



DAYANANDA SAGAR  
UNIVERSITY



SCHOOL OF  
ENGINEERING

## SOE - "The Weekly Buzz"

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



Week#28, (July 07th to 12, 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.

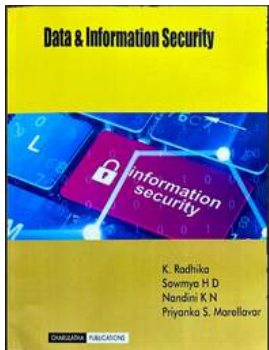
# Faculty Contributions

## Department Of Computer Science and Engineering

Dr. Savitha Hiremath, Associate Professor and Dr Basavaraj N Hiremath, Professor, Department of CSE Successfully Completed Certification from the SWAYAM-NPTEL 3-credit Proctored exam during May 2025 for the course titled "Generative AI and Large Language Models," offered by the Indian Institute of Management, Bangalore and the Certificate received on 9th July 2025



Prof. Radhika K, Prof. Sowmya H D, Prof Priyanka S Marellavar, Assistant Professors, Department of CSE has authored for the textbook titled "Data & Information Security" Published by the Charulatha publications during July 2025.



Dr. George Fernandez I, Dr. Savitha Hiremath, Dr. Meenakshi Malhotra, Associate professors and Dr. Sasikala Nagarajan, Assistant Professor, Department of CSE extended their service as a session chair for the technical presentation session and contribution towards the successful organization of IEEE Technical Sponsored 4th International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI 2025) held at St. Joseph's College of Engineering, Chennai, Tamil Nadu, India, during 10th - 11th, July 2025.



Dr. George Fernandez I, Associate professor and Prof. Radhika K, Prof. Sowmya H D, Prof Priyanka S Marellavar, Assistant Professors Department of CSE presented the research paper entitled “A Blockchain-Based Livestreaming Platform Leveraging Decentralized Video Transcoding” in the IEEE Technical Sponsored 4th International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI 2025) held at St. Joseph's College of Engineering, Chennai, Tamil Nadu, India, during 10th - 11th, July 2025.



## Department Of CSE (AIML)

Dr. Bahubali Shiragapur, Professor, Department of CSE (AI & ML), School of Engineering, Dayananda Sagar University (DSU), represented the university at the prestigious Bharat 6G Alliance (B6GA) national meeting held on 11th July 2025 at the Taj Hotel, Bangalore. The event, graced by Hon'ble Minister Shri Jyotiraditya M. Scindia, brought together leaders from academia, industry, and government to shape India's roadmap for 6G innovation. Dr. Shiragapur actively contributed to discussions on collaborative research, national testbeds, and capacity building, reinforcing DSU's commitment to developing India-centric 6G applications and advancing research and innovation in next-generation wireless technologies.



Prof. Trupthi Rao, Assistant Professor, CSE (AIML) – SOE, DSU, successfully participated in the 7th Summer School on Advances in Deep Architectures for Signal, Image and Vision Applications (ADASIVA 2025). The program was organized by the Computer Vision and Biometrics Lab (CVBL) at the Indian Institute of Information Technology (IIIT), Allahabad, and conducted virtually from July 07 to 12, 2025. This intensive academic event focused on the latest advancements and research trends in deep learning techniques applied to signal, image, and vision domains. The training provided valuable insights and exposure to evolving technologies in the field. The certificate is endorsed by the course coordinators, Dr. Shiv Ram Dubey and Dr. Satish Kumar Singh, from IIIT Allahabad.



Dr. Santosh Kumar J published a patent on "MedConnect: An AI-Powered, Blockchain-Enabled Medical Chatbot for Accessible Healthcare" (Application Number: 202541061031).



Dr. Santhosh Kumar J, Associate Professor, Dept. of Computer Science and Technology (CST) – School of Engineering, Dayananda Sagar University, participated in the Get-Together and Tech Talk organized by the Federation of Karnataka Chambers of Commerce and Industry (FKCCI) on 7th July 2025 at FKCCI, Bengaluru. The event served as a valuable platform for knowledge exchange and networking with industry leaders, academicians, and new members of the federation. His presence underscored the university's commitment to fostering strong industry-academia collaborations and staying abreast of evolving technological and entrepreneurial trends.



# Departmental Activities

## Department Of Artificial Intelligence & Robotics

The Department of AI and Robotics Engineering, SOE-DSU organized a strategic meeting with Gahan AI on 8th July 2025 at the DSU Board Room to explore collaborative opportunities in intelligent mobility and road safety. Gahan AI, a frontrunner in indigenous autonomous driving technologies, presented its innovations in AI-powered perception systems, drive-by-wire platforms, and sensor integration. The discussion focused on joint research in autonomous navigation, sensor fusion, and rural mobility solutions, along with proposals to establish a Center of Excellence in Autonomous Systems and Road Safety. The collaboration also aims to pursue sponsored research and funding opportunities from national agencies, laying the groundwork for a high-impact academia-industry partnership.



