



DAYANANDA SAGAR
UNIVERSITY



SCHOOL OF
ENGINEERING

SOE - "The Weekly Buzz"

The Official Weekly Newsletter of **School of Engineering**



Week# 21 (May 19 to 24th 2025)

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SCHOOL OF ENGINEERING

VISION

- Transform lives through excellence in engineering education, research and innovation with an emphasis on sustainability, inclusive technologies and global needs.

MISSION

- Design and deliver contemporary engineering curricula to address regional and global needs while emphasizing ethics, values, integrity and regional relevance.
- Carryout high impact academic research, industry projects and innovation activities with active student engagement to advance science and engineering knowledge and state-of-the art industry practices.
- Develop regional and national leaders to advance the society and economy.

Faculty Contributions

Department Of Computer Science and Engineering

Dr. Revathi V, Associate Professor, Department of CSE contributed as Session Chair in the 6th International Conference of Emerging Technologies (INCET) 2025 is Technically Co-sponsored by IEEE Bangalore section in Jain College of Engineering, Belagavi, Karnataka, India during 22nd to 24th May 2025.



Department Of CSE (AIML)

Dr. Joshuva Arockia Dhanraj, Associate Professor, Department of CSE (AI&ML) has received the certificate in recognition of their outstanding research contribution to Concepts and Applications of Brain-Computer Interfaces Published by IGI Global Scientific Publishing; ©2025 With gratitude for your dedication to advancing knowledge and scholarship.



Department Of CSE (Cyber Security)

Dr. Dilip Kumar Jang Bahadur Saini has published a book chapter titled “Medical Image Analysis and Morphology Using Artificial Intelligence”, contributing to the growing body of research in the intersection of healthcare and artificial intelligence. This chapter explores advanced AI-driven methodologies for analyzing and interpreting medical images with a focus on morphological patterns, supporting improved diagnostics and clinical outcomes.

Web Link: https://link.springer.com/chapter/10.1007/978-981-96-3448-4_18



Dr. Dilip Kumar Jang Bahadur Saini has published a book chapter titled “Simulation of Biological Structures Using Generative Artificial Intelligence”, featured in the Springer Nature volume Artificial Intelligence in Microbial Research. Published online on 22 May 2025, the chapter appears in pages 421–435 and presents innovative applications of Generative AI for simulating complex biological structures. This research marks a significant contribution to computational biology and AI-driven microbial studies.

Web Link: https://link.springer.com/chapter/10.1007/978-981-96-3448-4_19



Faculty members from the Department of Computer Science and Engineering (Cyber Security), SOE-DSU made notable contributions at the 6th International Conference on Emerging Technology (INCET 2025), held from 22nd to 24th May 2025 at Jain College of Engineering, Belagavi, India.

Dr. Dilip Kumar Jang Bahadur Saini, Dr. S. N. Prajwalasimha, and Dr. G. Hemanth Kumar presented two impactful research papers in the field of financial fraud detection powered by Artificial Intelligence.

The first paper, titled “Trustworthy and Interpretable AI for Robust Fraud Detection in Financial Transactions”, focused on developing AI models that offer both high accuracy and transparency, which is crucial for gaining trust in critical financial systems.

The second paper, “Advanced Deep Learning for Real-Time Fraud Detection in Banking: Scalable and High-Accuracy Solutions”, explored scalable deep learning techniques aimed at detecting fraudulent activities in real-time banking environments with improved precision.

These research contributions underscore the department’s commitment to advancing AI-driven cybersecurity solutions and fostering innovation in the domain of financial technology.

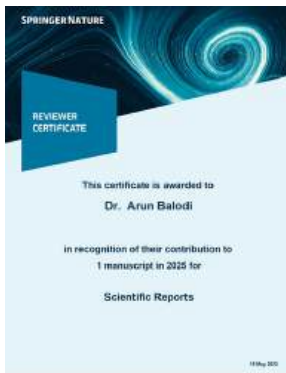


Department Of Electronics and Communication Engineering

The Department of Electronics and Communication Engineering, SOE-DSU is proud to highlight the scholarly contributions of its faculty members who have been recognized by Springer Nature for their roles as peer reviewers in reputed international journals.

Dr. Arun Balodi, Professor and Chairman of the Department, was acknowledged for his valuable contribution as a peer reviewer for Scientific Reports, a globally renowned journal published by Springer Nature. In 2025, Dr. Balodi reviewed a submitted manuscript, supporting the journal's mission to uphold the highest standards of academic quality and research integrity. His involvement reflects his subject-matter expertise and dedication to advancing scientific knowledge.

Ms. R. Navya, Assistant Professor in the department, was also honored for her academic service as a reviewer for the Journal of Nanoparticle Research, a leading publication focusing on cutting-edge developments in nanotechnology. On 21 May 2025, she received a Reviewer Certificate in recognition of her expert evaluation of a research manuscript. Her contribution reflects a strong commitment to maintaining the rigor and credibility of scholarly publications and showcases her active role in the global research ecosystem.



The Department of Electronics and Communication Engineering, SOE-DSU proudly celebrates the academic achievements of Dr. Arun Balodi, Professor and Chairman of the department, for his outstanding contributions to the global research and publishing community.

Dr. Balodi has been recognized by Deep Science Publishing for his role as a member of the Editorial Board. As part of this prestigious position, he actively upholds the ethical standards set by the Committee on Publication Ethics (COPE) and contributes to maintaining the academic integrity and quality of publications. His editorial responsibilities demonstrate a strong commitment to scholarly excellence and ethical research practices.



