, particularly plankton. The main objective of the activity was to introduce students to the fascinating world of plankton and highlight their ecological importance in aquatic ecosystems. As a hands-on activity, it enabled students to directly engage with scientific tools and techniques rather than relying solely on theoretical explanations. This practical exposure helped them better understand the significance of plankton as primary producers and as the foundation of aquatic food chains.

Through the CUBE Committee, students have developed a scientific mindset by taking part in discussions that build curiosity and critical thinking. By working on projects and activities together, they have learned to ask questions, think logically, and rely on evidence, which are important for scientific understanding.

Diksharambha Committee Report

The three-day induction programme “SWAGATAM” was organized by the Diksharambha committee on 30th June, 1st and 2nd July 25 to welcome and orient the first-year B.Com and B.Sc students for the academic year 2025–2026 at K. J. Somaiya College of Science and Commerce, Mumbai. The programme was thoughtfully designed to introduce students to the college’s culture, academic structure, various departments, and support systems, thereby ensuring a smooth transition into college life.

Day 1 : 30th June 2025

The induction programme began with by a Welcome Address by Principal madam followed by IQAC, sports, code of conduct and Mentor mentee. The highlight of the day was a motivational talk entitled “Acclimatize, Adapt and Aspire” by renowned psychiatrist Dr. Harish Shetty, who inspired students to embrace the new phase of life with courage, confidence, and enthusias

Day 2 : 1st July 2025

Day two featured a rotational orientation in different classrooms, introducing students to key departments and student bodies. Sessions included: NCC by Lt. Rohini Kasbe, NSS by Mr. Prabhat Upadhyay, DLLE by Dr. Amol Pawar, Innovation and Incubation Cell (IIC) by Dr. Smita Paranjape, Exam Cell by Dr. Geeta Nair, Cultural Forum by Dr. Kanika Pahwa.

Students also attended their Department Interaction & Career Guidance sessions.

Day 3 : 2nd July 2025

The final day emphasized personal well-being and student welfare. Students participated in interactive sessions on: Yoga and Meditation by Dr. Umashankar Kaushik, Environment Awareness by Dr. Rucha Naik, Nutritional Values by Dr. Ravikumar Singh. This was followed by a session introducing NPTEL (National Programme on Technology Enhanced Learning) by Ms. Medhavini Khare and Mrs. Sudha Agrawal, which encouraged students to leverage online learning resources for skill development.

Dr. Lolly Jain conducted a detailed session covering the roles of the Students' Council, Grievance Cell, Internal Complaint Committee, and Anti-Ragging Cell, reinforcing the college's commitment to a safe and inclusive environment. Students were also taken for their Gymkhana and

Library orientation, concluding their familiarization with campus infrastructure.

Number of beneficiaries -

F.Y.B.Sc.: Day 1-207; Day 2-219; Day 3-186

F.Y.B.Com: Day 1-226; Day 2-166 ; Day 3-134

The postgraduate induction programme "SWAGATAM" was conducted by the Diksharambha committee on 7th July 2025 in the Seminar Hall of K. J. Somaiya College of Science and Commerce to welcome the new batch of M.Sc students for the academic year 2025-2026. The programme was designed to offer to the students, a comprehensive orientation to the academic, research, and professional ecosystem of the college.

An introductory session "About the College" gave students an overview of the institution's heritage, infrastructure, academic achievements, and student-centric policies.

Students were then oriented about various essential academic pathways, starting with a session on NET/SET followed by sessions on the National Education Policy (NEP) Guidelines, research opportunities, exam cell, NPTEL, IIC and code of conduct.

The programme concluded with a Vote of Thanks, acknowledging the presence of all dignitaries, speakers, coordinators, and students.

Environment Awareness Committee Report

Introduction

The Environment Awareness Committee for the academic year 2025-26 worked towards fostering environmental consciousness, sustainable practices, and scientific engagement among students and faculty. Through well-planned activities such as workshops, field visits, and research-based initiatives, the committee

provided hands-on learning opportunities and encouraged active student participation.

Key Activities and Initiatives

One of the major initiatives was a Workshop on Natural Cleaning Products and Seed Ball Making conducted in collaboration with the Department of Botany. Participants prepared eco-friendly cleaning alternatives and seed balls for promoting native plant growth.

Another important activity was the Ecotrail Visit to the Tetavli Afforestation Project, where students learned about ecosystem restoration, water conservation techniques, and biodiversity.

AQI Measurement on Somaiya Campus

A key highlight was the Air Quality Index (AQI) Measurement Activity conducted within the campus. Students used portable devices to measure AQI at different locations and analyzed pollutants such as PM2.5 and PM10.

The AQI study was extended into a student research project on Environmental Assessment of Somaiya Vidyavihar Campus (AQI & CO Analysis), which was presented at a social action showcase.

Campus and Community Engagement: The committee organized a Campus Roadshow during Mumbai Climate Week 2026 featuring discussions on sustainable food choices and climate impact.

Institutional Sustainability Efforts

The committee contributed to the AASHE STARS Initiative, focusing on sustainability assessment, SDG mapping, and institutional planning.

Training and Achievements

Faculty and students participated in Climate Skills training by the British Council and other environmental workshops, enhancing their knowledge and engagement.

Conclusion

The committee successfully promoted environmental awareness through practical activities, research, and community engagement. The AQI monitoring and sustainability initiatives helped develop responsible and environmentally conscious students.

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. 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.

This year following government orders, multiple times, students were informed and encouraged to avail the scholarship they are eligible for.

Also following UGC instructions necessary preparation has been done and further orders are awaited.

Dr. Anshul Gupta
Convener

Innovation Incubation Cell

1. The Institution's Innovation Council (IIC) officially kicked off the E-Cell activities for the academic year 2025-26 with a high-energy inaugural ceremony. The event marked the beginning of a year dedicated to grassroots innovation and local entrepreneurship.

