



ENGINEERING SCIENCES DEPARTMENT

About KSE

Keystone School of Engineering (KSE) is a premier institution committed to delivering high-quality technical education with a strong focus on innovation, skill development, and industry readiness. Established with a vision to nurture future engineers and technology professionals, the institute continuously strives to create an ecosystem where academic excellence meets real-world application.

The institution believes in empowering students not only with theoretical knowledge but also with practical competencies that enable them to excel in today's rapidly evolving technological landscape. Through a student-centric approach and commitment to holistic development, Keystone School of Engineering has emerged as a progressive center for engineering education dedicated to shaping competent, confident, and socially responsible professionals.

Affiliated with Savitribai Phule Pune University (SPPU) and approved by AICTE, New Delhi, the institute offers undergraduate and postgraduate programs designed to align with current industry standards and future technological advancements.

The curriculum integrates academic fundamentals with experiential learning methodologies such as project-based learning, internships, industrial visits, hackathons, certification programs, and exposure to emerging technologies including **Artificial Intelligence, Data Science, Cloud Computing, Cyber Security, Internet of Things (IoT), Full Stack Development, and Business Intelligence**.

Keystone strongly emphasizes outcome-based education and innovation-driven learning to enhance creativity, analytical thinking, and problem-solving abilities among students. The institute takes pride in its experienced faculty members, modern classrooms, advanced laboratories, computing facilities, and industry-oriented learning environment.

Through strong collaborations with industries, technology academies, and professional organizations, students gain access to specialized training, certifications, expert sessions, mentorship programs, and real-time project experiences that significantly improve employability and career readiness.

The institution's pioneering **Industry Mentorship Program** connects students directly with industry professionals and domain experts who guide them in career planning, professional development, technical skill enhancement, and industry exposure.

Along with academic excellence, Keystone School of Engineering encourages leadership, ethical values, entrepreneurship, teamwork, communication skills, and participation in co-curricular and extracurricular activities for overall personality development. With its unwavering commitment to quality education, innovation, and student success, Keystone School of Engineering continues to empower aspiring engineers and technology professionals to become globally competent, industry-ready, and future-focused leaders contributing to technological and socio-economic development.

Institute Vision

To emerge as a world-class knowledge center producing professionals of high academic competence, strong ethical values, integrity, and a commitment to meaningful contribution towards national and global development.

Institute Mission

- To provide high-quality technical education through effective teaching and learning practices.
- To nurture creativity, innovation, leadership, and entrepreneurial skills among students.
- To create an environment conducive to academic growth, research, and career development.
- To align curriculum and training with evolving industry and societal needs.
- To instill values of equality, dignity, social responsibility, and professionalism.

Quality Policy

- Keystone School of Engineering is committed to continuous improvement in academic and administrative processes by fostering discipline, integrity, transparency, and collaboration among students, faculty, industry, and society to achieve excellence in education and nation-building.

AE 2025-26

VOL 1 | ISSUE 1

DEPARTMENT NEWSLETTER



ENGINEERING SCIENCES DEPARTMENT

Department of Engineering Science

The Department of Engineering Science at Keystone School of Engineering plays a pivotal role in laying a strong academic foundation for budding engineers. The department caters to all branches and ensures students are equipped with essential knowledge in basic sciences, engineering fundamentals, and communication skills. Our dedicated team of faculty fosters an environment of curiosity, analytical thinking, and ethical practices.

The department emphasizes interactive learning through well-equipped laboratories, workshops, and modern teaching aids. Regular activities, seminars, and bridge courses are conducted to support students' smooth transition into their respective core engineering disciplines.

Vision

To be a Centre of Excellence in Applied Sciences and Basic Engineering by nurturing scientific knowledge, innovation, and technical competence to empower future engineers in meeting global technological, industrial, and societal challenges.

Mission

- To achieve academic excellence by imparting strong fundamental knowledge in Applied Sciences and Basic Engineering through innovative teaching, experiential learning, and continuous assessment.
- To prepare students for global engineering challenges by fostering critical thinking, problem-solving abilities, innovation, and a collaborative academic environment enriched through industry interaction and emerging technologies.
- To inculcate professional ethics, leadership, social responsibility, and environmental consciousness, enabling students to contribute meaningfully to society and the engineering profession.
- To create a student-centric learning ecosystem that nurtures individual potential through personalized mentoring, academic support, skill development, and an inclusive environment that encourages lifelong learning, confidence, and holistic growth.



ENGINEERING SCIENCES DEPARTMENT



Prof. Y . R . Soman
Founder Director
Keystone School of Engineering , Pune

From Directors Desk

Dear Students, Faculty, and Esteemed Stakeholders,

It is with immense pride and joy that I welcome you all to the Keystone School of Engineering, a distinguished initiative under the Shakala Foundation. Our foundation, driven by a shared passion for education, is promoted by highly qualified and experienced individuals renowned in the fields of academics, management, training, placement, and infrastructure development. At the Shakala Foundation, we firmly believe that the student is the nucleus of any educational institution. This belief forms the cornerstone of our philosophy at Keystone School of Engineering, which is encapsulated in our guiding mantra: "By the Teachers...! Of the Students...! For the Society...!"

Our philosophy underscores our commitment to fostering an environment where educators are empowered to innovate and lead. Our faculty members are not only teachers but mentors who inspire and guide our students to achieve excellence in their chosen fields. We believe in a collaborative approach where educators and students are co-creators of knowledge. Our curriculum and teaching methods are designed to encourage active participation, critical thinking, and hands-on learning, ensuring that our students are well-prepared for the challenges of the future.

We are committed to nurturing socially responsible engineers who contribute positively to society. Our programs are designed to instill a sense of responsibility and community service in our students, preparing them to become leaders who drive societal progress and innovation.

As we embark on this journey together, I am confident that with the collective efforts of our talented faculty, dedicated students, and supportive stakeholders, Keystone School of Engineering will set new benchmarks in engineering education. We aim to create a vibrant learning environment that not only imparts technical knowledge but also fosters holistic development. I invite you all to join hands with us in this exciting endeavor. Let us work together to build a future where education is not just a means to an end, but a lifelong journey of discovery, growth, and contribution to society.



ENGINEERING SCIENCES DEPARTMENT



Dr. Sandeep Kadam
Principal
Keystone School of Engineering , Pune

From Principal Desk

On behalf of Keystone School of Engineering, it is my pleasure to extend a hearty welcome to all visitors to our website. Here, you'll discover a vibrant community dedicated to excellence in education, innovation, and research.