Dr. Arun Balodi, Professor and Chairman of the Department of Electronics and Communication Engineering at Dayananda Sagar University, has recently published an impactful research paper titled “Machine Learning Based Adaptive Traffic Prediction and Control Using Edge Impulse Platform.” This innovative work addresses the growing challenge of urban traffic congestion by integrating machine learning techniques with edge computing to enable real-time traffic prediction and adaptive control. Developed using the Edge Impulse platform, the system offers a scalable and intelligent framework for building responsive traffic management solutions, contributing significantly to the advancement of smart city infrastructure and improved commuter experiences. This pioneering research underscores Dr. Balodi’s expertise in intelligent systems and reinforces the department’s commitment to cutting-edge technological development. The full publication is available at: <https://lnkd.in/gW-K2mAq>.



Departmental Activities

Department Of Computer Science and Engineering

The Department of Computer Science and Engineering, School of Engineering, Dayananda Sagar University, organized an engaging event titled Unlock.Ed on 20th May 2025 at 1:45 PM as part of the National Technology Day celebrations. Designed as a multi-round quiz competition, the event tested participants on general technology knowledge, coding logic, binary arithmetic, company innovations, and current tech trends. The event began with an inaugural session attended by faculty members and invited guests who encouraged the participants. Teams competed in elimination-based rounds with increasing difficulty, featuring creative question formats, multimedia integration, and live scoring. A unique clue hunt round blended physical engagement with analytical reasoning, where teams solved tech riddles to advance. The event culminated in a high-energy rapid-fire final round between the top teams. Unlock.Ed successfully combined learning with competition, fostering enthusiasm and critical thinking among students. The event was coordinated by Dr. Gousia Thahniyath and Dr. Manoj Kumar N I, Assistant Professors, CSE.



The Department of Computer Science and Engineering, in collaboration with the Department of Aerospace Engineering at Dayananda Sagar University, organized a session titled "Awareness on IPR: Protecting Innovation" on 22nd May 2025.

The event was inaugurated by Dr. Girisha G S, Chairperson, Computer Science & Engineering and Dr. Nagaraj S R, Chairperson, Aerospace Engineering. They emphasized the growing need for IPR awareness among students and researchers. Dr. Basavaraj N Hiremath also addressed the gathering, adding valuable insights.

The session, held at LH-1, A Block, from 9:15 AM to 10:30 AM, saw active participation from both faculty and students. The event was efficiently coordinated by faculty members Dr. Savitha Hiremath, Prof. Nandini K., and Prof. Sripad Kulkarni S, along with student coordinators Pavan Kumar G R, Neetu J, Nandini R, and Nisarga.

We extend our sincere thanks to all contributors and especially Mr. Vineeth Kumar for making the session a meaningful success.



The Department of CSE and the Placement Cell at the School of Engineering, Dayananda Sagar University, in collaboration with Veranda, Six Phrase, and Talentely, conducted a five-day Competitive Programming Bootcamp from 19th to 23rd May 2025. Designed for 3rd-year B.Tech students, the training focused on advanced coding techniques, problem-solving, and placement readiness for product-based companies. Coordinated by Dr. Revathi and Mr. Vijay with his team, the bootcamp received enthusiastic feedback and stood out as a successful example of industry-academia synergy aimed at empowering future tech professionals.



Department Of CSE (Cyber Security)

The Training and Placement Cell, in collaboration with the Department of CSE (Cyber Security), organized an engaging guest lecture on "Tech Insights on Cybersecurity" on 23rd May 2024 at Lecture Hall 2. The session was delivered by Ms. Sowmya N Swamy, Vice President – Information Security Associate Manager at Wells Fargo, and a seasoned expert with 17 years of experience in cybersecurity, threat analysis, and data privacy.

Attended by over 170 students from the 2nd and 3rd year CSE (Cyber Security) program and faculty members, the lecture aimed to bridge academic knowledge with practical industry applications. Ms. Sowmya shared valuable insights on cybersecurity fundamentals, emerging threats such as AI-driven attacks, cyber hygiene practices, ethical hacking, and career opportunities in the field.

The event was coordinated by Prof. Naveen Kulkarni, Assistant Professor, CSE (CY), and Mr. Sagar B S., Placement Officer, DSU. The session proved to be highly informative and inspiring, offering students a deeper understanding of real-world cybersecurity challenges and career pathways.



Department Of CSE (Data Science)

The Department of CSE (Data Science), in collaboration with the Office of International Affairs, DSU, organized an enriching session titled “Advance Your Career Through MS/MBA Programs in Germany” on 20th May 2025. The session was coordinated by Dr. Shaila S G, Professor and Chairperson, along with Prof. Shivamma D and Prof. Monish L, and saw enthusiastic participation from 4th and 6th semester students.

The session featured Dr. Manjula Mundakana, Senior Advisor for Science, Technology & Political Affairs at the German Consulate, Bangalore. She provided valuable insights into Germany’s higher education and research landscape, Indo-German collaborations, funding opportunities, and global career prospects. Students were guided on scholarship avenues, research networks, and pathways to study and work in Germany.

The session sparked strong interest in international academic opportunities, with participants gaining clarity on how to access and benefit from Germany’s robust research ecosystem and consular support.

