



AI & DS NEWSLETTER

CYBERNETICS



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE



AI & DS NEWSLETTER

ABOUT INSTITUTE



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About

Keystone School of Engineering, located in Pune, is a premier institution known for its dedication to excellence in engineering education accredited with "A" grade by National Assessment and Accreditation Council, approved by AICTE, New Delhi, DTE Maharashtra and affiliated Savitribai Phule Pune University. In the Outlook-ICARE 2026 rankings, Keystone School of Engineering is ranked 93rd in the "Engineering (Private)" category. Keystone School of Engineering in Pune, India is ranked 110th in the Times of India's 2026 B.E. / B.Tech. category. It is also ranked 13th among the Times-ranked colleges in Pune in 2026. This ranking reflects the school's performance in areas such as teaching, research, graduation outcomes, and creating a quality learning environment. Established with a vision to nurture future leaders in the field of engineering, Keystone stands out for its rigorous academic programs, state-of-the-art facilities, and commitment to holistic development.

One of the distinguishing features of Keystone School of Engineering is its faculty. Comprised of seasoned educators and industry experts, the faculty brings a wealth of knowledge and experience to the classroom. They not only impart theoretical knowledge but also provide practical insights derived from real-world scenarios, ensuring that students are well-prepared to tackle the challenges of the professional world.

Hands-on learning is emphasized at Keystone, with ample opportunities for students to engage in practical projects, internships, and industry collaborations. These experiences not only reinforce classroom learning but also provide students with valuable exposure to real-world engineering practices. Whether it's working on cutting-edge research projects or internships with leading companies, students at Keystone are encouraged to apply their knowledge in practical settings.



Institute Vision

“ To emerge as a world class knowledge centre producing professionals of high academic acumen, committed to professional ethics, integrity & meaningfully contributing to national development ”

Institute Mission

“ To achieve & uphold high academic and professional standards by providing quality education and training. ” “ To develop & encourage the originality, creativity, entrepreneurial spirit & professional leadership among the students. ” “ To create an environment conducive to academic growth & career development for all students so as to achieve excellence in their chosen field.” “ To respond to industry needs by offering curriculum relevant to changing needs of society & Industry. ” “ To instill in students the belief in equality, dignity & the value of every person. ” “To provide active student development programs, curricular & extra-curricular to foster student participation in social development & nation building. “ “ To create awareness in students about their obligation towards the society & the nation. ”



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ABOUT DEPARTMENT



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About Department

The Artificial Intelligence and Data Science Department at Keystone School of Engineering stands as a beacon of excellence in the areas of technological innovation and academic pursuit. The department was formally Established In 2023. Through cutting-edge research, rigorous academic programs, and a commitment to ethical leadership, we aim to empower our students to become leaders and innovators in the ever-evolving fields of AI and data science. Our curriculum is designed to equip students with a deep understanding of foundational concepts in AI and data science, while also providing hands-on experience with state-of-the-art tools and technologies. Through project- based learning, internships, and industry collaborations, we ensure that our students are well-prepared to tackle real-world challenges and make meaningful contributions to their fields.

Beside academic excellence, we are committed to providing our students with ample opportunities for professional development and career advancement. Through partnerships with leading technology providers, we offer global certifications in AI and data science, giving our students a competitive edge in the job market. Our industry mentoring program pairs students with seasoned professionals who provide guidance, support, and valuable insights into the field. Furthermore, our students benefit from industry exposure through guest lectures, workshops, and networking events, allowing them to connect with potential employers and gain firsthand knowledge of industry trends and best practices.

Along with academics and career preparation, our department offers a vibrant extracurricular program that includes club activities, hackathons, and competitions. These activities provide students with opportunities to collaborate, innovate, and build connections with their peers and industry professionals. The Artificial Intelligence and Data Science Department at Keystone School of Engineering is dedicated to providing students with a world-class education, state of-the-art facilities, and ample opportunities for professional and personal growth.