At Keystone, we pride ourselves on offering a diverse range of programs designed to meet the demands of the ever-evolving technological landscape. Whether your passion lies in Computer Engineering, Artificial Intelligence and Data Science, Electronics and Telecommunication, or Mechanical Engineering, our comprehensive curriculum and state-of-the-art facilities are tailored to provide you with the knowledge and skills necessary for success.

Our faculty members are not only experts in their respective fields but are also dedicated mentors committed to guiding and inspiring our students. Through hands-on experience, industry partnerships, and cutting-edge research opportunities, we aim to foster a learning environment that encourages critical thinking, collaboration, and innovation.

As you explore our website, I encourage you to learn more about the exciting programs, research initiatives, and student activities that make Keystone School of Engineering a hub of academic excellence and creativity. Whether you're a prospective student, a current member of our community, or an industry partner, we invite you to join us on this journey of discovery and growth.

At Keystone, we believe in offering more than just technical education; we believe in nurturing well-rounded engineers equipped to tackle the challenges of the 21st century. That's why we are proud to introduce our Engineering Plus Program, an interdisciplinary initiative designed to complement our core engineering curriculum with essential skills in communication, leadership, entrepreneurship, and sustainability.

The Keystone Industry Mentorship Program is a dynamic initiative aimed at bridging the gap between academia and industry by providing students with invaluable guidance, insights, and networking opportunities from seasoned professionals in their respective fields.



ENGINEERING SCIENCES DEPARTMENT



Prof. Tushar Shinde
HOD
Engineering Sciences Department
Keystone School of Engineering , Pune

From HOD Desk

At the threshold of their engineering journey, students stand not just on the brink of a professional career, but at the beginning of a transformation—intellectually, personally, and socially. As the Head of the First Year Engineering Department, it is both my responsibility and privilege to nurture this foundation with vision, purpose, and care.

Our department is committed to creating a learner-centric environment where curiosity is encouraged, innovation is celebrated, and discipline is respected. We believe that the first year is not merely about academics, but about instilling confidence, resilience, and a mindset that embraces lifelong learning.

With a dedicated team of faculty members, modern teaching methodologies, and strong mentoring practices, we strive to make every student feel guided, inspired, and empowered. To our students: Dream boldly. Work relentlessly. Grow fearlessly. You are not just preparing for exams—you are preparing for life. And we are here, every step of the way, to walk with you, guide you, and cheer you on.

Let's build not just engineers, but leaders of tomorrow - rooted in values and driven by vision.



ENGINEERING SCIENCES DEPARTMENT

Department Statistics

Student Strength - Academic Year 2025- 26

Total Number of Students

520

Laboratories

- Programming Laboratory
- Engineering Chemistry Laboratory
- Engineering Physics Laboratory
- Electrical Engineering Laboratory
- Electronics Engineering Laboratory

Faculty Strength

Total Number of Qualified Faculties

18

AE 2025-26

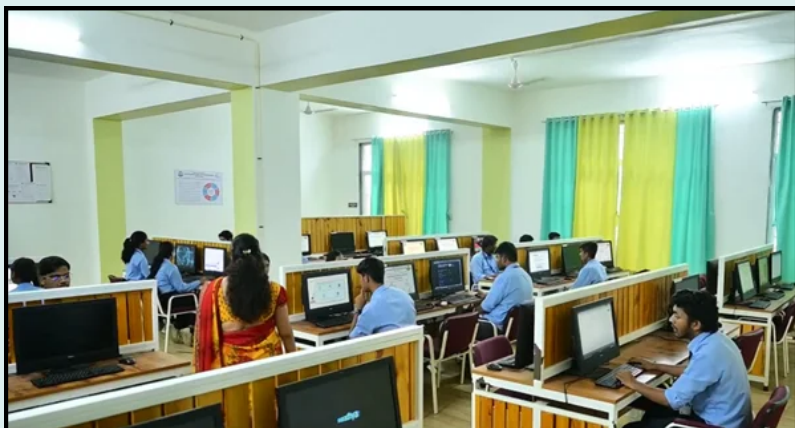
VOL 1 | ISSUE 1

DEPARTMENT NEWSLETTER



ENGINEERING SCIENCES DEPARTMENT

Department Laboratories



Programming Laboratory



Manufacturing Workshop



Electrical Engineering Laboratory



Engineering Chemistry Laboratory



Engineering Physics Laboratory



Electronics Engineering Laboratory



ENGINEERING SCIENCES DEPARTMENT

Department at Glance

SR.NO.	NAME OF FACULTY	DESIGNATION & QUALIFICATION	TOTAL EXPERIENCE
1	Prof. Tushar Shinde	Head of Department Ph.D* (Mechatronics) M.Tech (Mechanical)	15 Years
2	Prof. Suyog Walimbe	Assistant Professor Ph.D* (Physics), M.Sc. Physics	19 Years
3	Prof. Sheetal Laxman Mane	Assistant Professor M.Sc. (Mathematics), SET	19 Years
4	Prof. Manjusha Mishra	Assistant Professor M.E. (Electrical Engineering)	17 Years
5	Prof. Vanita Liman	Assistant Professor M.Sc. (Pure Mathematics)	17 Years
6	Prof. Sushma Lakade	Assistant Professor M.Sc. (Pure Mathematics)	17 Years
7	Prof. Ajay Ingale	Assistant Professor M.Tech (Thermal Engineering)	16 Years
8	Prof. Swati Paneri	Assistant Professor Ph.D* (Computer), ME (Computer Engineering)	15 Years
9	Prof. Vaibhav Jadhav	Assistant Professor M.E. (Electrical Engineering)	15 Years



ENGINEERING SCIENCES DEPARTMENT

Department at Glance

SR.NO.	NAME OF FACULTY	DESIGNATION & QUALIFICATION	TOTAL EXPERIENCE
9	Prof. Nilofer Sayyed	Assistant Professor M.Sc. (Pure Mathematics), SET	12 Years
10	Prof. Ankita Jhudele	Assistant Professor M.E. (Power Electronics)	11 Years
11	Prof. Gouri K. Mane	Assistant Professor M.E. (Computer Engineering)	10 Years
13	Prof. Sayli Pawar	Assistant Professor M.Sc. (Chemistry), B.Ed	8 Years
14	Prof. Snehal Darekar	Assistant Professor Ph.D* (Mechanical), M.E. (Design)	7 Years
15	Prof. Amol Autade	Assistant Professor Ph.D* (Civil), M.E. (Structures)	7 Years
16	Prof. Kirti Gavhane	Assistant Professor M.Sc. (Mathematics), B.Ed. SET	7 Years
17	Prof. Supriya Kadam	Assistant Professor M.Sc. (Organic Chemistry)	5 Years
18	Prof. Minakshi Devakar	Assistant Professor M.Sc. Physics (Material Science)	4 Years

AE 2025-26

VOL 1 | ISSUE 1

DEPARTMENT NEWSLETTER



ENGINEERING SCIENCES DEPARTMENT

Department Activities

ASCENT 2025 – First Year Engineering Induction Program



The primary aim of the ASCENT 2025 induction program was to warmly welcome the newly admitted First Year Engineering students, introduce them to the academic environment, departmental structure, code of conduct, and overall ethos of Keystone School of Engineering. The program also aimed to bridge the gap between school and professional college life while guiding students toward career opportunities in various engineering branches.

