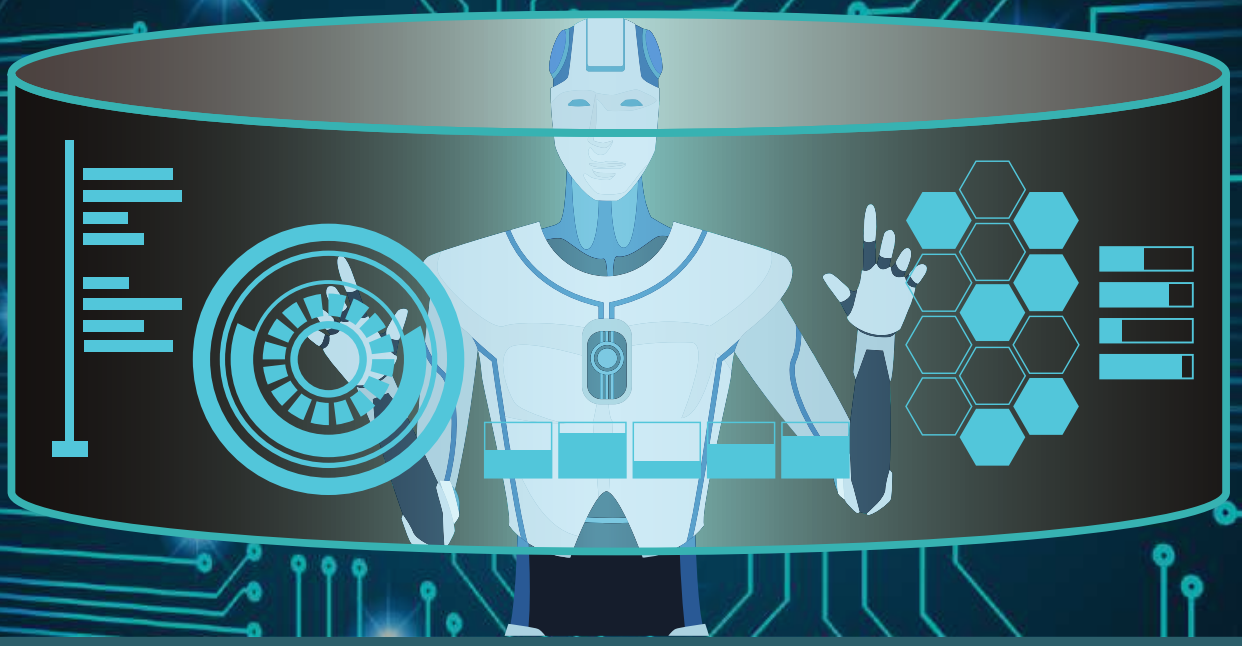
JULY- SEPTEMBER 2025 VOLUME 05 ISSUE 01



CSE EDUINSIDE

Department Newsletter

Department of Computer Science and Engineering, SOE, DSU, Harohalli

DAYANANDA SAGAR UNIVERSITY

VISION AND MISSION OF THE INSTITUTE

VISION

To be a centre of excellence in education, research & training, innovation & entrepreneurship and to produce citizens with exceptional leadership qualities to serve national and global needs.

MISSION

To achieve our objectives in an environment that enhances creativity, innovation and scholarly pursuits while adhering to our vision.

VISION AND MISSION OF THE SCHOOL

VISION

To transform life through Excellence and Innovation in Engineering Education and Research with an emphasis on Sustainable, Inclusive Technology and Global needs.

MISSION

To Develop School of Engineering at Dayananda Sagar University, as Center of Excellence by imparting Quality Education and Research to generate highly Competent,Skilled and Humane manpower to face emerging Technological, Scientific and Social challenges with Ethics, Integrity, Credibility and Social concern.

VISION AND MISSION OF THE DEPARTMENT

VISION

To be recognized as a department of eminence in Computer Science and Engineering focusing on sustainability, inclusive technologies and societal needs.

MISSION

The Department of Computer Science and Engineering is committed to:

M1: Impart quality technical education by designing and delivering contemporary Computer Science Engineering curricula while emphasizing leadership, ethics, values and integrity.

M2: Transform professionals into technically competent through industry-academia collaboration and innovation ecosystem.

M3: Prepare Computer Science and Engineering graduates to meet ever-growing societal needs.