# Department Of CSE (AIML)

The Department of CSE (Artificial Intelligence & Machine Learning), School of Engineering (SOE), Dayananda Sagar University (DSU), successfully conducted a one-day Faculty Development Program (FDP) on the theme "Nurturing Emotional Intelligence: A Journey from Self-Awareness to Conscious Parenting" on 8th July 2025 at Lecture Hall-2. The insightful session was led by Prof. S.V.K.R. Rajeswari, Assistant Professor, Public Speaker, and Life Coach, who emphasized the relevance of emotional intelligence in fostering both personal growth and effective parenting. The program featured core discussions on emotional intelligence, the use of Neuro-Linguistic Programming (NLP) for self-awareness, and reflective parenting strategies aimed at nurturing emotionally intelligent children. An engaging interactive session concluded the FDP, which was well-received by faculty across disciplines. This initiative aligns with the United Nations Sustainable Development Goal 3: Good Health and Well-being. The event was coordinated by Prof. Govind Kumar Pandey with strong support from the leadership of the CSE (AIML) Department.

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**SCHOOL OF ENGINEERING**  
 DEPARTMENT OF COMPUTER SCIENCE, INTELLIGENCE AND MACHINE LEARNING

**FACULTY DEVELOPMENT PROGRAM**  
**ON**  
**NURTURING EMOTIONAL INTELLIGENCE: A JOURNEY FROM**  
**SELF-AWARENESS TO CONSCIOUS PARENTING**

**DATE:** 08/07/2025 **VENUE:** Lecture Hall-2

**SPEAKER:** Prof. S.V.K.R. RAJESWARI  
 Assistant Professor, Public Speaker & Life Coach  
 CSE-AIML, Dayananda Sagar  
 Speaker profile: [Click here](https://www.linkedin.com/in/svjkr)

**REGISTRAR:**  
 Anandhanandha S. SIVARAMAN

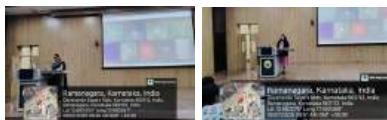
**CO-ORDINATOR:**  
 Prof. Govind Kumar Pandey, Assistant Professor,  
 CSE-AIML, Dayananda Sagar

**EDP HIGHLIGHTS:**

- 9:30 A.M to 11:00 A.M – Emotional Intelligence and its core competencies
- 11:00 A.M to 11:30 A.M – Break
- 11:30 A.M to 12:30 P.M – Self-awareness and Self-Awareness
- 12:30 P.M to 1:00 P.M – Lunch Break
- 2:00 P.M to 3:00 P.M – Reflective Parenting – Raising Emotionally Intelligent Children
- 3:00 P.M to 3:30 P.M – Interactive session

**CHIEF GUESTS:**  
 Dr. H. H. Hanumanthappa, Chancellor, DSU  
 Dr. C. Chandrashekhara Prasad, Vice-Chancellor, DSU  
 Dr. S. S. Srinivasan, Director, SOE  
 Dr. S. S. Srinivasan, Director, SOE  
 Dr. S. S. Srinivasan, Director, SOE  
 Dr. S. S. Srinivasan, Director, SOE

**REGISTRATION:**  
 Dr. S. S. Srinivasan, Director, SOE  
 Dr. S. S. Srinivasan, Director, SOE  
 Dr. S. S. Srinivasan, Director, SOE  
 Dr. S. S. Srinivasan, Director, SOE



# Department Of Electronics & Communication Engineering

The Department of Electronics and Communication Engineering, School of Engineering, Dayananda Sagar University, organized a technical talk on “Artificial Intelligence in Drug Discovery: Bridging High-Content Screening to Target Discovery” on July 9, 2025. The event was organized in collaboration with the IEEE DSU Student Branch and the IEEE Signal Processing Society – Bangalore Chapter. The session was delivered by Dr. Arvind Rao, Professor of Computational Medicine and Bioinformatics at the University of Michigan, Ann Arbor. Dr. Rao shared insights into how AI is transforming biomedical research by converting complex microscopy data into actionable insights and expediting target identification. The talk was well-received for its practical perspective, especially highlighting how even non-computational researchers can benefit from AI in drug discovery.



## Department Of CSE & Placement

The Industry-Partnered Bootcamp Training Program 3.0 successfully commenced on 7th July 2025, drawing enthusiastic participation from 180 students, divided into two batches for optimal engagement. Coordinated by the Department of CSE & Placement Officer, SOE-DSU, the program involved students from the CS cluster and was delivered by seasoned industry professionals. The bootcamp follows a well-structured curriculum that includes domain-specific technical training, hands-on exposure to industry tools, problem-solving sessions, mock interviews, resume building, and soft skills workshops. Conducted in a blended format, the sessions incorporate live interactions, expert talks, group activities, and self-paced tasks. The initiative has received overwhelmingly positive feedback from participants, underlining its relevance, quality, and impact. This program represents a significant stride in strengthening industry-academia collaboration and enhancing student employability.