The ASCENT 2025 successfully marked the beginning of the academic journey for first-year students. It provided clarity about departmental goals, institutional values, and career pathways. The enthusiasm of students, active participation of parents, and insightful guidance from faculty made the event highly engaging and inspiring.





ENGINEERING SCIENCES DEPARTMENT

Department Activity

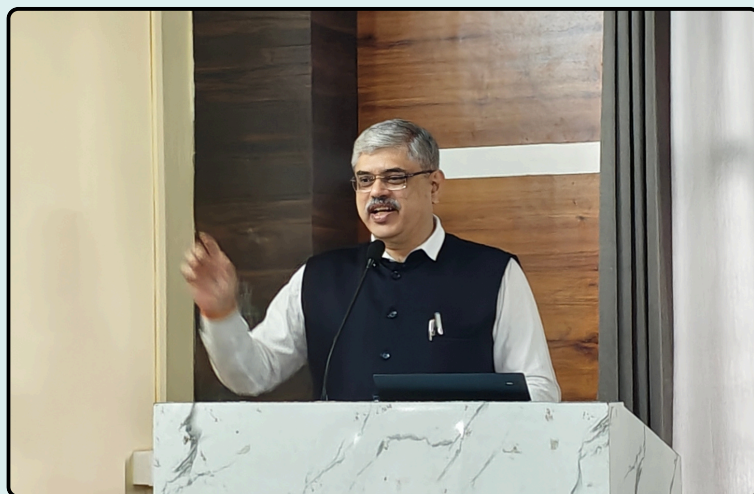
Expert Session

Session Topic:

“Guidance on innovation, Integrity & Emerging Technologies, Aligned with the spirit of NEP 2020”

Expert Speaker

Dr. Parag Kalkar
(Pro-Vice Chancellor SPPU)



Dr. Kalkar began his address by highlighting the core philosophy of the National Education Policy (NEP) 2020, emphasizing its focus on innovation-driven learning, multidisciplinary education, and value-based growth. He elaborated on how emerging technologies such as Artificial Intelligence, Data Science, and Sustainable Energy Systems are transforming industries and how educational institutions must align with these advancements to nurture future-ready professionals.

He also spoke passionately about the importance of academic integrity, ethical innovation, and research honesty, encouraging students to combine creativity with responsibility. Through real-world examples and inspiring anecdotes from academia and industry, Dr. Kalkar urged young engineers to adopt a problem-solving mindset and contribute towards nation.



ENGINEERING SCIENCES DEPARTMENT

Department Activity

Expert Session

Session Topic:

**“Training and Placement Facilities
& Role of Student”**

Expert Speaker

Mr. Vithoba Kumawat
Professor & Renowned lifestyle coach



An energising and transformative session titled “Transform Your Mindset and Uplift Your Energy” was masterfully conducted by Mr. Vithoba Kumawat, a renowned lifestyle coach, at the vibrant KSE Amphitheatre. The session was designed to empower participants by focusing on the development of a positive mindset, fostering emotional balance, and encouraging personal growth through self-awareness and disciplined daily habits.

Mr. Kumawat's dynamic approach created an inspiring and immersive atmosphere. He personally set up a sophisticated background music system, accompanied by a classical music assistant, which added a unique and uplifting dimension to the event. The harmonious blend of music with mindfulness practices and life coaching techniques captivated the audience, making the session both memorable and impactful. Throughout the session, Mr. Kumawat encouraged students to cultivate optimism, effectively manage stress, and channel their inner energy towards achieving both personal and professional aspirations. His interactive activities, combined with the soothing musical ambiance, motivated attendees to embrace positive transformation in their lives. The session was not only informative but also deeply engaging, leaving participants inspired to adopt new strategies for self-improvement and to pursue their goals with renewed enthusiasm and confidence.



ENGINEERING SCIENCES DEPARTMENT

Department Activity

Expert Session

Session Topic:

“Reconnect your body, mind and through the calmness of yoga”

Expert Speaker

Ms. Pranjali Fadnavis
Expert yoga trainer



The session aimed to promote physical well-being, mental balance, and emotional harmony among students and faculty. The event was graced by Ms. Pranjali Fadnavis, an expert yoga trainer known for her holistic approach to health and mindfulness practices.

The session began with a brief introduction to the significance of yoga in modern-day lifestyles, emphasizing how it helps reduce stress and enhance concentration. Ms. Fadnavis highlighted the importance of synchronizing breath and body movements to achieve inner calm. Participants were guided through various asanas such as Tadasana, Vrikshasana, Bhujangasana, and Shavasana, focusing on posture correction and breathing techniques. Her clear instructions and calm demeanour created a peaceful atmosphere, allowing everyone to connect deeply with the practice.

In the latter part of the session, Ms. Fadnavis led a guided meditation and relaxation exercise, helping participants experience mindfulness and tranquility. She also shared simple daily yoga routines that could be incorporated into busy schedules to maintain fitness and mental clarity. The participants actively engaged in the session and expressed a sense of refreshment and positivity afterward.



ENGINEERING SCIENCES DEPARTMENT

Department Activity

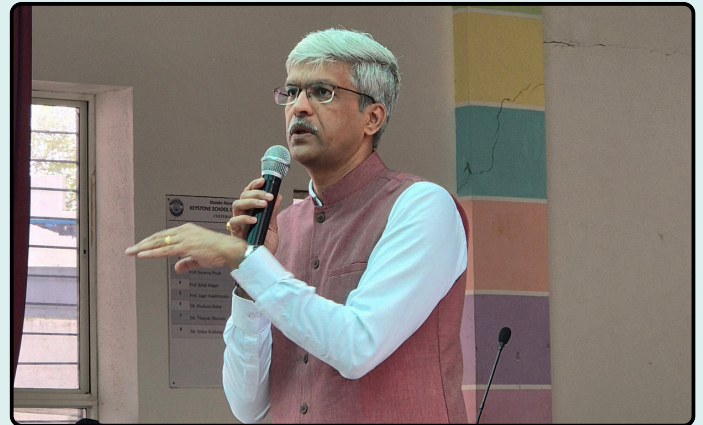
Expert Session

Session Topic:

**“Global IT Industry Requirement
and Opportunities”**

Expert Speaker

Mr. Shrikant Sarda
Managing Director of Accenture Technologies



The session was conducted by Mr. Shrikant Sarda, Managing Director of Accenture Technologies, who shared his valuable knowledge and vast industry experience with the students.