Key Highlights

- **Inaugural Address :** The Dean of Research delivered an inspiring keynote speech, emphasizing the critical role of academic research in building scalable startups. The Dean encouraged students to look at the city of Mumbai not just as a location, but as a living laboratory for innovation.
- **Theme Launch :** The theme for the year, "Amchi Mumbai," was unveiled. This initiative aims to support student ventures focusing on local logistics, financial tech, and urban sustainability.
- **Recognition Ceremony :** In a gesture of appreciation, Letters of Recommendation were distributed to the outgoing student members of the IIC. These were awarded in recognition of their stellar contribution to the innovation ecosystem during the previous academic cycle.

The event concluded with a roadmap presentation of upcoming hackathons and E-summits, leaving the student body motivated to "Innovate for Mumbai."

2. Seminar : "Innovation and Entrepreneurship in Science and Engineering: Challenges and opportunities" The Institution's Innovation Council, organized an insightful session on "Innovation and Entrepreneurship in Science and Engineering: Challenges and opportunities" on 11th September 2025, from 10:00 AM to 12:00 PM. The session featured by Dr.Hitesh Pawar,Assistant Professor of Energy Biosciences Patent Officer an expert in Intellectual Property as the esteemed resource person. The event was attended by UG & PG students who actively participated and gained valuable knowledge about various aspects of IPR.

The session began with an introduction to the different types of Intellectual Property Rights, including patents, trademarks, copyrights, and semiconductor integrated circuit layout designs. The resource person elaborated on the kinds and nature of IPR, providing clarity on their significance in protecting innovations and creative works. The organizational structure of the Intellectual Property (IP) office was also discussed in detail, highlighting its role in regulating and administering IP laws in India.

Apart from providing theoretical knowledge, the session also delved into the career opportunities available in the field.

Overall, the session proved to be highly informative and engaging, providing students with a comprehensive understanding of Intellectual Property Rights and their applications. The knowledge imparted by speaker was invaluable in helping students grasp the complexities of IPR and its relevance in various fields. The event concluded with an interactive Q&A session, where students actively participated and sought clarifications on different aspects of IPR, making the session a highly enriching experience for all attendees.

3. Workshop : The Institution's Innovation Council (IIC) successfully organized a hands-on workshop titled "Innovation through Observation," led entirely by our dedicated IIC student members. Recognizing that the best solutions start with a deep understanding of the problem, the session focused on the art of situational awareness and empathy.

During the workshop, participants were guided through various observation techniques to help them identify overlooked friction points in everyday life and industry. After documenting these "on-ground" issues, students engaged in brainstorming modules to map out creative, feasible approaches to address them. The interactive format bridged the gap between theoretical knowledge and practical application, empowering attendees to view the world

through an entrepreneurial lens. By the end of the session, several promising preliminary concepts were developed, showcasing a significant boost in the participants' analytical and innovative confidence.

4. Exhibition : 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 is 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 ultimate 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.

5. Shark Tank Somaiya : Pitch Perfect is an exciting platform for students to showcase their innovative business ideas, impress industry experts, and compete for the title of the ultimate entrepreneur. Participants pitch ideas to a panel of judges including investors and receive feedback. It's a journey into business, innovation, and strategy, offering valuable insights and chances to win prizes.

Library Development Committee

Committee Members

Dr. Bright O Philip (Convenor)

Dr. Veena Khilnani

Amol Patwardhan

Mr. Siddharth Nakhwa

Mr. Shubham Tanpathak

Ms. Pooja Matlani

Ms. Poonam Shinde

Mr. Manish Mohadikar (Librarian)

Mrs. Sameera Samant

- Library Timing :
Monday to Friday - 7:00AM to 6:00PM
Saturday - 7:00AM to 4:30PM
- Library Collection: Approx. 61256 books
- Every Year approx. 800 to 900 books are added to the library.
- Every year 25+ journals are subscribed. And total 2108 bound journals are available in the library.
- Library is fully automated. Bookworm software is used for automation.
- KIOSK system

Action plan for 2025-26

Library Orientation for MSc. I Library orientation on Open Day for F.Y. Students To celebrate National Librarians Day on 12th August Book Exhibitions Declaration of Library User Awards Book review Competition To celebrate APJ Abdul kalam Birth anniversary Lecture on e-resources

Action taken for 2025-26

- A session by Mr. Bhavesh Shah on "Utilization of J Gate session" and 93 students and 8 staff participated in the session.
- Orientation and training was held in the month of September, 2025. 135 postgraduate students underwent the training.
- Book Exhibition was organised from 15th -16th October 2025. More than 132 staff and students visited the Exhibition. Marathi Book Exhibition was organised on 27th Feb. 2026. 74 students and staff visited the Exhibition.
- Book Review competition was announced on 15th October 2025 and submissions were received till 10th

January 2026. 12 UG and 3 PG students participated. Results were announced in March 2026.

- Turnitin membership was made and students are checking the project work Plagiarism check is made mandatory from this semester and it increased the footfall.

- To be declared in the month of June 2026.
- A session by Ms. Padma Sirohi on “Embedded Library Service for Teaching Learning Process” on 17th April 2026

Dr. Bright O Philip
Convenor LDC

Mulya Pravah and Value Education Initiatives

The Mulya Pravah and Value Education Committee, actively organized value-based initiatives during the academic year 2025–26 to promote holistic development among staff and students.

In alignment with its action plan, the committee organized a session on “*Yoga for Harmony and Wellness*” on 12 July 2025, in collaboration with the Department of Chemistry. The resource person was Mr. Prafull Rane. The session focussed on promoting physical fitness, mental well-being, and inner balance among participants. The session emphasized the importance of incorporating yoga into daily life to enhance overall health and productivity.

On 13 August 2025, in collaboration with the Code of Conduct Committee, a guest lecture on “*Understanding the Code of Conduct for Non-Teaching Staff*” was delivered by Dr. Parveen Kaur Nagpal. The session emphasized punctuality, professional ethics, confidentiality, and workplace responsibility. Through practical case studies and interactive activities, participants gained clarity on handling real-life workplace situations. The session reinforced the importance of teamwork,

adaptability, and integrity in institutional functioning.

In the second term, a session on “*Emotional Intelligence in the Digital Era*” was conducted on 18 November 2025 in collaboration with the Department of Chemistry. Ms. Kshitija Sawant, counsellor at KJSSC, highlighted the significance of emotional awareness, empathy, and effective communication in today's digital world. Through engaging discussions and group activities, students explored how technology influences relationships and learned strategies to manage emotions and build meaningful interactions online.