Department Vision

“ To be recognized as pioneering Engineer force in Artificial Intelligence and Data Science driving innovation, shaping the future of intelligence, technologies and empowering Engineers and to create Globally competent ethical engineer professionals for National development ”

Department Mission

“ Advancing Innovation: Our mission is to spearhead innovation in Artificial Intelligence (AI) and Data Science, by conducting pioneering research, developing state-of-the-art technologies, and fostering a culture of creativity and exploration. ” “ Shaping the Future: We are dedicated to shaping the future of intelligent technologies through strategic initiatives, thought leadership, and collaborative partnerships, driving the adoption of AI and Data Science solutions that address societal challenges and drive economic growth. ” “ Empowering Individuals: Our mission is to empower individuals with the knowledge, skills, and resources needed to excel in AI and Data Science, providing world-class education, training, mentorship, and professional development opportunities that cultivate globally competent and ethically responsible engineering professionals. ” “ National Development: We are committed to contributing to national development by nurturing a talent pool of highly skilled AI and Data Science professionals, driving innovation- led growth, and fostering a culture of excellence in research, education, and industry collaboration to advance the nation's technological capabilities and competitiveness on the global stage. ”

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From Director's Desk

Dear Students, Faculty, and Staff,

It is with immense pride that I welcome you to this edition of our Artificial Intelligence and Data Science department newsletter. As we move forward in this rapidly changing technological landscape, our department continues to be a beacon of innovation, excellence, and collaboration.

Artificial Intelligence and Data Science are not just subjects of study; they are transformative forces that are shaping the future of industries and society at large. Our students, researchers, and faculty members are at the cutting edge of this transformation, working on groundbreaking projects and pushing the boundaries of what is possible with data and intelligent systems.

This newsletter provides a platform to celebrate our collective achievements, showcase notable projects, and highlight the dynamic learning environment we foster here. Whether it's through research, internships, or collaborations,

our department is committed to equipping our students with the tools and experiences they need to thrive in this exciting field. As we look to the future, I encourage all of us— students, faculty, and staff—to continue striving for excellence, embracing challenges, and working together to contribute to the growing body of knowledge in AI and Data Science. Our work has the potential to impact not only the tech industry but society at large, and I am confident that together, we will continue to make a meaningful difference.

Thank you for your continued dedication and commitment to making our department a leader in Artificial Intelligence and Data Science education and research.

Warm regards,
Prof. Y. R. Soman

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From Principal's Desk

Dear Students, Faculty, and Staff,

It is with great pride and excitement that I extend my warm greetings to all of you in the Artificial Intelligence and Data Science department. As we continue to witness the rapid evolution of technology, it is clear that the fields of AI and Data Science are not only shaping the future of industries but also transforming the way we live and work.

Our department stands at the forefront of this technological revolution, empowering students with the knowledge, skills, and critical thinking necessary to excel in this dynamic field. The dedication of our faculty, combined with the enthusiasm and hard work of our students, is driving innovation and excellence within our programs.

This newsletter serves as a reflection of the remarkable achievements, ongoing research, and

future endeavors within our department. It highlights the accomplishments of both students and faculty, shares insights from recent advancements in AI and Data Science, and offers a glimpse into the exciting opportunities that lie ahead.

I encourage each of you to stay engaged, continue to push boundaries, and work together to create a meaningful impact on the world. Our collective efforts will not only contribute to technological progress but also to the betterment of society as a whole.

Let's continue to innovate, inspire, and lead in the realm of Artificial Intelligence and Data Science.

Warm regards,
Dr. Sandeep Kadam



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FROM HOD'S DESK



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From HOD's desk

It is with great pride that I address you from the helm of the Artificial Intelligence and Data Science Department at Keystone School of Engineering. Our department stands as a testament to the boundless possibilities of technological innovation and academic pursuit.

At the heart of our vision lies a commitment to pioneering advancements in AI and data science while fostering a community dedicated to societal progress. Through relentless research, rigorous academic programs, and ethical leadership, we strive to empower our students to become leaders and innovators in their respective fields.