ABOUT THE DEPARTMENT

The Department of Computer Science & Engineering was started in the year 2015. It offers Undergraduate Programme, B. Tech Computer Science & Engineering, which prepares students for the current and future demands of industry and the research world.

The Department offers a Master's Programme namely, M. Tech in Computer Science & Engineering. This programme prepares students to become leaders in knowledge driven professions. In order to provide ample opportunity for innovation and research, the department offers Doctoral Programme (PhD) in Computer Science & Engineering and allied areas.

The Department has collaborated with NTTF to offer Two Vocational Degree Programmes namely, B.Voc in Information Technology (Data Analytics), and B.Voc in Computer Engineering & IT Infrastructure. B.Voc is a three-year duration undergraduate programme. This program builds specific job skills in students so that they can serve the industries better.

The Department of Computer Science and Engineering (CSE) has thirty four faculty members with the doctorate degree and twenty eight pursuing the doctoral studies Programs offered by the Department include all sub disciplines and intellectual enterprises of Computer Science and Engineering Discipline.

The faculty members in the Department are active in the Research Areas of Artificial Intelligence, Machine Learning, Data Science, Network Security, Networks & IoT. Wireless Networks, Block Chain Technologies, Big Data, Data Mining, Data Analytics, Cloud Computing, Image Processing, Computer Vison and Video Analytics, Information Retrieval, etc. Apart from core courses, the Department also offers Liberal Studies Courses (as per NEP- 2020). Liberal studies focuses on creating synergy between Humanities, Social Sciences, Performing arts, Law, Management, Fine Arts, Yoga, Painting, Music etc.

Department has well equipped and state-of-the-art Laboratories to train students in various technologies. The Department also makes use of the Innovation Laboratories such as NVidia's High Performance Computing Lab & Analog Devices Lab to train its UG and PG students in the respective technology areas and research.

The Department also conducts value added courses on emerging technologies and industry specific domains. These courses are conducted beyond college hours/summer semester by the faculty of the department. The Department has MoU's with IT Industries like NVIDIA, Analog Devices, UiPath and CodeChef. Department also has several MOU's with academia such as Nokia University, Purdue Indiana University. The Department encourages students to take up MOOC based online courses in NPTEL, Coursera, Udacity and edX. The Department organizes Symposia, Exhibitions, Conferences, Seminars, Hackathons, and Workshops for both students and Faculty.

The Department has many Adjunct Professors/Professor of Practice who typically have positions at Industry or other institutions to bring in the industry expertise and research regour in our programmes. provide specialized supervision of student projects.

The students of CSE Department are placed in various top MNCs like IBM, Accenture, Capgemini, Cognizant, Wipro, Infosys, Mindtree, Intel, Mercedes Benz, Sap Labs etc. with an emolument in the range of 4.78 Lakhs to 27 Lakhs per annum.

DEAN'S MESSAGE

DR. UDAYA KUMAR REDDY K R
DEAN, SCHOOL OF ENGINEERING,
DSU

BE YOU
BE THE DIFFERENCE!!!

Welcome to the new way of learning at School of Engineering (SoE) of Dayananda Sagar University (DSU). At SoE, we are committed to helping you to make a positive difference in the world.

We at SoE are immensely proud to provide all of our students with an outstanding education that equips them with the skills, experience, and confidence required to stand out from the crowd. The School promotes Culture of Excellence including the culture of Interdisciplinary, Research, Creativity, Innovations, and Entrepreneurship on various Cutting-Edge Technologies. We at SoE, provide the World-Class Education that is Student-centric, Research-centric, and Educational space where all of our students will have a transformative education, learn to be independent critical thinkers, be societally and ethically responsible, and to have a broad understanding of the world. We value ability, not background, and we support all of our students to achieve their potential. We want you to enjoy your time here, confident that, upon completion of Engineering degree program under SoE, you will have the knowledge, expertise, and employability skills to set you on your chosen career path. The decision you make about where to study is an extremely important one. I am pleased you are considering the School of Engineering at DSU, and hope that you choose to continue your education with us.

BEST WISHES !

CHAIRMAN'S MESSAGE

DR. GIRISHA G S
PROFESSOR AND CHAIRMAN

Welcome to the Department of Computer Science & Engineering, School of Engineering at Dayananda Sagar University!

It is a matter of pride for me to present Issue 1, Volume 5 of the CSE Newsletter for the academic year 2025-26.

We are publishing this newsletter four times a year, providing you with regular updates about student and faculty achievements, as well as academic and research activities in the department.