# Student Activities

Mr. Purab Singh M (ENG21CS0313), Ms. R. Harini (ENG21CS0315) , Ms. Reuben Titus R (ENG21CS0330), Ms. Siri Rangdale (ENG21CS0401), 2025 graduated CSE students Presented a paper titled “VisionAssist Navigator: An Android-Based Application for Visually Impaired” under the guidance of Dr Natarajan Venkateswaran, Professor of Practice, Department of CSE in the Second IEEE International Conference on New Frontiers in Communication, Automation, Management and Security (ICCAMS-2025), Organized by School of CSE & IS, Presidency University, Bengaluru during 11th & 12th July 2025.



Ms. Rashmi R K (ENG23CS0162), 3rd year CSE student successfully completed Infosys springboard courses titled “Basics of Python” and “Basics of Business Communication” during 9th July 2025.



## COURSE COMPLETION CERTIFICATE

## COURSE COMPLETION CERTIFICATE

This certificate is awarded to  
**RASHMI R K**

for successfully completing the course  
**Basics of Business Communication**  
on July 9, 2025.



Congratulations! You're here to prove it!



Source: Infosys, VLS, 2025  
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This certificate is awarded to  
**RASHMI R K**

for successfully completing the course  
**Basics of Python**  
on July 9, 2025.



Congratulations! You're here to prove it!



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Ms. Sofia Rebecca(ENG22CS0590), with co-authors Ms. Srushti L Gowda(ENG22CS0470), Ms. Ananyaa Iyengar A S(ENG22CS0524), Ms. Harshitha S(ENG22CS0069), 4th year CSE students Presented a paper titled “Early Detection of Glaucoma Framework Using Contrast Sensitivity and Advanced Imaging for Enhanced Visual Field Analysis” under the guidance of Dr. Praveen Kulkarni, Associate Professor, Department of CSE and Dr. Dhathri K, Department of Ophthalmology, CDSIMER in the IEEE Technical Sponsored 4th International Conference on Advances in Computing, Communication and Applied informatics (ACCAI 2025) held at St.Joseph's College of Engineering, Chennai, Tamil Nadu, India, during 10th - 11th, July 2025.



## “An Immersive Orientation Workshop Newly Recruited Faculty”

A Five-Day Faculty Development Program – “An Immersive Orientation Workshop for Newly Joined Faculties” was conducted from 7th to 11th July 2025 at Lecture Hall-1, A Block, School of Engineering (SoE). This orientation workshop was a thoughtfully curated initiative aimed at enabling newly recruited faculty members to integrate smoothly into the academic and institutional ecosystem. The program provided an in-depth overview of institutional values, pedagogical frameworks, research avenues, administrative workflows, and support structures. It also aimed to instill a strong sense of belonging and professional identity among the participants.

The workshop commenced on

- Day 1 with a session on Academic Role Transition & Professional Identity, delivered by Prof. C. P. Ravi Kumar from Texas Instruments, which set the tone for the rest of the program by highlighting the evolving responsibilities of educators in a dynamic academic landscape.
- Day 2, the sessions focused on Redesigning Education for the AI Era, Emerging Models in an AI-first World, and the Institution’s Vision, Mission, and Values. These were conducted by Dr. Prakash S, Pro-Vice Chancellor of DSU, and Dr. B. S. Satyanarayana, Vice Chancellor of DSU, who emphasized innovation in pedagogy and alignment with global educational trends.
- Day 3 featured a session on Research Fundamentals and Development, again facilitated by Prof. C. P. Ravi Kumar, offering a deep dive into establishing a strong research foundation and promoting a culture of inquiry and innovation.
- The fourth day covered critical aspects of academic quality and infrastructure. Dr. Udayakumar Reddy K R, Dean of SoE, provided insights into curriculum and accreditation processes, while Dr. Anant, IQAC Director, focused on mapping curriculum to outcome-based education strategies. Sessions on IT and library resources by Mr. Pankaj Shrivastav, CIO of DSI, and an introduction to Learning Management Systems and ERP tools by Dr. Vishwanathan, Associate Professor in Mechanical Engineering, equipped participants with essential digital and academic tools.

- On the final day, Dr. Puttamadappa C, Registrar of DSU, elaborated on institutional policies and governance frameworks. This was followed by sessions on student engagement and mentoring, led by Dr. Nagaraj, Chairperson of Aerospace Engineering, and Dr. Shyamantha S, Deputy Director of Student Affairs. These discussions emphasized the significance of faculty involvement in student development and welfare.

The workshop was coordinated by Dr. Sridhar S.K, Dr. Naitik ST, Dr. Suresh Arumugam, Dr. Abdul Haq, Dr. Devi Priya V S, Dr. Indushree M, Prof. Nivetha, Prof. Sharanabasappa Tadkal, and Prof. Shivamma D, whose efforts ensured the smooth execution of the program.

Participants expressed high levels of satisfaction and appreciation for the workshop, acknowledging that it significantly enhanced their understanding of academic practices, institutional structures, and student-centric approaches. Overall, the FDP empowered the newly joined faculty to embark on their academic journey at DSU with confidence, clarity, and commitment.







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