These initiatives successfully addressed both professional ethics and personal development. They enhanced awareness, encouraged reflective thinking, and equipped participants with practical skills to navigate workplace responsibilities and digital interactions effectively.

The Mulya Pravah and Value Education Committee for the academic year 2025–26 comprised Prof. Veena Khilnani (Convenor), along with Dr. Archana Padgaonkar, Dr. Mithun Mondal, Mr. Siddharth Nakhwa and Mr. Atharva Mashale.

NCC

International Yoga Day—21st June 2025

On 21st June, the KJSSC Girls Unit participated in the International Yoga Day event at Marine Drive, Mumbai.

17 cadets went for this event to the venue.

The event witnessed the participation of over 200 NCC cadets from various units, all gathered at the iconic Marine Drive promenade to celebrate the essence of yoga. The event aimed to promote the physical, mental, and spiritual benefits of yoga among youth and the NCC fraternity.

The session included warm-up stretches, Surya Namaskar, Pranayama, and other traditional yoga practices that are part of the common yoga protocol.

The event not only highlighted the importance of maintaining health and wellness but also showcased unity and harmony among all participating cadets.

Independence Day - 15th August 2025

K.J. Somaiya College celebrated the 79th Independence Day of India with great enthusiasm and patriotic fervor on 15th August 2025. The celebration aimed to honor the sacrifices of freedom fighters, instill a sense of national pride, and inspire students to uphold the values of unity and responsibility.

The program commenced with the flag hoisting ceremony by the Hon'ble Chairman Mr. Samir Somaiya along with the Chancellor and Vice Chancellor of the Somaiya Group and the Hon'ble Secretary of the Somaiya Trust Lt. Gen. H.S. Kahlon Sir, accompanied by the NCC contingent. As the national flag was unfurled, the gathering sang the national anthem in unison, filling the campus with patriotic zeal. The cadets then presented a guard of honor by showcasing discipline, coordination, and respect for the nation.

The cultural program added color and spirit to the event. Students performed patriotic songs and dances highlighting India's struggle for independence and its achievements since 1947.

Overall, the Independence Day celebration at K.J. Somaiya College was a memorable event that successfully combined patriotism, discipline, cultural expression, and social awareness. It served as a reminder of the sacrifices made for freedom and the ongoing duty of citizens to uphold the spirit of independence.

The event will foster unity among students, faculty, and the local community, promoting harmony and national

Republic Day - 26th January 2026

K.J. Somaiya College celebrated the 77th Republic Day with great enthusiasm and patriotic fervor on 26th January 2026. The celebration aimed to honor the sacrifices of freedom fighters, instill a sense of national pride and inspire students to uphold the values of unity and responsibility.

The program commenced with unfurling the flag by the Hon'ble Chairman Mr. Samir Somaiya along with the Hon'ble Secretary of Somaiya Trust Lt. Gen. H.S. Kahlon Sir, accompanied by the NCC contingent. As the national flag was unfurled, the gathering sang the national anthem in unison, filling the campus with patriotic zeal. The KJSSC GIRLS NCC UNIT then presented a Guard of Honor by showcasing discipline, coordination, and respect. Furthermore, the event was graced by Nishaan Toli, NCC Guards, and a Contingent Parade by NCC Cadets, showcasing their discipline and dedication under the guidance of Lt. Dr. Rohini Kasabe. More than 60 cadets, including ex-cadets, were present at this event.

The cultural program added color and spirit to the event.

Overall, the Republic Day celebration at K.J. Somaiya College was a memorable event that successfully combined patriotism, discipline, cultural expression, and social awareness.

The event will foster unity among students, faculty, and the local community, promoting harmony and national integration.

Combined Annual Training Camp 506 Report

The Combined Annual Training Camp started from 29th May 2025 to 7th June 2025 and was arranged by 1 MAH GIRLS BN NCC. This 10-day Combined Annual Training Camp was designed to shape cadets through a disciplined and structured routine filled with physical training, drill practices, theory sessions, and cultural activities.

Cadets followed a tight schedule that required stamina, presence of mind, and dedication. This camp also included the initial phase of TSC selections, where cadets were shortlisted based on their performance in key events such as Shooting, Map Reading, Tent Pitching, Health and Hygiene, Obstacle training, Judging Distance, and Field Signals.

A special visit by the Group Commander added to the motivation and discipline of the camp. He reviewed all ongoing activities, inspected the arrangements, and appreciated the high standard of training being imparted. It was a proud moment as the cadets of KJSSC brought laurels to the unit by securing first place in the Drill Squad Test (DST), second place for Camp Senior, and third place in both the Relay Race and the Article Writing Competition.

The camp was more than just training; it was a blend of learning, competition, and self-discovery. It tested the physical limits of cadets while sharpening their mental focus and unity as a team.

World Environment Day—5th June 2025

The tree is the key to a pollution-free environment for a long time because it is responsible for providing oxygen, improving the quality of air, climate amelioration, conserving water, soil preservation, and supporting wildlife. Due to all these reasons, tree planting has become necessary in the present scenario as pollution is at a peak. Tree plantation is the only way to control pollution to some extent.

A tree planting was organized on June 5, 2025, at the CATC-506 camp at K.J. Somaiya College, which was hosted by 1 MAH Girls Bn NCC.

A total of 26 cadets of the KJSSC Girls NCC Unit participated in this event. Participated under the guidance of PI staff of 1 MAH Girls Bn NCC along with ANOs of other institutes and ANO Lt. Dr. Rohini Kasabe of KJSSC Girls NCC Unit on 5th June 2025.

Sharing the deep sense with youths and upcoming generation, “March towards a greener and cleaner nation.”