Dayananda Sagar University
Department of Computer Science and Engineering
(Data Science)

ADVANCE YOUR CAREER THROUGH MS/MBA PROGRAMS IN GERMANY
GAIN VALUABLE INSIGHTS INTO ADMISSIONS, ACADEMICS, AND STUDENT LIFE AT LEADING GERMAN UNIVERSITIES

CHIEF PATRONS
Dr. B Hemachandra Sagar
Chairman, DSU
Dr. B Phansiddha Sagar
De-Chancellor, DSU

PATRONS
Dr. Pattabhiraj C
Registrar, DSU
Dr. Jayya Kaveri Reddy
Dean, SCSE, DSU
Ms. Sujanya Mallaw
Vice President International Affairs

COORDINATOR
Dr. Shaila S G
Professor and Chairperson, Dept. of CSE (DS)

FACULTY COORDINATORS
Prof. Shivamma D, Dept. of CSE (DS)
Prof. Monish L, Dept. of CSE (DS)
Sushila Bhat, Manager, International Relations, International Office

Dr. Manjula Mundakana
Senior Advisor,
Science, Technology & Political
Affairs, German Consulate
Bangalore

20/05/2025
@ 11:00 AM
SCS, Lecture Hall 3



The Department of CSE (Data Science), in association with the IEEE Student Chapter ITS, successfully organized the TechSpark MATLAB Expo 2025 on 24th May 2025. Coordinated by Dr. Shaila S G, Prof. Shivamma D, and Prof. Monish L, the event engaged 4th semester students from both A and B sections in showcasing innovative, MATLAB-based mini-projects.

Ms. Nisha U N, Programmer Analyst at Cognizant, served as the resource person and provided expert insights on real-world applications of MATLAB in the tech industry. Students demonstrated a range of projects including data visualization dashboards, emotion detection, predictive analytics models, and image enhancement techniques.

The expo emphasized experiential learning, encouraging students to apply theoretical knowledge to practical problem-solving using MATLAB. Key outcomes included enhanced skills in biomedical image and signal analysis, disease prediction using machine learning, and safe simulation of biological systems. The event promoted teamwork, creativity, and industry readiness.



Department Of Computer Science and Technology

The Department of Computer Science and Technology (CST) was held on 24th May 2025 at Dayananda Sagar University. The session was chaired by Dr. M. Shahina Parveen, Professor and Chairperson, who welcomed all BoS and Department Curriculum Committee members and presented an overview of the department's recent achievements.

The meeting focused on reviewing the scheme and syllabus for the 2022–26, 2023–27, and 2024–28 batches, along with alignment of the department's Vision, Mission, PEOs, and PSOs with the university's goals. Key agenda items included the implementation of the National Education Policy (NEP), introduction of courses on employability, entrepreneurship, and skill development, integration of MOOC courses for credit transfer, and details regarding Minor and Honours degree programs.

Industry experts Mr. Neerav Joshipura and Mr. N. C. Sriraman, along with internal members, reviewed the proposals and shared valuable suggestions, which will be documented and reflected in the forthcoming action report.



Department Of Artificial Intelligence & Robotics

The Department of Artificial Intelligence and Robotics Engineering, DSU, organized a Parents-Teacher Meeting (PTM) on Saturday, 24th May 2025 at 11:00 AM in Room A506, School of Engineering. The event aimed to foster collaboration between parents, faculty, and students by discussing academic performance, student behavior, and future career goals.

The session began with a warm welcome by the department faculty, followed by a presentation highlighting the academic curriculum, co-curricular activities, and department achievements. One-on-one interactions enabled detailed discussions on individual students' performance, attendance, discipline, and internship opportunities.

The department extends heartfelt thanks to all participating parents, faculty members, and students, and acknowledges the efforts of the Chairperson and organizing faculty for ensuring the event's success.



The poster features three circular logos at the top: Dayananda Sagar University, School of Engineering, and the Department of Artificial Intelligence and Robotics Engineering. The text is centered and reads: DAYANANDA SAGAR UNIVERSITY School of Engineering Devarakaggalahalli, Harohalli Kanakapura Road, Dt. Ramanagara, Karnataka: 562112 Department of Artificial Intelligence and Robotics Engineering welcomes Parents, Faculty Members and Students. Below this is a graduation cap icon and the title PARENTS TEACHER MEETING. The date and time are listed as May 24th 2025, Saturday, 11 AM Onwards, in Venue: A506. At the bottom, it says Chairperson, Faculty Members and Students, Department of Artificial Intelligence and Robotics Eng.

DAYANANDA SAGAR UNIVERSITY
School of Engineering
Devarakaggalahalli, Harohalli Kanakapura Road, Dt.
Ramanagara, Karnataka: 562112

Department of Artificial Intelligence and
Robotics Engineering welcomes Parents, Faculty
Members and Students

PARENTS TEACHER MEETING

Date: May 24th 2025, Saturday
Time: 11 AM Onwards
Venue: A506

Chairperson, Faculty Members and Students
Department of Artificial Intelligence and Robotics Eng.



The Department of Artificial Intelligence and Robotics, in collaboration with ROBOVERSE, successfully conducted a seminar on “Embedded Systems in Intelligent Industry” on 19th May 2025 at Lecture Hall 3, School of Engineering, DSU. The event featured Mr. Deepak K. C., CEO of SiliVal and alumnus of IIM Bangalore and TBS, France, as the keynote speaker.

Mr. Deepak shared deep insights into the pivotal role of embedded systems in modern industries, emphasizing applications in robotics, automation, and smart manufacturing. He presented real-world case studies and explored how the integration of AI and IoT is revolutionizing industrial processes. The seminar included an engaging Q&A session, allowing students to interact and explore further. The session was highly informative for students interested in electronics, AI, and intelligent systems.

The department extends sincere thanks to Mr. Deepak and the organizing team led by Dr. Pramod Kumar Naik, with coordinators Dr. Gangadhar T. G., Dr. Rupam Bhaduri, and Dr. Bharath Kumar S.