In this issue, we are delighted to showcase the achievements and highlights of the department from the past three months.

I sincerely thank the editorial board, staff, and students for their wholehearted support in the preparation of this newsletter. I also invite you to share your comments and suggestions with us on how we can make this newsletter more meaningful to you.

BEST WISHES !

INDEX

DAYANANDA SAGAR UNIVERSITY

SEMINARS/WEBINARS /TECHNICAL TALKS

SEMINAR ON UNLOCKING INNOVATION: A SESSION ON AI, ENTREPRENEURSHIP AND STARTUPS

The Department of Computer Science and Engineering, School of Engineering, Dayananda Sagar University organized Unlocking Innovation from E-Cell club hosted on 23rd September 2025. Unlocking Innovation session on AI, Entrepreneurship and Startups is a dynamic session designed to inspire and empower aspiring entrepreneurs by exploring the intersection of Artificial Intelligence, startup culture, and entrepreneurial thinking.

The event brought in Mr. Sajju Jain. Board of Directors: Rereeti, CRDF & Harvard-HAA | Advisor to Award Winning Founders | Startup Architect to share insights on how AI is reshaping business models, driving disruption, and opening new avenues for startup success.

The Student and Faculty Participants has gained:

* A deeper understanding of AI's role in modern innovation
* Practical strategies for launching and scaling startups
* Real-world examples of AI-powered entrepreneurial ventures
* Networking opportunities with mentors and fellow changemakers.
* The Leadership skills in the AI Era.

The Overall session offered the tools and inspiration to turn ideas into impact and created a curiosity about the future of tech-driven entrepreneurship.

EXPERT TALK ON "MASTERING STATISTICS AND PROBABILITY USING MATLAB"

Dr. Natarajan Venkateswaran, Professor of practice, Department of CSE delivered the "Technical Expert Talk" on 26th and 27th of September 2025 on the topic "Mastering Statistics and Probability using MATLAB" organized by the Department of Computer Science and Engineering (AI & DS) at DSU. The 2 days workshop details are as below.

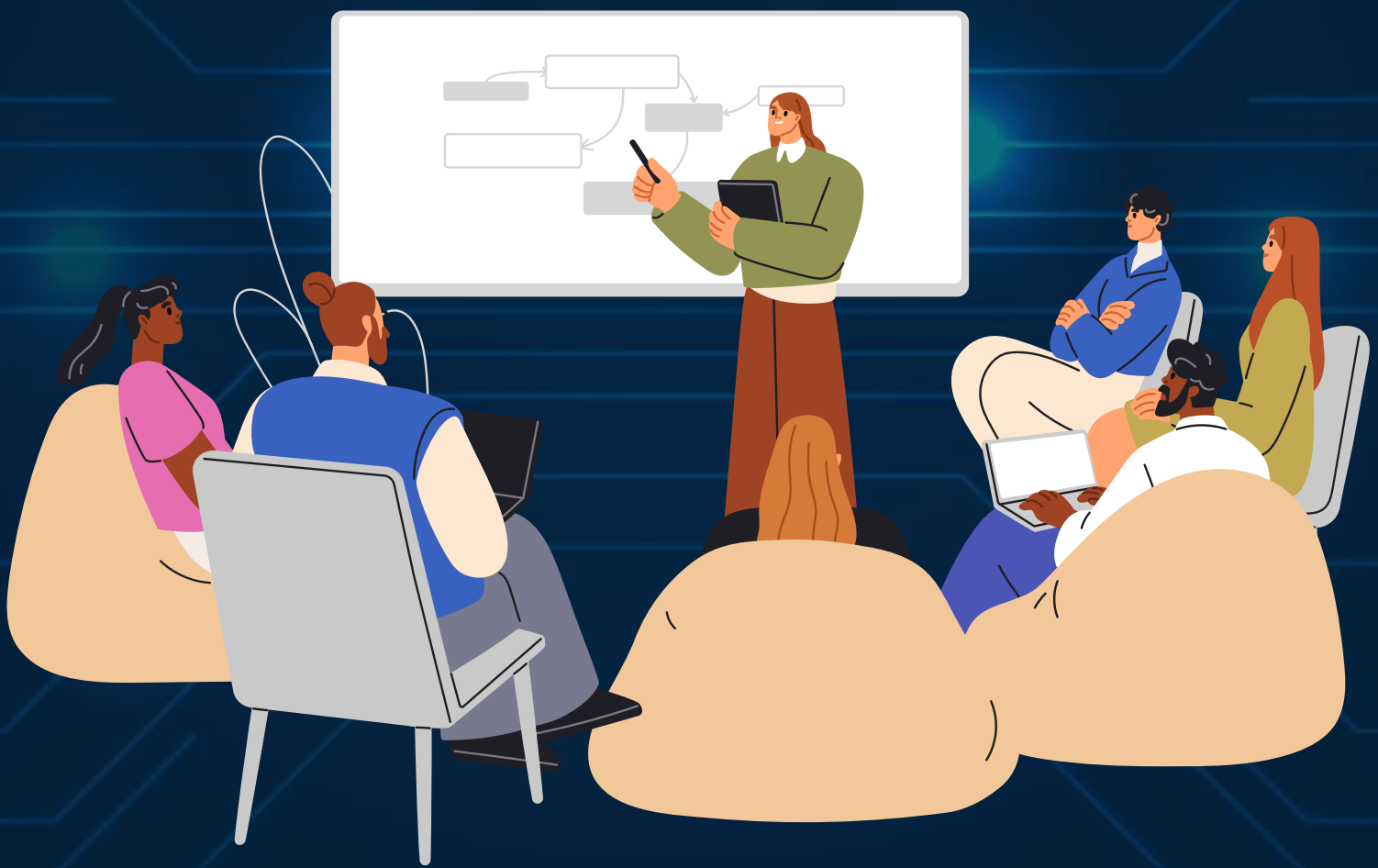
Day 1 - 26th September 2025 Participants learned MATLAB basics and its use in engineering and statistics, laying groundwork for advanced exercises.