WNC Half Marathon -23rd November 2025

The Western Naval Command organized a half marathon in Mumbai to promote the message of Fit India, where participants ran with great enthusiasm. The KJSSC Girls NCC Unit volunteered in a cheering initiative, with 13 cadets motivating runners along the route and adding energy to the event. The 5 km run was flagged off by Chief of Naval Staff Admiral Dinesh K. Tripathi, while the 10 km segment was flagged off by WNC Chief Vice Admiral Krishna Swaminathan along with a few actors. The marathon symbolized endurance, discipline, and commitment—values central to NCC training—and gave cadets the opportunity to witness these qualities in action.

Through their cheering duties, the cadets learned how moral support boosts athlete performance and gained valuable.

Vande Mataram Event- 7th November 2025

The 1 Maharashtra Girls Battalion NCC organized a grand patriotic event titled “Vande Mataram” on the scenic stretch of Marine Drive, Mumbai. The event was held with the purpose of instilling national pride, unity, and respect for the motherland among the youth, particularly the young cadets of the National Cadet Corps.

The highlight of the event was a mass singing of the national song “Vande Mataram.” Hundreds of cadets stood in perfect formation along Marine Drive, facing the Arabian Sea, and sang the song in one voice. The moment was truly inspiring — the event was organized to commemorate the 150 years of “Vande Mataram”, celebrating its legacy as a symbol of national pride and unity. It inspired cadets to honor the spirit of the song and

its historical significance. Through this celebration, NCC cadets strengthened their sense of patriotism, teamwork, and dedication to the nation.

Overall, the “Vande Mataram” event at Marine Drive was a grand success. It beautifully combined the spirit of patriotism with the strength and enthusiasm of young women cadets. Through this event, the NCC once again demonstrated its vital role in nation-building and youth development

Naval Dockyard Visit—28th November 2025

On the occasion of NCC Day, educational visit to Naval Dockyard, Mumbai was organized on 28th November for NCC cadets of KJ Somaiya College

As citizens of a nation with a rich maritime heritage, it's essential for the youth to understand the strength and dedication behind safeguarding our seas.

The naval dockyard visit was an enriching opportunity for NCC cadets of KJSSC to witness the backbone of naval engineering and maintenance that keeps the Indian Navy battle-ready.

Cadets were given the incredible opportunity to witness key naval assets, including INS Teg, a powerful frontline warship, and INS Sindhu Ratna, a submarine that plays a vital role in underwater defense operations.

All KJSSC girl cadets, along with a few ex-cadets, participated in the visit under the guidance of ANO Lt. Dr. Rohini Kasabe. The cadets were welcomed by naval officers who briefed them about the legacy of the Naval dockyard—one of the oldest dockyards in the world, known for servicing warships, submarines, and advanced marine equipment.

Chhatrapati Shivaji Maharaj Rally—19th 19th February 2026

The event “Honor Chhatrapati Shivaji Maharaj's Legacy – 2026” was organized to honor the life and ideals of the great Maratha ruler and to inspire youth with values of courage, discipline, and Swarajya. The program began with a traditional Lezim performance, setting an energetic and

cultural tone. This was followed by a rally from the Asiatic Society Library to the Gateway of India. The rally included a vibrant RPF Dhol Parade and disciplined participation by NSS volunteers, Scout and Guide members, and NCC cadets, reflecting unity, leadership, and national service. During the rally, a Powada was sung, narrating the heroic deeds and inspiring legacy of Chhatrapati Shivaji Maharaj, which deeply motivated participants and spectators. The event successfully blended cultural heritage with patriotic spirit and concluded with a renewed commitment to follow Shivaji Maharaj's timeless values of bravery, justice, and service to the nation.

Commanding Officer's Visit to Campus- 9th February 2026

The KJSSC Girls NCC Unit, under the guidance of ANO Lt. Dr. Rohini Kasabe, organized an interactive session with the Commanding Officer of 1 MAH GIRLS BN NCC, Major Ishaan Krishna, on 9th January 2025. Major Krishna recently assumed charge as the commanding officer of the battalion.

The session commenced with a formal welcome by the Principal, Dr. Pradnya Prabhu, who extended her warm greetings to the Commanding Officer and highlighted the institution's continued commitment to the values and discipline of the NCC.

During the interaction, Major Ishaan Krishna addressed the cadets and shared valuable insights on leadership, discipline, dedication, and the wide range of opportunities available through the NCC. The session was highly engaging, allowing cadets to interact directly with the commanding officer, seek guidance, and clarify their queries regarding training, camps, and future prospects within the organization. Following the interaction, Major Krishna was taken on a visit around the Somaiya Campus to review and assess potential sites suitable for organizing upcoming NCC camps. The visit provided an opportunity to explore the campus infrastructure and facilities in view of future collaborative activities.

NSS

Blood Donation Camp : Total 3 Blood Donation camps were organized

1. At Lalbaug (25/01/26) (in collaboration with Balasaheb Thackeray Trauma Care hospital blood bank Jogeshwari) (130 Units collection).
2. At KJSSC (12/09/25) (in collaboration with Somaiya blood bank) (35 Units).
3. At KJSSC (06/02/26) (in collaboration with Somaiya blood bank) (27 Unit).

Beach Clean-up drives

23 Beach clean up drives at Mahim, Juhu, Dadar (In collaboration with United way, Bisleri's official NGO partner, Jallosh and Jai Foundation, Gully Class Foundation.

Forest Clean-up drive

8 forest clean up drives at Aarey Forest (In collaboration with Seed for Banyan foundation).

Tree Plantation and Forest Restoration

- Seed bombing at Bhivpuri road, Garbet plateau (03/08/2025).
- Tree plantation and Care : 14/08/2025, 14/09/2025, 31/10/2025, 14/12/2025 in Collaboration with Paryavaran Dakshata Mandal.
- Forest restoration : 25 visits to Aarey Forest for tree plantation and care between 5/7/2025 to 15/2/2026 in Collaboration with Youth For Aarey.

Teaching Associate

The NSS Unit of K.J. Somaiya College of Science and Commerce regularly participates in Teacher Association Programs in collaboration with The Moment India to promote the spirit of teaching and

community service. These programs are designed to support teachers in effectively educating and managing young students of age group 3-5 years. Our NSS volunteers consistently assist teachers by helping with teaching, guiding, and managing the young students throughout each session.