DSU DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND ROBOTICS

ROBOVERSE

EMBEDDED SYSTEMS IN INTELLIGENT INDUSTRY

Explore How Embedded Systems Are Transforming the Intelligent Industry!

Join Mr. Deepak K. C.
CEO of SiliVal, MBA from IIM Bangalore and TBS, France

Embark on an exciting journey to discover how embedded systems influence innovative gadgets. Explore expert insights, practical applications, and trends in robotics, automation, and intelligent technologies shaping the future.

Monday
19 May, 2025

Time
02:00PM

Lecture Hall - 3
SOE, DSU

Chief Coordinators:
Dr. Gangadhar T. G.
Dr. Rupam Bhaduri
Dr. Bharath Kumar S.

Dr. Pramod Kumar Naik
Chairperson

Dr. Lakshya Kumar Nayak K. B.
Dean, School of Engineering



The Department of Artificial Intelligence and Robotics hosted an engaging session on May 21, 2025, titled “Building Health Tech Ecosystem Using Campus Talent”. The event featured Mr. Subramanian Sivakumar, Co-Founder of Talencia Global, who shared his remarkable journey of building a health tech unicorn in the U.S., powered by engineering talent from Indian campuses.

Through practical insights and motivational anecdotes, Mr. Sivakumar highlighted the global impact of Indian innovation and the importance of interdisciplinary collaboration. The session ignited entrepreneurial aspirations among students and reinforced the department's commitment to bridging academia with real-world industry.



SCHOOL OF ENGINEERING
DAYANANDA SAGAR UNIVERSITY
Department of Artificial Intelligence and Robotics

Dayananda Sagar University

Devarakaggalhalli, Harohalli, Kanakapura Road,
Ramanagara District, Karnataka, 562112.



Building Health Tech Ecosystem Using Campus Talent
A practical look at how we built a unicorn from Florida for US healthcare using Indian campus engineers

May 21, 2025

Subramanian Sivakumar
Co-Founder, Talencia Global

The Department of Artificial Intelligence and Robotics warmly invites all faculty members to an inspiring 2-hour session led by Mr. Subramanian Sivakumar, A Visionary leader. Join us for a practical insight into how a unicorn was built for US healthcare from Florida—powered by engineers from Indian campuses.

Time: 2:00PM Onwards **Venue: A 506**



Department Of Humanities

The Department of Chemistry, School of Engineering, DSU conducted a talk in collaboration with Inkarp Instruments Private Limited, Hyderabad on the topic titled "Fundamentals and Recent Trends in Thermal Analysis" on 23.5.2025 from 9:00 AM to 10:30 AM. The resource person of the session was Mr. Sivakumar Ganapathy, Program Manager, Inkarp instruments, Hyderabad. The session was highly engaging with a dynamic interaction with the faculty members, and research scholars. Dr. Sai Prasad Nayak and Dr. Bhavana Rikhari, Assistant Professor, Department of Chemistry chaired the talk as conveners. 30 participants majorly consisting of research scholars from various departments attended the talk. All faculties from the Department of Chemistry, were present during the talk. This collaboration aims at enhancing research capabilities and scientific knowledge dissemination.

DAYANANDA SAGAR UNIVERSITY **inkarp**
The Knowledge. Our Passion.

An Invited Talk
On

FUNDAMENTALS AND RECENT TRENDS IN THERMAL ANALYSIS

Guest Speaker:
MR. SIVAKUMAR GANAPATHY
Business Development Manager
Inkarp Instruments Pvt. Ltd.

23rd May 2025
09:00 AM
Venue: Lecture Hall 1, SOE,
DSU

Organized by:
Department of Chemistry
Dayananda Sagar University, Marichall

Patrons:

- Dr. D. Ananthasagar, Chairman, DSU
- Dr. D. Prameshadas Sagar, Pro-Chancellor, DSU
- Sri Galimsey, Secretary, DSU
- Dr. Anil Shetty, Vice-Chancellor, DSU
- Dr. Puthanappan C., Registrar, DSU
- Dr. Udaya Kumar Reddy K. R., Dean, School of Engineering, DSU

Faculty Coordinators:
Dr. Sai Prasad Nayak
Dr. Bhavana Rikhari
Prof. K. Anand Solomon (Chairman,
Dept. of Chemistry)
Faculties, Department of Chemistry

Open for all Faculties, Research Scholars and Students

**E-Certificate
Would be
Provided**



"Yun Na Yarn – A Cinematic Journey," organized by Echoes of Lumière, the Filmmaking Club of the School of Engineering at Dayananda Sagar University, was a two-part event that celebrated the art of filmmaking, storytelling, and visual expression. Guided by faculty coordinators Dr. Rochna Roy and Dr. V. Sreemathy, the event aimed to inspire and nurture student talent in the cinematic arts through practical learning and creative competition.

The first segment of the event, a Scriptwriting and Cinematography Workshop, was held on 13 May 2025 at Lecture Hall – 2. It was inaugurated in the presence of distinguished guests including Dr. Arun Balodi (Chairperson, ECE Department), Dr. Sai Prasad Nayak (Department of Chemistry), and Prof. Arjun Krishnamurthy (Department of Computer Science), whose encouragement added value to the proceedings. The workshop offered participants an immersive learning experience, focusing on key storytelling elements such as character development, plot structure, and scene composition, along with technical aspects like framing, lighting, lens selection, and color grading. Led by student facilitators and guided by experienced mentors, the session emphasized the significance of visual storytelling and cinematic techniques in conveying powerful narratives. The workshop concluded with an announcement inviting students to participate in a short filmmaking competition, scheduled for 22 May.