Mr. Sarda highlighted the current trends and future demands of the global IT sector, emphasising the importance of technical proficiency, adaptability, and continuous learning. He discussed the essential skills sought by multinational companies, such as problem-solving, data-driven thinking, cloud technologies, artificial intelligence, and teamwork in a global environment.

He also guided students on how to align their academic journey with industry expectations, encouraging them to strengthen both their technical and soft skills. Through real-world examples from Accenture and other leading firms, he provided a clear understanding of how innovation and digital transformation are reshaping the IT landscape.

The session concluded with an engaging Q&A interaction, where students asked insightful questions about career growth, internships, and global opportunities. The event proved to be highly motivational and career-oriented, offering students a glimpse into the professional world beyond academics.



ENGINEERING SCIENCES DEPARTMENT

Department Activity

Expert Session

Session Topic:

**“Cyber crime & career opportunities
in cyber security”**

Expert Speaker

Advocate Vaibhav Salunkhe
Legal expert and cyber law specialist



The session was conducted by Adv. Vaibhav Salunkhe, a noted legal expert and cyber law specialist. Adv. Salunkhe delivered the session in a lively, humorous, and engaging manner, keeping the audience thoroughly involved. He shared real-life examples of cyber crimes to help students understand the seriousness and growing impact of online threats in today's digital world. His comic storytelling style made complex legal and technical concepts easy to grasp and memorable. He also discussed various career paths in the field of cyber security, highlighting the need for ethical hackers, forensic analysts, and legal experts to tackle emerging cyber challenges. Through his session, students gained awareness about safe online practices, data privacy, and the importance of cyber ethics. The session was both educational and entertaining, leaving students inspired to explore the fast-growing domain of cyber security. The event concluded with a vote of thanks to Adv. Vaibhav Salunkhe for his informative and joyful presentation that blended learning with laughter.



ENGINEERING SCIENCES DEPARTMENT

Department Activity

Expert Session

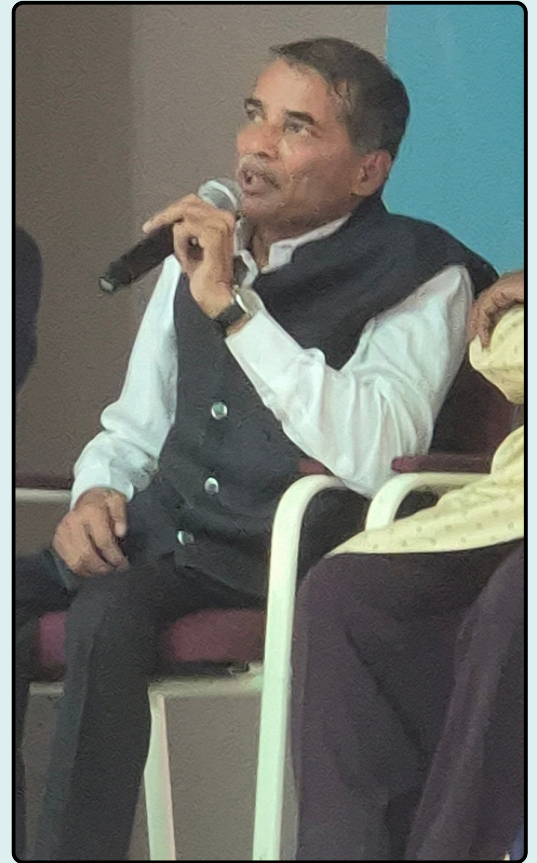
Session Topic:

“Journey towards successful Entrepreneurship”

Expert Speaker

Dr. Rajendra Hiremath

Chairman of COEP's Bhau Institute of Innovation



Dr. Hiremath began the session by narrating his own entrepreneurial journey and the challenges he faced while establishing his ventures. He emphasized that entrepreneurship is not merely about starting a business, but about identifying a problem and innovatively providing solutions that create value for society. His speech beautifully captured the essence of risk-taking, resilience, and leadership required to sustain and succeed in the business world.

He also explained the crucial role of technology, innovation, and teamwork in modern entrepreneurship. With engaging anecdotes and real-life examples, Dr. Hiremath motivated students to convert their ideas into impactful start-ups. He encouraged them to make use of incubation centers, government schemes, and institutional support systems like COEP's Bhau Institute to nurture their entrepreneurial dreams.

Throughout the session, Dr. Hiremath interacted actively with students, answering their questions about business funding, idea validation, and overcoming failure. The audience was highly inspired by his words, and many students expressed interest in exploring entrepreneurship as a career path.



ENGINEERING SCIENCES DEPARTMENT

Department Activity

Expert Session

Session Topic:

“AI Skills for Engineering Graduates”

Expert Speaker

Dr. Deepak Shikarpur

Technocrat, author & motivational speaker



The session on “AI Skills for Engineering Graduates” was conducted by Dr. Deepak Shikarpur, a renowned technocrat, author, and motivational speaker, who shared his deep insights into the emerging world of Artificial Intelligence and its applications in various engineering domains.

Dr. Shikarpur emphasised how AI is transforming industries and how engineering graduates can equip themselves with essential AI-driven skills such as data analysis, machine learning, and automation. He motivated students to develop problem-solving and analytical thinking abilities, which are crucial for adapting to the rapidly evolving technological landscape.

He also discussed real-world examples of AI applications in sectors like healthcare, manufacturing, and transportation, and encouraged students to engage in hands-on learning through projects and online certification courses.

The event was highly interactive and inspiring, leaving students with a clear understanding of the importance of AI literacy and its potential to shape their future careers in engineering and technology.



ENGINEERING SCIENCES DEPARTMENT

Department Activity

Expert Session

Session Topic:

“Government of Maharashtra initiative for Engineering Employment”

Expert Speaker

Mr. Sandeep Rokde

Distinguished Technocrat & advisor



The seminar on “Government of Maharashtra Initiative for Engineering Employment” was conducted by Mr Sandeep Rokde, a distinguished technocrat and advisor known for his contribution to technology awareness and youth empowerment.

During the session, Mr Rokde enlightened students about various employment and entrepreneurship programs launched by the Government of Maharashtra to support engineering graduates. He explained different schemes, skill development platforms, and government-supported startup initiatives that help young engineers build sustainable careers.

He also emphasized the importance of continuous learning, industry-relevant skill enhancement, and active participation in innovation-driven programs like Maharashtra State Innovation Society and Skill India Mission. His talk inspired students to explore government resources and utilize them effectively for professional growth and self-employment opportunities.