Sunday Funday programme

Sunday Funday programme at David Sassoon Industrial School, Matunga Road, in collaboration with the Ashiyana Foundation, where our volunteers engage the vulnerable children in different kind of fun activities.

Total Visits : 7 times and One celebration on Christmas party

Sports Day for Specially abled children

The NSS Unit of K.J. Somaiya College of Science and Commerce organized a Sports Day in collaboration with Sahyog Foundation for specially-abled students, promoting inclusion and active participation. The event included activities like running races, javelin throw, and specially curated games.

Flashmob for Person with Disability

The NSS Unit of K J Somaiya College of Science and Commerce, in collaboration with Sahyog Foundation, organized a flash mob at Andheri Metro Station to raise awareness about the rights, challenges, and empowerment of Divyang (differently-abled) individuals. The activity aimed to promote inclusivity, empathy, and accessibility. The flash mob attracted public attention and successfully spread awareness, encouraging a more inclusive and sensitive society.

Sports

List of Star Players at State and National Level

Sr. No.	Name of the Students	Sports	Class	Performance
1	Bhavya Salva	Yogasana	SYBCom	1. University of Mumbai Inter-Collegiate Zone One Gold Medal
2	Shravani Walavalkar	Swemming	SYBSC	1. University of Mumbai Inter-Collegiate Zone One 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 2. All India University Participated
3	KJSSC Girls Football Team	Football	KJSSC	1. University of Mumbai Inter-Collegiate Zone One 4 th Place
4.	KJSSC Boys Football Team	Football	KJSSC	1. University of Mumbai Inter-Collegiate Zone One Quarters Final
5.	Ayush Kumawat	Athletics	FYBSC	1. University of Mumbai Inter-Collegiate Zone One Silver Medal 2. University of Mumbai Inter Zone 5 th Place
6.	KJSSC Boys Basketball Team	Basketball	KJSSC	1. University of Mumbai Inter-Collegiate Zone One 3 rd Place
7.	Sneha Chaurasia	Football	SYBCOM	She has selected for west zone (national) university tournament 2025-26 held at pratap singh university REVA.
8.	Sayee Patil	Football	TYBSC	She has selected for west zone university tournament 2025-26 held at pratap singh University REVA.
9.	Ruth Vas	Taekwondo	FYBSC	1. University of Mumbai Inter-Collegiate Silver Medal 2. All India University Selected
10.	Dibiyanshu Chauhan	Taekwondo	SYBCOM	1. University of Mumbai Inter-Collegiate Bronze Medal
11.	Sneha Chaurasiya	Football	SYBCOM	West Zone Football Tournament for National all India University -2025-26 (University of Mumbai 4 th Place)
12.	Sayee Patil		TYBSC	

Students Grievance Redressal and Antiragging Committee

Activities conducted

- **Skit demonstration**

The Students Grievance Redressal and Anti-Ragging Committee of K. J. Somaiya College of Science & Commerce, in collaboration with the second-year LLB students of K. C. Law College, Churchgate, Mumbai, presented a skit titled “Ragging Hurts: Respect, Not Ridicule” on 12th August, 2025, 12:00 PM at the Somaiya Campus.

The students of K.C. College presented a skit that effectively demonstrated the process of approaching the Anti-Ragging Committee when students become victims of ragging. The performance discussed the types of ragging situations that can occur

in colleges, the role of the Anti-Ragging Committee and the proper manner and time for reporting such incidents to the concerned authorities.

- **Meme Competition on Anti-Ragging**

The following students were awarded for the same :

1. First Prize : Saish Patil, SYBSc
2. Second Prize : Guneet Ratnani, FYBSc
3. Third Prize : Ankita Gupta, TYBSc

- **Film Viewing**

The links for short movies available on UGC website were circulated amongst all the students and faculty.

Student Council

1. MPSC & UPSC aspirants-On 8th November 2025, Mr. A. M. Kulkarni and Dr. Pratap Ramchandra Dighavkar conducted a session at K. J. Somaiya College of Science and Commerce in collaboration with the Sonali Satish Talekar Charitable Trust, the speakers spoke about their MPSC journey, narrating their struggles and success and how they can be relatable for the students. They gave insights to the students regarding the MPSC and civil services patterns, and how they can prepare for the examination(s). An in-depth discussion of dos and don'ts regarding the preparation for civil services examinations was done with the students, which gave them an understanding as to how to prepare for civil services' exam pattern and achieve success. The discussion went beyond mere exam strategies, and dedicated a significant amount of time to a broader perspective of civil services relating to philosophy and ethics. The Sonali

Satish Talekar Charitable Trust presented informational videos relating to civil services subsequently, Mr. A. M. Kulkarni presented videos which gave a message from the civil services. The speakers narrated their experiences, as to how their lives changed post becoming a civil servant, hence painting an inspiring picture of social impact, authority, and transformation one has once they begin their journey of serving the nation and its people. An interactive question and answer session took place among the speakers and the students; this gave the students deeper insights for civil services exams. Free UPSC and MPSC study material was distributed amongst the students by the Sonali Satish Talekar Charitable Trust.

2. Encomium-On 24th December, 2025, Student council organised ENCOMIUM 2025-26, an Awards ceremony event as

a part of Annual Gathering 2025 at Engineering Auditorium, Somaiya Vidyavihar. This Event was organised for honouring the students, teachers and the staff for their prestigious achievements, hard work and recognition of their contribution towards the college. The event aimed to recognize excellence, dedication, and commitment across academics, co-curricular activities, and administrative services. The ceremony witnessed the presence of the management, principal, faculty members, staff, and students. Achieving students were appreciated for their academic, cultural, sports, and research accomplishments, while teachers were honoured for their academic excellence, mentorship, and service. The dignitaries addressed the gathering, highlighting the importance of recognition in motivating individuals and fostering a culture of excellence. The event concluded with a vote of thanks, leaving the audience inspired and proud of the collective achievements of the college community.

3. Career Seminar on CMA-On 10th November, 2025, CA Dimpal D. Chheda and her team conducted a career seminar at KJ Somaiya College of Science and Commerce in collaboration with the Student Council. The speaker spoke about how CMA can help propel a student to new heights in their career. The speaker held a simple, interactive, intellectual, and thought-provoking discussion with the students, which gave the students a general idea of the field of activity in which a CMA operates.