Our mission is anchored in providing a holistic education that combines theoretical knowledge with practical skills. Our curriculum is meticulously crafted to instill a deep understanding of foundational concepts alongside hands-on experience with cutting-edge tools and technologies. Through project-based learning, internships, and industry collaborations, we ensure that our students are not only equipped to face real-world challenges but also poised to make significant contributions.

Moreover, our excellent facilities, including advanced computing labs and dedicated research spaces, provide students with the resources they need to push the boundaries of what is possible. In addition to academic prowess, we are committed to nurturing professional development and career advancement. Through partnerships with industry leaders, we offer global certifications and mentorship programs that give our students a competitive edge in the job market. Our vibrant extracurricular program complements our academic offerings, providing students with avenues to collaborate, innovate, and connect with peers and industry professionals alike.



The Artificial Intelligence and Data Science Department at Keystone School of Engineering is dedicated to providing a transformative education, state-of-the-art facilities, and myriad opportunities for personal and professional growth. Together, let us continue to uphold excellence and innovation as we shape the future of AI and data science.

Prof. Amrin R. Sheikh
Head of Department
Ph.D. Pursuing
M. Tech. (CSE)

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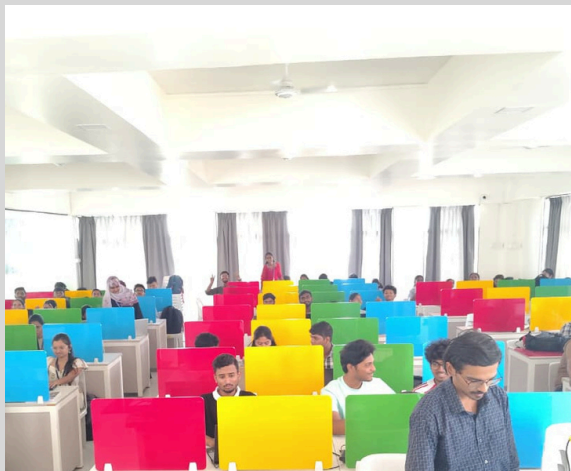
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Description

The Department of Artificial Intelligence and Data Science organized a workshop on Data Science for SE and TE AI&DS students. The session was conducted by Joel Silas, who shared valuable insights into Data Science concepts, industry applications, and career opportunities. The workshop helped students understand the importance of data-driven technologies and enhanced their knowledge of emerging trends in Artificial Intelligence and Data Science.

Sessions and Activities



The workshop included interactive sessions on the fundamentals of Data Science, data analysis, machine learning basics, and real-world industry applications. Joel Silas also discussed current industry trends, career opportunities, and essential technical skills required in the field of Artificial Intelligence and Data Science. Students actively participated in discussions and gained practical exposure to modern data-driven technologies and emerging trends in AI and Data Science.



Highlights

- Interactive workshop conducted by Joel Silas
- Introduction to Data Science concepts and applications
- Discussion on Machine Learning and AI technologies
- Insights into industry trends and career opportunities
- Active participation and interaction by SE and TE AI&DS students
- Enhanced understanding of real-world data-driven solutions



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EXPERT TALK: RESEARCH IN AI



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Overview

The Department of Artificial Intelligence and Data Science, Keystone School of Engineering, Pune, organized an Expert Talk on “Research in Artificial Intelligence” on 20 January 2026. The session, conducted by Dr. Milan Tuba and Dr. Sanjay Gour, provided valuable insights into current AI research trends, emerging technologies, and research opportunities. Through expert guidance and interactive discussions, participants gained a better understanding of the importance of research, innovation, and continuous learning in the rapidly evolving field of Artificial Intelligence.

Objectives

- To introduce students and faculty members to current research trends in Artificial Intelligence.
- To provide guidance on AI research methodologies and publication opportunities.
- To motivate students towards research-oriented careers and higher studies.
- To bridge the gap between academic learning and real-world AI research.
- To create awareness about emerging AI technologies and their societal impact.



Future Outlook and Challenges

Artificial Intelligence is expected to play a transformative role across industries, creating new opportunities in healthcare, finance, education, manufacturing, and smart systems. As AI technologies continue to evolve, there will be an increasing demand for skilled professionals, researchers, and innovators. However, challenges such as data privacy, ethical concerns, algorithmic bias, transparency, and the responsible use of AI remain critical areas of focus. Addressing these challenges through continuous research, collaboration, and ethical practices will be essential for ensuring the sustainable and beneficial growth of AI..