The session was highly informative and motivational, helping students understand how to align their technical knowledge with real-world career opportunities facilitated by government initiatives.



ENGINEERING SCIENCES DEPARTMENT

Social Outreach

Expert Session by Miss. Priyanka Huske

Session Topic:

A seminar on women's empowerment and hygiene.



A seminar on Women's Empowerment and Hygiene was successfully conducted with the objective of creating awareness about personal hygiene, menstrual health, and the importance of empowering women through education and informed health practices. The seminar emphasized that good health and hygiene are essential for women's confidence, dignity, and active participation in society.

The session began with an awareness talk by health experts, highlighting the importance of menstrual hygiene, reproductive health, balanced nutrition, and sanitation. Common myths and misconceptions related to menstrual health were discussed and clarified, encouraging participants to speak openly about these important issues.

Interactive activities and discussions were organized to address participants' questions and concerns regarding personal hygiene and adolescent health. The seminar also included guidance on simple yoga postures, breathing exercises, and healthy lifestyle practices that help improve physical and mental well-being.

As part of the awareness initiative, essential hygiene products were distributed to the participants, reinforcing the importance of maintaining proper hygiene and promoting healthy habits.

The seminar concluded with an inspiring message encouraging women to prioritize their health, continue learning, and become confident contributors to their families and society. The program was highly informative, successfully promoting awareness about women's empowerment, hygiene, and holistic well-being.



ENGINEERING SCIENCES DEPARTMENT

Social Outreach

Blood Donation Activity



The First Year Engineering Department wholeheartedly participated in a Blood Donation Camp to promote awareness about voluntary blood donation and encourage social responsibility among students, faculty, and staff. The camp was conducted in collaboration with a recognized blood bank under the supervision of qualified medical professionals.

Before donation, all volunteers underwent health screening, including hemoglobin and blood pressure checks, to ensure safe participation. The blood collection process was carried out following all medical and hygiene protocols.

The camp received an enthusiastic response, with many students and faculty members voluntarily donating blood. The initiative highlighted the importance of blood donation in saving lives and inspired participants to contribute towards the welfare of society.

The event concluded successfully with appreciation for all donors and organizers, reinforcing the values of compassion, humanity, and community service among the students.



ENGINEERING SCIENCES DEPARTMENT

Department Activity

Fun Filled Zumba Activity

Session Topic:

“Get Ready To Groove, sweat, and Energize with fun-filled Zumba session”

Expert:

Ms Nikita Patil
Professional Zumba instructor & lifestyle Coach



The event aimed to promote physical fitness, stress relief, and positive energy among students and staff through the power of dance and movement. The session was conducted by Ms Nikita Patil, a professional Zumba instructor known for her dynamic routines and engaging teaching style.

The session began with a short warm-up followed by an introduction from Ms Patil, who encouraged everyone to let go of their inhibitions and enjoy the rhythm of the music. She guided the participants through a series of high-energy dance moves set to upbeat music, combining elements of fitness and fun. The atmosphere at the amphitheatre quickly turned vibrant as students enthusiastically followed the choreography, smiling and dancing their hearts out.

Throughout the session, Ms. Patil ensured that every participant stayed motivated and comfortable, offering simple variations for beginners and challenging steps for advanced participants. Her enthusiasm and lively energy kept the crowd fully engaged. The Zumba workout not only helped everyone break a sweat but also lifted their spirits, leaving them feeling recharged and refreshed.

The event concluded with a cool-down routine and stretching exercises to relax the muscles. Participants expressed great satisfaction and joy, appreciating the opportunity to de-stress while staying active. The session successfully achieved its goal of spreading positivity and promoting a healthy lifestyle through movement and music. It was truly a memorable and invigorating experience for all who attended.



ENGINEERING SCIENCES DEPARTMENT

Department Activity

Poster Presentation & Project Exhibition



The Project Exhibition on Design Thinking Projects and Poster Presentation on Artificial Intelligence (AI) was successfully organized to encourage innovation, creativity, and technical learning among students. The event provided a platform for students to showcase their problem-solving abilities by applying the principles of design thinking and presenting emerging AI concepts through informative posters.

Students exhibited a variety of design thinking projects that addressed real-world challenges in areas such as healthcare, education, environmental sustainability, smart living, and community welfare. The projects reflected the stages of design thinking, including empathizing with users, defining problems, ideating solutions, developing prototypes, and testing innovative concepts. The exhibition promoted teamwork, creativity, critical thinking, and practical application of engineering knowledge.

Alongside the project exhibition, a Poster Presentation on Artificial Intelligence was conducted to increase awareness of the latest developments and applications of AI. Students presented posters on topics including Machine Learning, Deep Learning, Generative AI, Computer Vision, Natural Language Processing, Robotics, AI in Healthcare, Smart Cities, Cybersecurity, and Ethical AI. The presentations encouraged technical discussions and enhanced participants' understanding of AI's growing impact across various industries.

Faculty members and experts evaluated the projects and posters based on innovation, technical content, presentation skills, feasibility, and societal relevance. The interactive sessions enabled students to exchange ideas, receive constructive feedback, and develop confidence in presenting their work.

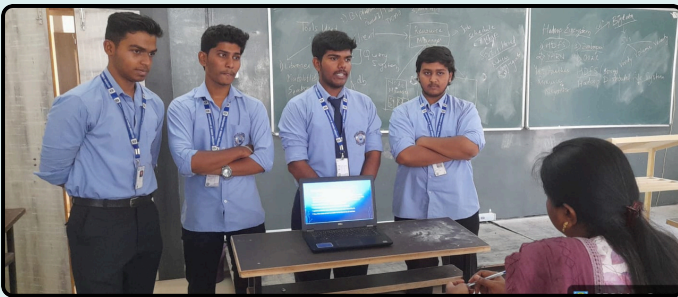




ENGINEERING SCIENCES DEPARTMENT

Department Activity

Mathematical Applications Showcase

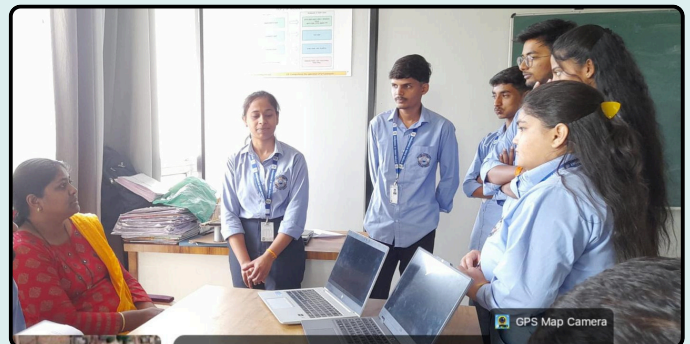


The First Year Engineering Department of Keystone School of Engineering successfully organized "Mathematics in Action: Applied Mathematics & Engineering Models Exhibition" to showcase the practical applications of mathematics in engineering and everyday life. The exhibition provided an excellent platform for students to transform theoretical mathematical concepts into innovative working models and informative presentations. Students enthusiastically participated by presenting projects based on topics such as mathematical modeling, optimization techniques, probability and statistics, cryptography, geometry in engineering, calculus applications, graph theory, data analysis, and numerical methods. The exhibits demonstrated how mathematics serves as the foundation for solving real-world engineering problems and developing modern technological solutions.