The speaker went beyond just the topic of the seminar and advised the

students as to how they can better their employment opportunities with courses other than CMA as well, whilst emphasising how convenient and useful the course is. The speaker gave real life scenarios to explain the current job landscape and also how CMAs are needed and demanded by companies and firms. The speaker stated the merits of the qualification and enlightened the students as to how they can and should prepare for the professional course.

4. “National Youth Day”- A National Youth Day Quiz Competition was successfully conducted at KJ Somaiya College of Science and Commerce on 12th January 2026 through an online platform. The event was organised to commemorate the birth anniversary of Swami Vivekananda and to inspire youth by promoting knowledge, awareness, and intellectual engagement. The quiz aimed to highlight the teachings, philosophy, and contributions of Swami Vivekananda, along with questions related to youth empowerment, Indian culture, and contemporary awareness. Students actively participated with great enthusiasm, reflecting the spirit of National Youth Day. The online format ensured smooth participation and accessibility for students. The event encouraged healthy competition, critical thinking, and a deeper understanding of Swami Vivekananda’s ideals such as self-belief, discipline, and service to society. Overall, the quiz competition was a meaningful and engaging initiative that successfully celebrated Swami Vivekananda Jayanti and reinforced the importance of youth in nation-building.

Student Council Members 2025-26

1. Dr. Pradnya Prabhu - (Principal)
2. Mr. Subhash Krishnan - (Vice-Principal)
3. Ms. Chitra Trehan - (Dean Students Welfare)
4. Dr. Smita Paranjape - (Coordinator & IIC)
5. Ms. Kasak Jaiswal (President)
6. Prof. Rohini Kasabe (NCC)
7. Ms. Mahek Sharma (Secretary)
8. Prof. Jitendra Pendharkar (Cultural forum & MVM)
9. Prof. Nishamol Kanat (Cultural forum & MVM)
10. Prof. Prabhat Upadhyay (NSS)
11. Prof. Sarang Gujar (Career Katta & DLLE)
12. Prof. Amol Pawar (Career Katta & DLLE)
13. Ms. Hemangi Rajput (MSC)
14. Ms. Anjali Singh (TYBCOM)
15. Mr. Sourabh Singh (TYBCOM)
16. Mr. Tirth Momaya (TYBCOM)
17. Ms. Arpita Padwal (TYBCOM)
18. Ms. Aaysha Khan (TYBSC)
19. Mr. Aditya Palande (TYBSC)
20. Mr. Shashank Hemanth (SYBCOM)
21. Mr. Joshua Namboodiri (SYBCOM)
22. Mr. Ethan Varghese (SYBCOM)
23. Mr. Bhavya Savla (SYBCOM)
24. Ms. Oviya Chakraborty (SYBSC)
25. Mr. Prarabdh Shrivastav (SYBSC)
26. Ms. Nancy Varia (SYBSC)
27. Ms. Aditi Dubey (SYBSC)
28. Ms. Anmol Pahilani (FYBCOM)
29. Mr. Sanket Chalke (FYBCOM)
30. Mr. Priyansh Jain (FYBSC)

Toppers List 2024-25

Sr. No.	UG/PG	Subject	Name of Student
1	Ph.D	Chemistry	Kulkarni Atharva Yeshwant Meghana
2	Ph.D	Chemistry	Lokhande Saili Vikram Rashmi
3	Ph.D	Chemistry	Yadav Suraj Peerappa Jaysree
4	Ph.D	Chemistry	Salvi Swarupa Ameya
5	M.Sc	Biochemistry	Khan Eilaf Mohamed Salim Najma
6	M.Sc	Analytical Chemistry	Dalvi Diksha Pramod Priya
7	M.Sc	Inorganic Chemistry	Soman Chinmay Girish Gauri
8	M.Sc	Organic Chemistry	Shaikh Rafat Abdul Jabbar Noorjhan
9	M.sc	Physical Chemistry	Pimputkar Anushree Arvind Anisha
10	M.Sc	Geology	Shah Devang Sandeep Mona
11	M.Sc	Microbiology	Jadhav Apeksha Pradeep Prachi
12	M.Sc	Physics	Singh Roshan Pankajkumar Suman
13	M.Sc	Zoology	Khan Bushra Mohd Amin Mehjabeen
14	B.Com	Commerce	Angre Anushka Chandrashekhar Sayali
15	B.Sc	Botany	Shinde Ashwini Tanaji Kanchan
16	B.Sc	Chemistry	Kumar Tanishq Jyot Babita
17	B.Sc	Chem- Biochemistry	Vadhan Niti Khetshi Vanita
18	B.Sc	Geology	Dandekar Atharv Mahesh Vrushali
19	B.Sc	Mathematics	Shetty Rohan Karunakar Parvathi
20	B.Sc	Microbiology	Thomas Sheril Mathews Thara
21	B.Sc	Micro-biochemistry	Kumthekar Ketki Kishor Priya
22	B.Sc	Physics	Balasubramaniam Krishnamurthy Kavitha
23	B.Sc	Statistics	Panigrahi Subhashri Bhagwan Snehalata
24	B.Sc	Zoology	Khan Qulsum Bano Riyazuddin Zaibunnisa

Alumni Committee



Aavishkar Committee



One-day workshop on “Designing a Research Project - Sanshodhanam” on 29th July 2025



Certificate of Appreciation for
Overall Championship (first rank)
in category pure science
for academic year 2024-25
Date: 29/11/2025



Hosted the 20th Aavishkar Inter-Collegiate / Institute /
Department Research Convention 2025-26 of
University of Mumbai Zone-II on 04th December, 2025



Interaction with Shri. Samir Somaiya, President
of Somaiya Vidyavihar and Chancellor of
Somaiya Vidyavihar University of all state level
nominee students of Aavishkar 2025
on 22nd December, 2025



Field visit for students selected for the State
Level Aavishkar Research Convention 2025-26
to interact with Padmashri Rahibai Popere on
20th January 2026