The second part of the event, "Yun Na Yarn: SHOW TIME," took place on 22 May 2025 at Lecture Hall – 3. It featured a short film competition that drew enthusiastic participation from six student teams across various engineering departments. The competition challenged students to recreate a known reel or storyline with their own creative twist, resulting in a wide array of original short films that demonstrated narrative depth, innovation, and technical finesse. Each team showcased unique interpretations and applied diverse cinematic elements such as shot composition, background scoring, editing, and dialogue. The judging panel, composed of representatives from the Echoes of Lumière club and faculty members, evaluated the entries based on creativity, originality, narrative coherence, and overall execution. Two teams were recognized for their outstanding efforts and awarded cash prizes of Rs. 3500 and Rs. 2000, respectively. The competition was a vibrant display of talent, teamwork, and storytelling prowess.



The report titled “Youth Empowerment and Life Skills” outlines an inspiring event organized under the Happiness Club: Athmanirbhar. Held on May 19, 2025, the session featured IPS officer Roopa Divakar Moudgil as the keynote speaker. Focused on motivating students and fostering essential life skills, the interactive session emphasized mental resilience, civil service preparation, and self-growth. With active participation from students and a dynamic Q&A segment, the event left a lasting impact, promoting confidence, purpose, and empowerment among the youth. faculty Coordinator by Dr. V. Sreemathy & Dr. Rochna Roy (Assistant Professor- Technical English)

SCHOOL OF ENGINEERING

DAYANANDA SAGAR UNIVERSITY
TECHNOLOGICAL SOCIETY (DEPARTMENT OF ENGINEERING)
DAYANANDA SAGAR

YOUTH EMPOWERMENT AND LIFE SKILLS

SPOTLIGHT SESSION BY
Roopa D Moudgil

IPS Officer
 Inspector General of Police
 Managing Director
 Karnataka Silk Marketing Board Ltd.

19th May, 2025
 2:30 PM - 4:00 PM
 Lecture Hall 2, SOE

PATRONS
 Dr. Anil R Bhatt
 Vice Chancellor, DSU

STUDENT COORDINATORS
 Clifford Thiyam
 Prakasha J S

FACULTY COORDINATORS
 Dr. V Sreemathy
 Dr. Rochna Roy

CONTACT US: +91 9739580435, +91 9038528223



“Industry Conclave 2025”

Dayananda Sagar University (DSU), School of Engineering, hosted its Industry Conclave on Curriculum Development on 23rd May 2025 at the DSU Harohalli Campus. The event brought together leading industry experts to collaboratively shape academic programs aligned with evolving industry demands. Esteemed professionals including Dr. C P Ravikumar (VinyanaTech), Mr. Nayan Naidu (Altimetrik), Soumya N Swamy (Wells Fargo), Vinayak Pai (LTIMindtree), and many others shared insights on bridging the academia-industry gap. Discussions focused on integrating real-world skills, fostering innovation, and aligning technical education with global standards. The conclave featured over 15 speakers from top organizations like Salesforce, Cognizant, Capgemini, TCS, and Harman International. Their valuable inputs aim to make the engineering curriculum more application-oriented and industry-relevant. The university's commitment to academic excellence and continuous improvement was evident, contributing to its NAAC A+ grade recognition. The event was a milestone in strengthening academia-industry collaboration for future-ready graduates.



Department Of Aerospace & Mechanical Engineering

The Industry Conclave 2025 was held on 23rd May 2025 at the A311 Avionics Lab, SOE, DSU A Block, organized by the Department of Aerospace and Mechanical Engineering. The event featured two distinguished industry experts: Mr. Praveen Valiyaparambil (Collins Aerospace) and Mr. Gopi Krishna Kumar Gopalasamy (TCS), who brought over 18 and 26 years of experience, respectively. They provided valuable insights on aligning academic curriculum with industry needs. Key recommendations included integrating quality standards like QMS, FAI, and APQA, along with aerospace certifications such as AS 9100, DO-178, and DO-254. Emphasis was also placed on safety, risk management, and embedded systems. From a mechanical standpoint, they highlighted the relevance of NVH, structural analysis, and automotive testing. They appreciated existing thermal courses and suggested incorporating CAD/CAM, simulation case studies, Software on Wheels, and DevOps to enhance practical skills and industry readiness.



Department Of Computer Science and Engineering

The Department of Computer Science and Engineering, along with other CS cluster groups, hosted the Industry Conclave on 23rd May 2025. The event featured esteemed panelists including Sindhu Srinivas, CEO, Cognizant; Syed Muzaffar, Data Science Delivery Lead, MathCo; and representatives from Wells Fargo and other leading tech organizations. The conclave centered on an in-depth review of the B.Tech and M.Tech curricula, emphasizing updated syllabi, practical integration, and the infusion of cutting-edge technologies such as AI, IoT, cloud security, and data science. Key suggestions included embedding real-world applications into programming subjects, enhancing secure software development, and prioritizing communication skills. Feedback on courses like Linux Programming, Django, and Digital Image Processing was well received. The session concluded with a focus on aligning academic offerings with global tech trends.



Department Of CSE (Cybersecurity)

The Department of Computer Science and Engineering (CY) organized an Industry Conclave on 23rd May 2025 to review and enhance the cybersecurity curriculum in line with evolving industry needs and technological trends.

The session featured distinguished experts Ms. Sowmya N Swamy, Vice President – Information Security Solutions, Wells Fargo India, and Mr. Nayan Naidu, Strategic Global Executive with vast experience in cybersecurity and IT infrastructure. They commended the existing curriculum and shared valuable insights to strengthen its industry relevance.