Faculty members evaluated the projects based on creativity, technical accuracy, practical relevance, presentation skills, and teamwork. The exhibition encouraged students to think critically, apply mathematical concepts beyond textbooks, and develop analytical and problem-solving abilities.

The event attracted students and faculty from various departments, fostering interdisciplinary learning and appreciation for the role of mathematics in engineering, science, and technology. Visitors appreciated the innovative ideas and the efforts of the participants in presenting complex mathematical concepts in a simple and engaging manner.

The exhibition concluded with the recognition of outstanding projects for their originality, innovation, and practical applicability. Overall, the event proved to be an enriching academic experience that inspired students to explore mathematics as a powerful tool for engineering innovation and lifelong learning.





ENGINEERING SCIENCES DEPARTMENT

ACADEMIC TOPPERS



ASHISH CHAVAN

9.91



ISHWARI KAKADE

9.86



SANGRAM RANAWARE

9.82



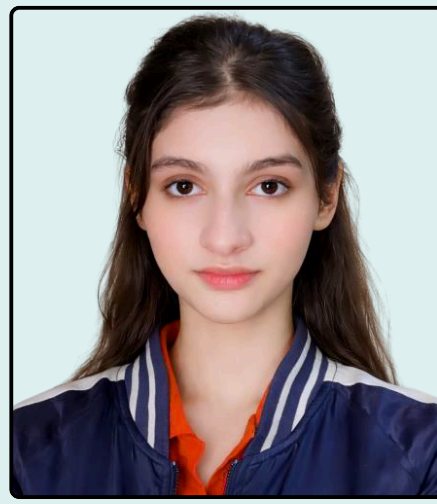
ARYAN MOHITE

9.82



ANUSHKA GAIKWAD

9.82



SWALEHA SHAIKH

9.82

AE 2025-26

VOL 1 | ISSUE 1

DEPARTMENT NEWSLETTER



ENGINEERING SCIENCES DEPARTMENT

FACULTY ACHIEVEMENTS

Prof. Swati Paneri

- 1 Research Paper Presented
- 1 Coursera Certification in Open Source LLMops
- Appointed as Subject Chairman in SPPU (Data Driven Business Analytics)
- 1 International Patent Filed

Savitribai Phule Pune University
Formerly University Of Pune

Phone : 020-25621440/25621447
Fax : 020-25621441
Email : ar.coordination@pun.unipune.ac.in
Web : http://www.unipune.ac.in

CO-ORDINATION SECTION
Ganeshkhind, Pune - 411 007
Maharashtra (INDIA)

First half of the year, 2026

02/06/2026 05:00

26060200002

Paneri Swati Ankit
Shalaka Foundation keystone school of Engineering Addr: Handewadi/Uruli Devachi Pune Ta: Pune (corporation Area) Dist: Pune
Mobile No. : 8657419928 Email : swatishpaneri@gmail.com

Sir/ Madam,

1. The University Authorities have been pleased to appoint you for the Chairman, in the subject of :-

Post Name	Examination	Paper / Subject	Chairman	Important Dates
Chairman	BE 2019 (Endsem)	(Elective-V) Data Driven Business Analytics (Open Elective-I) Paper-(Elective-V) Data Driven Business Analytics (Open Elective-I) (410252 E) , (2019 Pattern) Sem VIII Business Analytics (Open Elective-I) (410252 E) , (Theory) 3 Question Paper Sets Compulsory. Please submit the question paper sets before 5th June 2026	Paneri Swati Ankit Shalaka Foundation keystone school of Engineering Addr: Handewadi/Uruli Devachi Pune Ta: Pune (corporation Area) Dist: Pune 8657419928	P.S. Meetings 27.05.26 To 29.05.26 Manuscript Submission 29.05.26

2. This appointment is based on certain assumptions and subject to respective provisions of Maharashtra Public Universities Act, 2016 and Statutes/ Ordinances, Rule and Regulations framed thereunder.

It shall be obligatory on every teacher and on the non-teaching employee of the University, affiliated, conducted colleges, community colleges or recognized institution to render necessary assistance and service in respect of examination of the university and evaluation of students as prescribed by statutes. If any teacher or non-teaching employee fails to comply with the order of the university or colleges or institution, in this respect, it shall be treated as misconduct and the employee shall be liable for disciplinary action in case of failure on the part of the teacher or non-teaching employee of any affiliated college, conducted college, community college or recognized institution, to comply with the order of the university in this respect, the vice-chancellor shall have power to take an appropriate action against them, which may include imposing penalties including suspension of approval to the appointment of a teacher, as may be prescribed by Statutes.

3. Please put yourself in communication with your Chairman immediately in regard to the meeting of the paper setting.

4. If required, you will be called by the Director, Central Assessment Programme for Central Assessment.

5. Please intimate the Director, Board of Examination and Evaluation, Savitribai Phule Pune University, Ganeshkhind, Pune 411 007, in case you are holding the other appointments of this University, if any.

6. Any change in the address, phone no., email address etc may please be communicated to both, the Chairman and the Co-ordination Section, Examination Branch, Savitribai Phule Pune University, Ganeshkhind, Pune-7.

7. The TA/DA will be paid only to those paper-setters who will attend the meeting of the paper-setters on the invitation from the concerned chairman. Travel by car for attending meeting is not allowed.

8. Please read and adhere to the enclosed important instructions.

9. The chairman should produce his order while submitting question papers to strong room section.

THIS IS A COMPUTER-GENERATED DOCUMENT AND IT DOES NOT REQUIRE A SIGNATURE. THIS DOCUMENT SHALL NOT BE INVALIDATED SOLELY ON THE GROUND THAT IT IS NOT SIGNED.