HANDS-ON TRAINING PROGRAM ON CLOUD COMPUTING

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Points Covered

- Fundamentals of Cloud Computing and its industry significance
- Cloud Service Models: IaaS, PaaS, and SaaS
- Cloud Deployment Models: Public, Private, & Hybrid Cloud
- Virtualization and Virtual Machines
- AWS Services including Lambda, Elastic Beanstalk, S3, EBS, EFS, RDS, DynamoDB, VPC, IAM, and CloudWatch
- Cloud Storage, Networking, Security, and Monitoring
- Application Deployment and Cloud Infrastructure Management

Overview

The Department of Artificial Intelligence and Data Science, Keystone School of Engineering, Pune, organized a two-day Hands-on Workshop on Cloud Computing on 1st and 2nd April 2026 for T.E. AI & DS students. Conducted by Ms. Shubhangi Shinde, CEO & Founder of Codezone IT Solutions, along with technical trainer Mr. Harsal Shende, the workshop provided practical exposure to cloud computing technologies and Amazon Web Services (AWS). Through interactive sessions, live demonstrations, and hands-on activities, students gained valuable insights into cloud infrastructure, deployment techniques, and real-world industry applications.





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INTERNSHIP PROGRAM



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Objective

- To provide students with practical industry exposure.
- To bridge the gap between academic learning and professional practice.
- To develop technical, professional, and problem-solving skills.
- To familiarize students with industry tools, technologies, and work culture.
- To enhance career readiness and employability.



Overview

The Department of Artificial Intelligence and Data Science, Keystone School of Engineering, conducted a 6-week Internship Program for Third Year AI & DS students from 1 January 2026 to 15 February 2026. The program provided practical industry exposure and enabled students to apply their academic knowledge to real-world projects. Through internships in domains such as AI, Data Science, Software Development, Web Development, Cybersecurity, and Machine Learning, students gained valuable technical skills and professional experience, preparing them for future career opportunities.

Highlights

- Participation of 63+ Third Year AI & DS students.
- Exposure to diverse domains including AI, Data Science, Software Development, Web Development, Cybersecurity, Machine Learning, FinTech, IoT, and Healthcare Technology.
- Hands-on experience through real-world projects and industry assignments.
- Development of technical, analytical, and professional skills.
- Familiarization with industry tools, technologies, and workplace practices.
- Enhanced understanding of professional ethics and organizational culture.
- Improved career readiness through practical learning and industry exposure.



AIDEAS STUDENT'S ASSOCIATION



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Vision

To be a transformative platform that empowers students in Artificial Intelligence and Data Science to innovate, excel, and lead in shaping a smarter, data-driven future.

Mission

1. Foster Innovation: Provide resources and opportunities for students to explore cutting-edge technologies in AI and Data Science, promoting creative problem-solving and innovation.
2. Promote Collaboration: Build a vibrant community that encourages collaboration among students, academia, and industry professionals to address real-world challenges.
3. Enhance Skills: Offer workshops, seminars, and hands-on projects to equip students with technical expertise and industry-relevant skills.
4. Encourage Ethical Practices: Advocate for responsible and ethical use of AI and data science in solving societal problems.
5. Build Leadership: Cultivate leadership qualities by encouraging students to lead initiatives and participate in competitive and professional environments.



Gururaj Ingavale-PRESIDENT



Suyash Bhuwad-VICE PRESIDENT



Kshitij Gharat-TECHNICAL HEAD



SNEHAL SHINDE-TREASURER

DOUBLE VICTORY IN TECH 2026

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Overview

Mr. Aqib Sameer Pansare has showcased exceptional technical expertise and innovative thinking by securing 1st Place in Techathon 2026 and 1st Place in Tech Forum 2026, both organized by Nowrosjee Wadia College. These achievements highlight his strong problem-solving abilities, creativity, and dedication to excellence in technology and innovation. Competing against talented participants, he demonstrated outstanding technical skills and the ability to develop impactful solutions, earning top honors in both prestigious events. His accomplishments reflect his commitment to continuous learning, innovation, and academic excellence, making him a source of pride for his institution.