Dr. Devi Priya V S presented the curriculum, with discussions led by Dr. D. Sumathi and Dr. Dilip Saini. The event was smoothly coordinated by Prof. Ranjima and Prof. Naveen Kulkarni.

The conclave served as a crucial platform to align academic content with real-world cybersecurity expectations, contributing to a more robust and career-ready learning experience for students.



Department Of CSE (Data Science)

The Department of CSE (Data Science), in collaboration with the Placement Team at Dayananda Sagar University, organized an Industry Conclave on Curriculum Development on 23rd May 2025. The session aimed to review and align the B.Tech Data Science curriculum with evolving industry expectations. The event was coordinated by Dr. Shaila S G, Ms. Shivamma D, Mr. Monish L, Dr. Suresh Arumugam, and Mr. Vijaykumar, and witnessed active participation from faculty and students.

Industry experts Mr. Pramod M. V. and Mr. Vinayak Pai from LTIMindtree, along with Ms. Mamatha Shanmugam from Capgemini, provided valuable insights on integrating modern tools and trends such as Generative AI, cloud platforms, Ethical AI, and global certifications into the curriculum. Recommendations also included enhancing CTS courses, adopting Python universally, and introducing real-world analytics projects.

The conclave concluded with a unified commitment to fostering a future-ready curriculum focused on innovation, ethics, and industry alignment.



Department Of CSE (AIML)

The Department of Computer Science and Engineering (Artificial Intelligence & Machine Learning), School of Engineering, Dayananda Sagar University, organized two impactful events in May 2025, aimed at enhancing academic-industry collaboration and inspiring innovation among students. On May 23, 2025, the department conducted an Industry Conclave for Curriculum Review in Lab No. 508, featuring esteemed industry experts Mr. Santosh Rebello, Manager for MuleSoft at Salesforce, and Dr. Pradeep Desai, CEO of Thalesat Innovations Pvt. Ltd. The session was inaugurated by Dr. Jayavrinda Vrindavanam, Chairperson of CSE (AI&ML), along with Prof. Pradeep Kumar. The experts commended the department's forward-thinking curriculum, especially the inclusion of advanced subjects like Generative AI, FinTech, and MLOps. They recommended the addition of Agentic AI as a professional elective in the sixth semester, recognizing its growing relevance in the AI landscape. The conclave also emphasized the integration of modern platforms such as AWS Bedrock, Google BigQuery, and MuleSoft, ensuring that students gain practical exposure to industry-grade technologies.

Together, these two events underscored the department's commitment to maintaining academic relevance, nurturing entrepreneurial mindsets, and building strong industry partnerships. The Department of CSE (AI&ML) extends its sincere appreciation to all guest speakers, faculty coordinators, and support staff for their contributions. Initiatives like these play a crucial role in shaping students into future-ready professionals, equipped to lead and innovate in the ever-evolving field of artificial intelligence and machine learning.



Department Of Computer Science and Technology

Industry Conclave was held on 23rd May 2025 at Department of Computer Science and Technology (CST) with the objective of receiving expert insights for curriculum enhancement. The event featured three esteemed industry professionals, including Mr. Ashok Magadam, Founder and CEO of Vidarka Technologies Private Limited, Bangalore, Dr. Tulasi Sunitha Manepalli, Lead Data Scientist and DS & AI Lead & Manager at IBM, Bangalore, India and M N Kiran Kumar, Cognizant. During the conclave, the guests shared valuable suggestions aimed at aligning the curriculum with current industry standards and expectations. Their recommendations focused on incorporating emerging technologies and practical competencies that will empower students to build successful careers and stay competitive in the evolving tech landscape.



Department Of Electronics and Communication Engineering

The Department of Electronics and Communications at SOE_DSU hosted a significant event under the Industry Conclave on Curriculum Development on 23rd May 2025 at the Harohalli campus. The session witnessed the participation of two prominent industry experts – Dr. C P Ravikumar, Chief Learning Officer at Vinyana Tech and Adjunct Professor at IIT Dharwad, and Mr. Shailesh Sakri, Senior Director at Harman International. Dr. Ravikumar, with a rich academic and industry background, provided invaluable insights into aligning ECE curricula with real-world applications. Mr. Sakri, with over 24 years of experience in embedded systems and consumer electronics, shared expertise on innovation in product design and IoT integration.

The event was coordinated under the leadership of Dr. Arun Balodi, Professor & Chairperson of ECE, and Dr. Gayathri K M, Associate Professor and Faculty Coordinator, along with active support from the ECE department faculty. This visit significantly contributed to bridging academic training with industry demands, ensuring future-ready ECE graduates.



“Project Expo 2025”

Department Of Aerospace Engineering

On 24th May 2025, the Department of Aerospace Engineering organized a Project Expo titled “AeroExpo 2025”, showcasing innovation and technical talent in the aerospace domain. The event saw enthusiastic participation from around 60 students, with a total of 18 projects exhibited, covering a range of aerospace engineering applications and concepts. The expo provided a platform for students to demonstrate their creativity, problem-solving skills, and technical knowledge. The highlight of the event was the evaluation and announcement of the Best Project of the Year 2024–25. The judging panel was graced by Mr. Sandesh Naik, Divisional Senior Manager at Cyient Ltd., Bengaluru, whose industry expertise added great value to the assessment process. The event concluded successfully, encouraging innovation and practical learning among students while strengthening industry-academia interaction.