6/4/2026 10:19:08 AM

Pune Vidyarthi Griha's College of Engineering & Shrikrushna S. Dhamankar Institute of Management, Nashik

In Association with,

Organized

"2nd International Conference on Recent Advances in Technology & Management (ICRATM-2026)"
29th - 30th April 2026

Certificate

This is to certify that Dr./Prof./Mr./Mrs. Swati Paneri has presented a research paper on *AgriSense: An AI-Based Smart Agriculture Web Platform for Crop Disease Analysis and Decision Support* in "2nd International Conference on Recent Advances in Technology & Management (ICRATM-2026)" held on 29th-30th April 2026 organized at Pune Vidyarthi Griha's College of Engineering & Shrikrushna S. Dhamankar Institute of Management, Nashik.

Our Sponsors

Duke University

May 4, 2026

Swati Paneri

has successfully completed

Open Source LLMops Solutions

an online course authorized by Duke University and offered through Coursera.

COURSE CERTIFICATE

coursera

Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade
Ministry of Commerce & Industry,
Government of India

INTELLECTUAL PROPERTY INDIA
BIOINNOVATION INDIA

Application Details

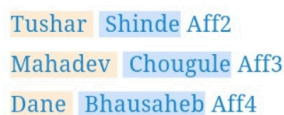
APPLICATION NUMBER	20241014995
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	11/02/2026
APPLICANT NAME	1. Dr. N. Gopinath 2. Swati Paneri 3. Sandesh Barapatre 4. Deepak Bajrao Misal 5. Ankit Paneri
TITLE OF INVENTION	AN INTELLIGENT IOT SYSTEM FOR REAL-TIME STRUCTURAL HEALTH MONITORING USING ARTIFICIAL INTELLIGENCE
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	
ADDITIONAL EMAIL (As Per Record)	
E-MAIL (Updated Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (JUS 11A)	03/04/2026

Application Status



Prof. Tushar Shinde

- # Smart water purification for domestic environments: AI-driven dual filtration with multilingual voice-assisted interaction



Aff2 Keystone School of Engineering, Pune, 411038, India



Licensee:	Electronics Research Institute	(the 'Licensee')
Journal Name:	Journal of Electrical Systems and Information Technology	(the 'Journal')
Manuscript Number:	JESI-D-25-00309R2	
Proposed Title of Article:	Smart water purification for domestic environments: AI-driven dual filtration with multilingual voice-assisted interaction	(the 'Article')
Author(s) [Please list all named Author(s)]:	Tushar Shinde, Mahadev Chougale	(the 'Author')
Corresponding Author Name:	Dane Bhausaheb Tushar Shinde	

Licence Applicable to the Article:

Creative Commons licence CC BY: This licence permits use, duplication, adaptation, distribution and reproduction in any medium or format, as long as appropriate credit is given to the original author(s) and the source, a link is provided to the Creative Commons licence, and any changes made are indicated. Please read the full licence for further details at: <http://creativecommons.org/licenses/by/4.0/>.
Subject to editorial acceptance of the Article, it will be published under the Creative Commons licence shown above.

1. Grant of Rights

- a) For good and valuable consideration, the Author hereby grants to the Licensee the perpetual, non-exclusive, irrevocable, worldwide, assignable, sublicensable and unlimited right to: publish, reproduce, copy, distribute, communicate, display publicly, sell, rent and/or otherwise make available the article identified above, including any supplementary information and graphic elements therein (e.g. illustrations, charts, moving images) (the "Article") in any language, in any versions or editions in any and all forms and/or media of expression (including without limitation in connection with any and all end-user devices), whether now known or developed in the future. Without limitation, the above grant includes: i) the right to edit, adapt, adjust



ENGINEERING SCIENCES DEPARTMENT

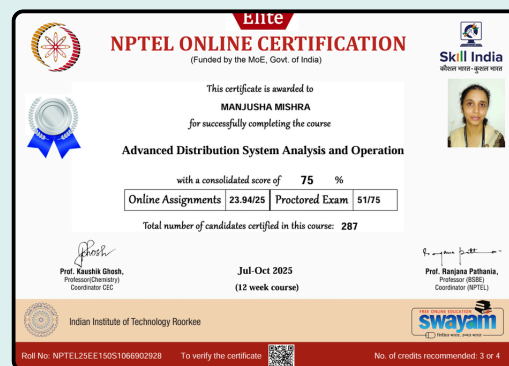
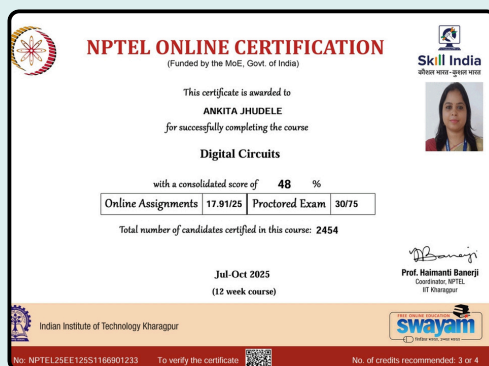
FACULTY ACHIEVEMENTS

Prof. Ankita Jhudele

- 1 NPTEL CERTIFICATION
- 1 PAPER PUBLISHED (IJSREM)

Prof. Manjusha Mishra

1 NPTEL CERTIFICATION



Prof. Gouri Mane

- 1 ATAL CERTIFICATION
- 1 PAPER PUBLISHED (IJSREM)