Aavishkar Committee



Selection and Participation of Mr. Austin Parmar for Anveshan West Zone Student Research Convention 2025-26 from K J Somaiya College of Science and Commerce on 20th and 21st January 2025



Mr. Austin Parmar, M.Sc II student from Geology Department, KJSSC won Gold medal at the State Level Aavishkar Convention 2025-26 on 1st February 2026



'Safalata Bhushnam' Felicitation of State Level Aavishkar Winners and nominees on 28th February 2026

Career guidance and placement committee



Panel Discussion and Industry Academia meet

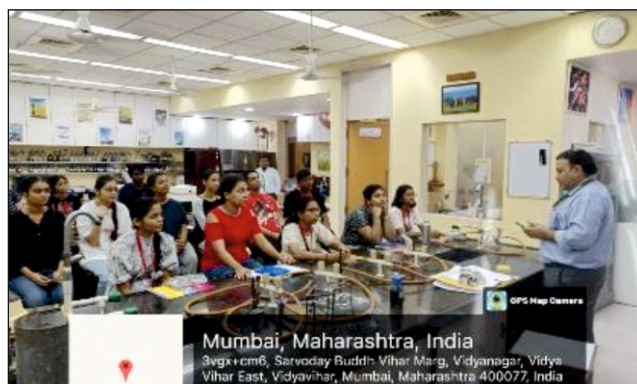


Career Festival 2025-2026



Career Festival 2025-2026

Code of Conduct Committee



Session on Code of Conduct for the S.Y.B.Com. / T.Y.B.Com. S.Y.B.Sc/ T.Y.B.Sc /M.Sc Part II students by the Committee members and Depts in June 2025



Code of Conduct session for the "F.Y.B.Com & F.Y.B.Sc during the Induction Programme" by the committee members on 30th June 2025

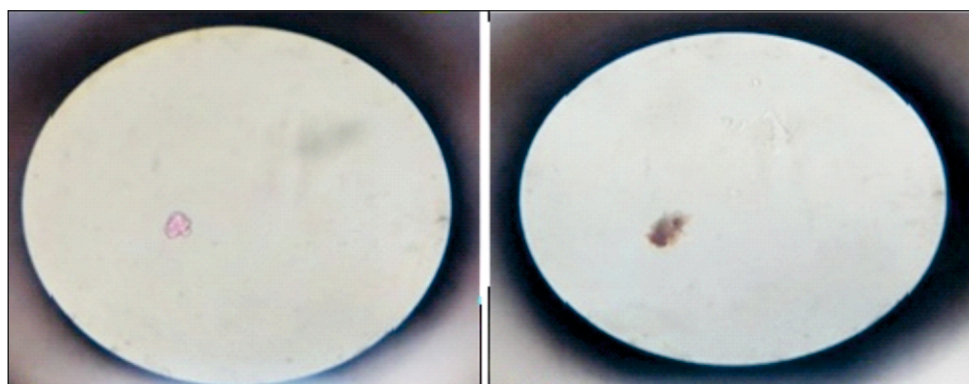


Session on Understanding the Code of Conduct for the Non-Teaching Staff by Dr Parveen Nagpal Principal Guru Nanak School & Jr College Parksit Vikhroli on 13th August 2025

Cube Report



Biofloc production and water Quality analysis



Microplastics in GI tract and muscle of Bombay Duck



Duckweed production and evaluation on growth performance of fish



Hands on Activity- Tiny Life, Big Picture- Exploring Life in Water

Cultural Forum and Marathi Vangmay Mandal



Inauguration : 1st August 2025



Garba : 27th September 2025



Journey of Mr Aadesh Bandekar from Raja Bhai tower
to Eiffel tower : 9th September 2025



Asmita : 17-19 December 2025

Cultural Forum and Marathi Vangmay Mandal



Phoenix



Surabhi : 20-22 December 2025



Annual Day



Marathi Bhasha Gaurav Din : 25th February 2026

Diksharambha Committee



The postgraduate induction programme “SWAGATAM” on 7th July 2025



Innovation Incubation Cell



Theme Launch



“Innovation through Observation,”



Dr. Hitesh Pawar



Shark Tank Somaiya

Environment Awareness Committee



Students embracing sustainability through eco-friendly practices



Tetavli Afforestation Project visit : learning sustainability through real-world ecosystems."



Monitoring air quality on campus—students engaging with real-time environmental data and Presentation of AQI mapping



Panel Discussion (Climate Week) : Rethinking food, waste, and climate



Climate Skills Training British Council with University of Mumbai

Gymkhana



Bhavya Salva, SYBCOM
Yoga

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



Shravani Walavalkar, SYBSC
Swimming

1. University of Mumbai Inter-Collegiate & Inter-Zone
200 butterfly -Gold Medal
100 butterfly -Gold Medal
50 butterfly - Silver Medal
800 freestyle -Bronze Medal



Girls Football Team

1. University of Mumbai Inter-Collegiate Zone One 4th Place



Boy's Football Team

1. University of Mumbai Inter-Collegiate Zone One Quarters Final

Gymkhana



Ayush Kumavat, FYBsc
Athletics (1500m Run)

1. University of Mumbai Inter-Collegiate Zone One Silver Medal
2. University of Mumbai Inter Zone 5th Place



Boys' Basketball Team

1. University of Mumbai Inter-Collegiate Zone One 3rd Place



Sayee Patil, TYBsc
Football

1. University of Mumbai Inter-Collegiate Zone One 4th Place
2. She has selected for West Zone (National) University Tournament 2025-26 held at Pratapsingh University REVA



Sneha Chaurasia, SY Bcom
Football

1. University of Mumbai Inter-Collegiate Zone One 4th Place
2. She has selected for West Zone (National) University Tournament 2025-26 held at Pratapsingh University REVA

Gymkhana



Ruth Vas

Taekwondo (Kyorugi under 46 Kgs)

1. University of Mumbai Inter-Collegiate Zone
One Silver Medal

2. All India Inter-University Taekwondo (Women)

Tournament 2025-26 Bhubaneswar (Odisha)-Participated



Dibiyanshu Chauhan

Taekwondo (Kyorugi under 87 Kgs)