Department Of Computer Science and Engineering

The Department of Computer Science and Engineering organized ProjectExpo 2K25 on 24th May 2025 for final-year (8th semester) CSE students to showcase their major academic projects. The event aimed to provide a platform for students to exhibit their technical expertise, creativity, and innovative problem-solving skills developed during their course. A total of 136 teams participated, out of which 24 teams were shortlisted based on predefined evaluation criteria. These shortlisted teams presented their projects to a panel of industry and academic experts, who evaluated them on parameters such as problem identification, technical depth, innovation, implementation, and presentation quality. The expert panel included Ms. Anu Ravi (Vice-President, ANZ) and Mr. Mekala V Reddy (Program Leader, IBM). The event was coordinated by faculty members including Dr. Meenakshi Malhotra, Dr. Kumar Dilip, Dr. Sivananda Reddy E, and others. ProjectExpo 2K25 successfully encouraged innovation and collaboration, serving as a proud culmination of students' academic journeys.

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF ENGINEERING
Cordially Invites You To The Inauguration Of
PROJECT EXPO 2K25

ORGANIZED BY
Department of Computer Science and Engineering

CHIEF GUESTS
Ms. Anu Ravi
Vice-President, ANZ
Mr. Mekala V Reddy
Program Leader, IBM

CHIEF PATRONS
Dr. Hemachandra Sagar
Chairman, IBM
Dr. D. Phaniendra Sagar
Vice-Chairman, IBM

CONVENERS
Dr. Udaya Kumar Reddy K R
Dean - SCE, DSU
Dr. Ganesh G B
Chairperson, CSE, DSU

FACULTY COORDINATORS
Dr. Meenakshi Malhotra
Dr. Kumar Dilip
Dr. Sivananda Reddy E
Dr. Resath V
Dr. George Fernandez

PATRONS
Dr. Anil R Bhat
Vice-Chancellor, DSU
Shri. R. Jayashankar
Executive Director, DSU
Dr. Pradeep G
Program Director, DSU
Dr. Indravaradhan C
Professor, DSU

VENUE:
Inauguration: LH-3
Expo: A-BLOCK 406

24TH MAY 2025 | 9:00 AM

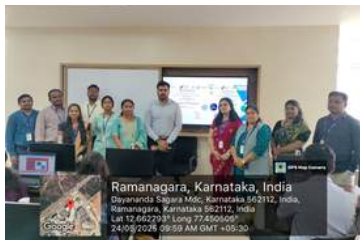


Department Of CSE (Data Science)

The Department of Data Science successfully hosted its Major Project Expo – MIND SPARK 2025 on 24th May 2025, providing a platform for 8th-semester students to present their final-year projects. A total of 15 teams showcased innovative solutions to real-world problems using advanced data science techniques. The event was inaugurated by Dr. Shaila S. G, Chairperson of the Department, who highlighted the value of experiential learning and innovation.

Mr. Vinod D from EY, RMZ Infinity, served as the external judge, evaluating projects on creativity, technical execution, and industry relevance. Faculty mentors guided the students throughout, and the top three teams were recognized with certificates of excellence.

The expo fostered industry interaction, professional presentation skills, and collaborative learning, reflecting the department's commitment to academic and career readiness.



Department Of Computer Science and Technology

The CST Project Expo 2025 was successfully inaugurated by Dr. M. Shahina Parveen, Professor and Chairperson, Department of CST, SOE, who welcomed distinguished guests Mr. Neerav Joshipura, Founder Director, SoftN Enterprises, and Mr. N. C. Sriraman, Co-Founder & MD, Metaphonic Networks Pvt. Ltd. A total of 15 student teams presented innovative projects across domains including E-commerce, Healthcare, Education, Consumer Applications, Security, Logistics, and Sustainability.

The expo began with a short video highlighting the students' project journeys, followed by live demonstrations. Both guests commended the students for their creativity and emphasis on socially responsible, sustainable solutions, while acknowledging the valuable mentorship provided by faculty members.

The event witnessed enthusiastic participation and feedback from students and faculty across departments. Awards for the top three projects were presented, along with certificates of appreciation for volunteers. The expo fostered key professional skills such as public speaking, teamwork, and technical presentation preparing students for future academic and career challenges.



Department Of Electronics and Communication Engineering

The Department of Electronics and Communication Engineering (ECE) at Dayananda Sagar University, in collaboration with the ELECTROBLITZ Club and IEEE DSU Student Branch, successfully hosted Project Expo 25 on 24 May 2025. The event showcased over 40 innovative final-year student projects spanning Quantum Computing, Machine Learning, Embedded Systems, and more. The expo was graced by eminent personalities from academia and industry, including Dr. Puttamadappa C (Registrar, DSU), Dr. Arun Balodi (Chairman, ECE Department), and experts from CoreEL Technologies, MathWorks, and Safear India, who also served on the distinguished jury panel. Guidance and mentorship were provided by senior faculty members and industry experts. The student coordinators played a pivotal role in managing all aspects of the event, exemplifying strong leadership and teamwork. The event also featured the launch of the ECE Project Chronicles – 2025, celebrating student achievements and inspiring future innovation. This expo fostered valuable industry-academia interaction, teamwork, and technical excellence among students.



Department Of CSE (AIML)

TECH SPARK 2.0 began with a warm welcome by student emcees, who highlighted the event's purpose and importance. Dr. Jayavrinda Vrindavanam, Chairperson of the AI & ML Department, delivered the welcome address, introducing the Chief Guest Dr. Sankar Dasiga, Guest of Honour Dr. Pradeep Desai, and esteemed guest Dr. Shilpa. In her speech, Dr. Vrindavanam emphasized the role of technological innovation in solving real-world problems and encouraged interdisciplinary learning. Her inspiring words set the tone for an engaging and impactful day.