Prof. Sheetal Mane

• 1 NPTEL CERTIFICATION



AE 2025-26

VOL 1 | ISSUE 1

DEPARTMENT NEWSLETTER

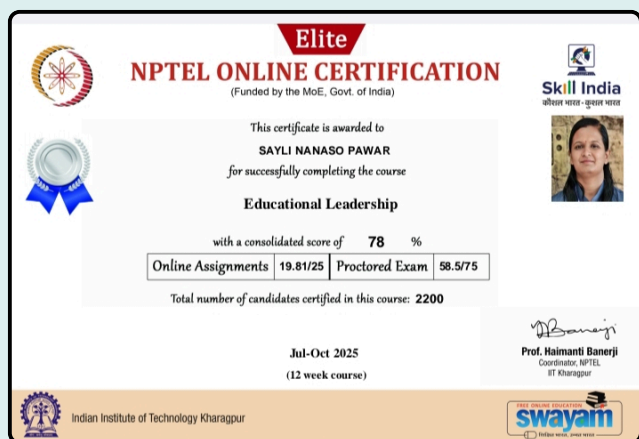


ENGINEERING SCIENCES DEPARTMENT

FACULTY ACHIEVEMENTS

Prof. Sayali Pawar

1 NPTEL CERTIFICATION



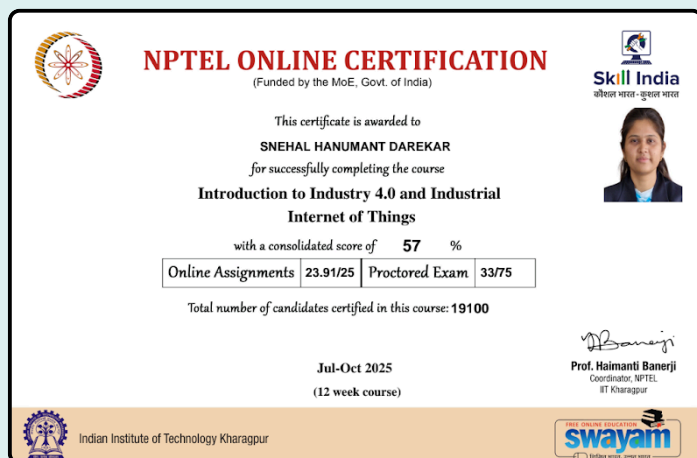
Prof. Suyog Walimbe

1 ATAL CERTIFICATION



Prof. Snehal Darekar

2 NPTEL CERTIFICATION



AE 2025-26

VOL 1 | ISSUE 1

DEPARTMENT NEWSLETTER



ENGINEERING SCIENCES DEPARTMENT

STUDENT ACHIEVEMENTS

Aatif Shaikh Certifications



Deepak Gore Cineclash Runner UP Gravity 2k26



Ved Porwal Tesseract 2k26 Winner



AE 2025-26

VOL 1 | ISSUE 1

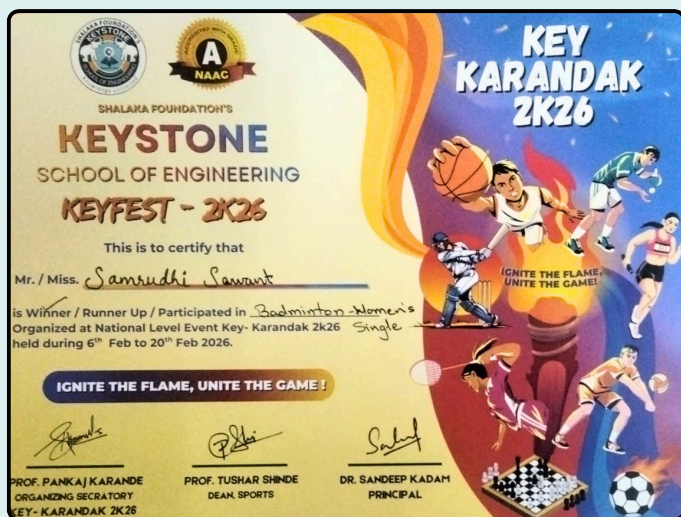
DEPARTMENT NEWSLETTER



ENGINEERING SCIENCES DEPARTMENT

STUDENT ACHIEVEMENTS

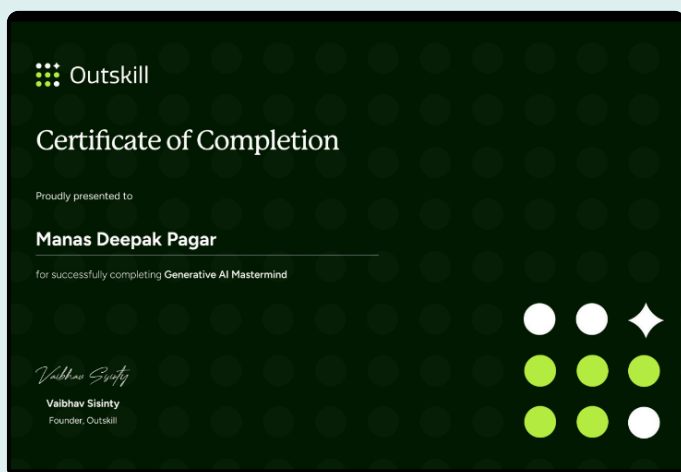
Samruddhi Sawant
Keyfest 2k26 Winner



Ankita Panchal
Skillup Certification



Manas Pagar
Outskill Certification



Palak Pundkar
Skillup Certification



AE 2025-26

VOL 1 | ISSUE 1

DEPARTMENT NEWSLETTER



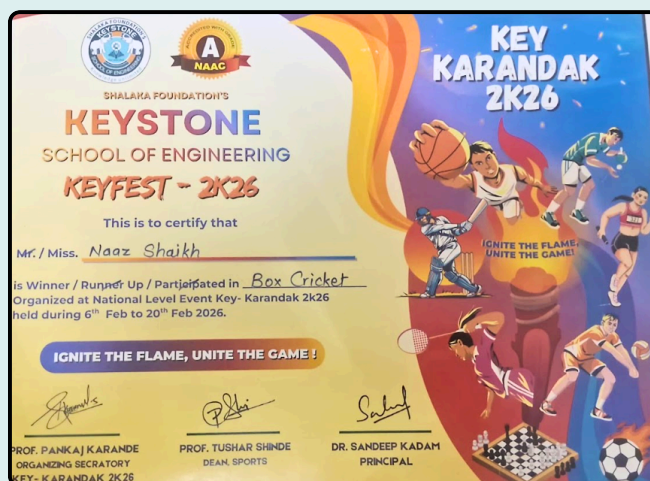
ENGINEERING SCIENCES DEPARTMENT

STUDENT ACHIEVEMENTS

Yashasvi Rane
Skillup Certification



Naaz Shaikh
Keyfest 2k26 Box Cricket Winner



Samruddhi Sawant
Key-karandak Badminton winner



Pragati Jagtap
Keyfest 2k26 Sketching Winner





ENGINEERING SCIENCES DEPARTMENT



Prof. Swati Paneri
Associate HOD & Editor,
Engineering Sciences Department

Keystone School of Engineering, Pune

FROM THE EDITOR'S DESK

Dear Readers,

Welcome to the latest edition of the Engineering Sciences Department Newsletter. It is a privilege to present this publication, which highlights the academic, technical, co-curricular, and extracurricular achievements of our department.

The Engineering Sciences Department serves as the foundation of engineering education by nurturing first-year students with strong scientific principles, analytical thinking, and professional values. Through innovative teaching, laboratory learning, student-centric activities, research initiatives, and various departmental events, we strive to create an environment that encourages excellence and lifelong learning.

This newsletter captures the dedication and accomplishments of our students and faculty, reflecting the vibrant culture of our department. It stands as a record of our continuous efforts toward academic excellence, innovation, and holistic development.

I sincerely thank all the contributors, faculty members, students, and the editorial team for their valuable support in making this edition a reality. I hope you enjoy reading it and find inspiration in the many achievements and initiatives showcased within these pages.

Your valuable suggestions and feedback are always welcome as we continue our journey of growth and excellence.

Happy Reading!

AE 2025-26

VOL 1 | ISSUE 1

DEPARTMENT NEWSLETTER