1. University of Mumbai Inter-Collegiate Zone
One Bronze Medal

University Of Mumbai Foot West Zone Team - 2025-26



Sneha Chaurasia, SYBCom Sayee Patil, TYBSc
Football

Tournament : University of Mumbai West Zone Tournament - 2025-26

Venue : Pratap Singh University REVA- Madhya Pradesh

Date : 6 to 14th Feb. 2026

1. University of Mumbai West Zone Tournament 2025-26

held at Pratapsingh University Secured 4th place

both players has selected for all India University National Tournament

held at Tamilnadu state 2025-26

Internal Complaint Committee



Posh Training for the Internal Committee Members by Ms Rashmi Taylor Grant Manager and MEL Consultant



A session on Posh Awareness for the students UG and PG students by Ms Rashmi Taylor Grant Manager and MEL Consultant

Library Development Committee



SOMAIYA VIDYAVIHAR
K. J. Somaiya College of Science & Commerce

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

LIBRARY ADVISORY COMMITTEE
National Librarians Day
(On the birth anniversary of P. M. S. R. Ranganathan, Father of Library Science)
A talk on

"J-Gate utilization of E- resources"

Mr. Bhavesh Shah
Territory Sales Manager, Informatics Publishing Limited

12th August, 2025 10.30 am - 11.30 pm

Committee Members	Dr. Veena Khilnani Mr. Siddharth Nakhwa Ms. Pooja Mattani Ms. Poonam Shinde Mr. Manish Mohadekar Ms. Sameera Samant	Dr. Anil Patwardhan Ms. Pooja Mattani Mr. Manish Mohadekar Ms. Sameera Samant
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Dr. Bright O'Phillip
Convener

Dr. Pradnya Prabhu
Principal



SOMAIYA VIDYAVIHAR
K. J. Somaiya College of Science & Commerce

Library Development Committee
invites students and staff to participate in

Book Review Competition 2025-26

Rules & Regulations :

- Write a review on a book of your choice in a maximum of 500 words in either English, Hindi or Marathi.
- Reviews to be typed and pdf to be uploaded in the following link Submission form
- Registration is free.
- Prize winner will receive an e-certificate.
- You can write the review on a book of your choice or choose from this List of suggested book

Plagiarized review will be disqualified.

Last date for sending entries is 10/01/2026

For any queries, please contact:
s.nakhwa@somaiya.edu

Book Reviews
The Mind of the Reader

Dr. Bright O'Phillip
Convener

Dr. Pradnya Prabhu
Principal

SOMAIYA VIDYAVIHAR
K. J. Somaiya College of Science And Commerce

K J SOMAIYA COLLEGE OF SCIENCE AND COMMERCE
(AUTONOMOUS-Affiliated to University of Mumbai)
Re-accredited "A" Grade by NAAC

IQAC
And
Library Advisory Committee
organizes lecture on
Embedded Library Service for Teaching-Learning Process

17th April, 2026
11:00 AM

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

Resource Person
Ms. Padma Sirohi
MPhil (LIS), MLIS, PGDLM, MH-SET (LIS)
Librarian, D. Y. Patil Deemed to be University - Centre of Excellence, Navi Mumbai

Mrs. Aarti Kore & Mr. Shabib Khan
Convener
IQAC

Dr. Bright O'Phillip
Convener
Library Advisory Committee

Dr. Pradnya Prabhu
Principal

NCC Activities



On 21st June, the KJSSC Girls Unit participated in the International Yoga Day event at Marine Drive, Mumbai



Celebrated the 79th Independence Day of India



Celebrated the 77th Republic Day



Combined Annual Training Camp 506



World Environment Day - 5th June 2025



WNC Half Marathon - 23rd November 2025



Vande Mataram Event - 7th November 2025



Naval Dockyard Visit - 28th November 2025



Chhatrapati Shivaji Maharaj Rally - 19th February 2026



Commanding Officer's Visit to Campus - 9th February 2026

NSS Activities



Blood Donation Camp



Beach Clean-up drives



Forest Clean-up drive



Tree Plantation and Forest Restoration



Teaching Associate



Sunday Funday programme



Sports Day for Specially abled children



Flashmob for Person with Disability

Students Council



Encomium 26-27



Retired IGP Mr. Atul Kulkarni



Free Book Distribution

Students Grievance Redressal and Antiragging Committee



Skit demonstration




K J Somaiya College of Science And Commerce
Autonomous- Affiliated to Mumbai University, Reaccredited 'A' Graded by NAAC
ISO 9001-2015 Certified, Vidhyavihar, Mumbai -77

Grievance redressal and Antiragging Committee
Presents



#SayNoToRagging
' Watch. Learn. Act. '
A UGC-Compliant Awareness Initiative to promote
Safe and Respectful Campus Environment

*" As awareness begins with understanding, watch the approved
films and documentaries to understand ragging from every side
- parents, victims, and offenders ! "*

<https://www.youtube.com/watch?v=KwWkz7F0s4Q>
<https://www.youtube.com/watch?v=6dCmG4Qh0sE>
<https://www.youtube.com/watch?v=dWHMAA1e1g>



<https://www.youtube.com/watch?v=2yK-CKXMI2g>
<https://www.youtube.com/watch?v=2KvD3r3y2ak>
<https://www.youtube.com/watch?v=Zur18moyeRQ>

Source : UGC Anti-ragging measures

Film Viewing

Women Development Committee



Gynaecology Awareness & Health Camp
AROGYAM in collaboration with Prasuti Tantra
Stree Rog Department, APV's Ayurveda College
Sion, Mumbai. on 21st July 2025
Dr Archana Mahajan CMO and consulting
Gynaecologist and obstetrician



An awareness session on Child Rights & POCSO Act,
2012 was engaged by Mrs Priti Patkar Co-Founder
Prerana and Ms Rashmi Taylor Grant Manager &
MEL Consultant Prerana on 02nd December 2025 for
the students of Junior College KJSSC



A session on Cyber Awareness "Cyberbro: Empowering
Youth to protect themselves in Cyberspace". by Mr
Swapnil Pange Head, Counselling services at Ahaan
Foundation-Responsible Netism on 10th December 2025