In the Healthcare domain, Jahnavi A (ENG21AM0050), K. Nageshwari Durga (ENG21AM0053), Kunjan Kumar Singh (ENG21AM0060), and Poornima M. Nerale (ENG21AM0085) were recognized for their innovative project titled Digital Display Using Gen AI. Their work demonstrated how generative AI can be leveraged to enhance digital health communication and user interfaces, offering impactful solutions in the medical field.

In the Large Language Models domain, Sri Bharath Sharma P (ENG22AM3005), Yudhajit Jana (ENG22AM3021), and Shriyans Arkal (ENG21AM0117) were awarded for their project titled Enhancing Medical Diagnostics with Vision-Language Models, which focused on integrating visual and textual data for improved diagnostic accuracy. Another winning project in this domain, Agent Frameworks for VLM-Based Medical Diagnosis, was presented by Sayli Pankaj Bande (ENG21AM0112) and Ratan Ravichandran (ENG21AM0093), showcasing intelligent system design for advanced medical applications.

In the Healthcare domain, Jahnvi A (ENG21AM0050), K. Nageshwari Durga (ENG21AM0053), Kunjan Kumar Singh (ENG21AM0060), and Poornima M. Nerale (ENG21AM0085) were recognized for their project Digital Display Using Gen AI. Their work explored the innovative use of generative AI to develop intelligent display systems, aiming to enhance communication and efficiency in healthcare environments.



Student Activities

Mr. Dhiren CR(ENG21CS0115), Mr. Bhuvan J (ENG21CS0079), Mr. Abhiram DV (ENG21CS0101) and Mr. Ayush Sharma (ENG21CS0495) 8th semester Students Department of CSE under the guidance of Prof. Naitik ST, Assistant Professor Won 1st place for the project titled “Women Safety in Emerging Situation Using SOS Alerts With Integration of Biometrics and IoT” in the ProjectExpo 2K25 organized by the Department of Computer Science and Engineering, SOE, DSU on 24th May 2024.



Ms. H S Sinchana (ENG21CS0143), Ms. K Vaishnavi (ENG21CS0173) and Ms. Shambhavi Hegde (ENG21CS0371) 8th semester Students Department of CSE under the guidance of Dr.George Fernandez I, Associate Professor Won First Runner-up place for the project titled “Smart Wardrobe - MR driven virtual try on” in the ProjectExpo 2K25 organized by the Department of Computer Science and Engineering, SOE, DSU on 24th May 2024.




Mr. Manoj S (ENG21CS0222), Mr. Kiran Gangoor (ENG21CS0189), Ms. Harshitha S (ENG21CS0154) and Ms. Kavana N (ENG21CS0184) 8th semester Students Department of CSE under the guidance of Prof. Pooja Shree H R, Assistant Professor Won Second Runner-up place for the project titled “High resolution 3D of terrain and infrastructure, Road travel conditions in Disaster struck areas” in the Project Expo 2K25 organized by the Department of Computer Science and Engineering, SOE, DSU on 24th May 2024.



Shashi Kumar (ENG23DS0034) & Aditya (ENG23DS0001) team has been successfully shortlisted for the next round of India’s largest drone innovation challenge – NIDAR 2025 on 22nd May 2025.

NIDAR 2025 | Shortlisting Announcement
Team NIDAR - team.nidar@dsuonlinefoundation.in
Reply to: Team NIDAR - team.nidar@dsuonlinefoundation.in
To: eng23ds0034@dsu.edu.in

Thu, 22 May 2025 at 8:48 pm



Congratulations!
YOUR TEAM IS SHORTLISTED!

Dear Roxx Air Vehicles,

We are thrilled to inform you that **your team has been successfully shortlisted** for the next round of India's largest drone innovation challenge – NIDAR 2025.

All your submitted details and registration payment have been verified. Congratulations on clearing this important milestone!

This marks the beginning of your journey to demonstrate innovation and technical excellence in drone applications under the theme of **Disaster Management**. We look forward to witnessing your contributions in the upcoming phases of the competition.

Team Details:
Team Name: Roxx Air Vehicles
Allocated Team ID: N250671
Problem Statement: Disaster Management

Students from the Department of CSE (Cyber Security), SOE-DSU actively participated in the 6th IEEE International Conference on Control, Communication and Computing (ICCC 2025), held at the College of Engineering Trivandrum, Kerala, from May 23 to 25, 2025.

Mr. Srihari K. B (ENG21CY0043) of 7th semester and Mr. Bansidharee Maji (ENG22CY0006) of 6th semester presented their research paper titled “Performance Evaluation of Cryptographic Algorithms on Resource-Constrained and GPU/TPU Integrated Multi-core Processor Systems.” Co-authored by Durbadal Chattaraj, Srihari K. B., Bansidharee Maji, and Sharanabasappa Tadkal, the paper explores cryptographic performance across modern processor architectures, addressing security in both high-performance and constrained environments.

Mr. Shashank B. S (ENG21CY0040) of 7th semester presented a second paper titled “AVSS: Automated Authenticated AI-based Vulnerability Scanner for Ethical Security Auditing.” This work, co-authored by Shashank B. S., Durbadal Chattaraj, G. Venkat Vatsav, Sahana G. J., and Indushree M., introduces an AI-powered tool designed to automate and improve ethical security audits through intelligent vulnerability detection. These presentations marked a proud academic achievement for the CSE (CY) department, showcasing innovation and applied research in cybersecurity at a prestigious international IEEE platform.





**SCHOOL OF
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