Mr. Aqib Sameer Pansare has demonstrated outstanding innovation and entrepreneurial excellence by securing 1st Place in the Startup Spark Competition organized by BSCOER, Narhe. Competing against more than 170 participating teams, he showcased exceptional creativity, problem-solving abilities, and business acumen through his startup idea and presentation. This remarkable achievement reflects his dedication, leadership, and commitment to transforming innovative concepts into impactful solutions, bringing pride to his institution and serving as an inspiration to fellow students and aspiring entrepreneurs.



RESEARCH PROJECT AT CIFIL LAB, IIT MADRAS

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Objective

- To analyze digital transaction patterns and financial behavior using large-scale payment data.
- To identify meaningful trends, fluctuations, and hidden signals within digital transactions.
- To gain insights into broader economic movements and behavioral changes in digital financial ecosystems.
- To apply data analytics techniques for understanding real-world financial and economic phenomena.



Overview

Mr. Dhruv completed a research project under IIT Madras, focusing on the relationship between environmental, behavioral, and commodity market dynamics. The project involved analyzing ecological, climatic, and economic data to identify meaningful patterns and predictive indicators influencing commodity price movements. Through this work, he gained valuable experience in research, data analysis, and market forecasting.

Mr. Gururaj completed a research project at the CIFIL Lab under IIT Madras. His work focused on analyzing digital transaction patterns to understand financial behavior and identify trends in large-scale payment data. The project provided insights into economic movements and behavioral changes within digital financial ecosystems while enhancing his research and data analytics skills.

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Dr. Amrin Sheikh
HOD



Dr. Sonali Shirke
Assistant Professor



Prof. Nagnath Dolare
Assistant Professor



Prof. Deepti Sagade
Assistant Professor



Prof. Mukul Jagtap
Assistant Professor



Prof. Shital Patil
Assistant Professor



Prof. Swati Salunkhe
Assistant Professor



Prof. Shafiya Sayyed
Teaching Assistant



Mr. Tushar Adhav
Technical Assistant

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Dear Colleagues, Students, and AI & Data Science Enthusiasts,

Welcome to the latest edition of our Artificial Intelligence and Data Science Department Newsletter! As we continue to push the boundaries of knowledge and innovation in this dynamic and transformative field, we are excited to share new developments, insights, and breakthroughs that are shaping the future of AI and data science.

The world of artificial intelligence and data science is evolving at an unprecedented pace. From machine learning algorithms that are revolutionizing industries, to the ethical considerations of AI systems and data privacy, the challenges and opportunities are vast. This newsletter is a reflection of the outstanding work happening within our department, as well as a platform to keep you informed about the latest trends, research, and upcoming events in this ever growing field.

In this edition, you'll find highlights from recent research initiatives, notable achievements from both students and faculty, and a closer look at the various projects that are making an impact.

Whether it's groundbreaking applications in healthcare, autonomous systems, or new data analytics tools, there is no shortage of exciting developments. Additionally, we dive into topics like AI ethics, bias mitigation, and the growing need for transparency in machine learning models —issues that are as critical as they are complex.

But beyond the research and technological advancements, this newsletter also aims to foster a sense of community within our department. We hope it encourages dialogue, collaboration, and idea-sharing. AI and data science are interdisciplinary fields that thrive on collective efforts, diverse perspectives, and the exchange of knowledge. As we move forward, let's continue to build a culture of inclusivity and collaboration that supports the development of solutions with real world impact.

The future of AI and data science is bright, and as a department, we have a unique opportunity to shape that future. We encourage you to stay engaged, keep pushing boundaries, and continue to contribute your expertise and passion. Together, we can harness the potential of AI and data science to solve some of the world's most pressing problems and create technologies that benefit society as a whole.

Best Regards
Prof. Shafiya Sayyed
Editor-in-Chief