Day 2 - 27th September 2025

Students applied MATLAB to real-world problems, covering topics such as drug analysis, image compression, statistical decision-making, Bayes Theorem, PCA, and hypothesis testing.

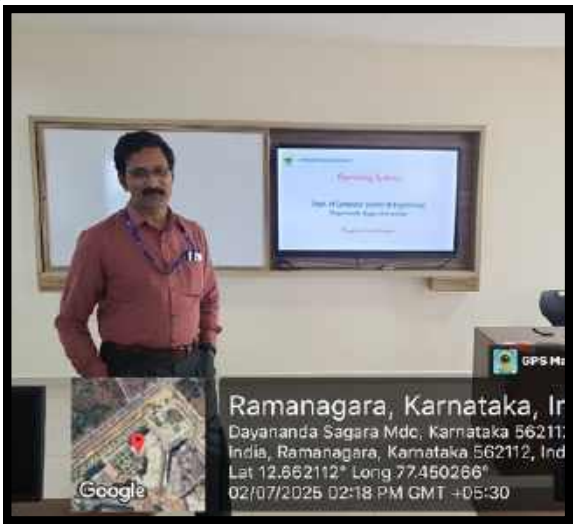
DAYANANDA SAGAR UNIVERSITY

WORKSHOPS/SKILL DEVELOPMENT PROGRAMS



ONE-WEEK HANDS-ON TRAINING PROGRAMME FOR NEWLY JOINED AND NON-TEACHING STAFFS

The Department of Computer Science & Engineering, SoE, Dayananda Sagar University organized a hands-on training program designed specifically for our newly joined, nominated teaching & non-teaching staff members from 30-06-2025 to 04-07-2025.. An "one week Hands-On on Training Programme on Lab courses" aims to enhance your skills, provide valuable insights, and equip you with practical skills to excel in your day-to-day responsibilities.



Topics covered- Data Structures using C, Digital Logic Design with FPGAs, Machine Learning using Python, Operating Systems using C, C programming, Python Programming. Outcomes of training: Gain practical insights into C programming, Python programming, Data Structure, Digital logic Design, Machine Learning, and Operating Systems. Enhance your understanding of fundamental Computer Science and Engineering concepts.

Faculty Coordinator:

Prof. Santhosh M

Prof. Gaurav Kumar

Prof. Manoj Kumar N I

WORKSHOP ON SNOWFLAKE PLATFORM TRAINING AI CLOUD SKILLS

The Department of Computer Science & Engineering, SoE, Dayananda Sagar University organized a Snowflake Platform Training AI Cloud Skills held on 25th July 2025. Introduction to Snowflake Cloud-native architecture. Launching a Snowflake Environment Participants were guided through the process of launching and configuring their own Snowflake instances. Snowflake platform provides robust datatype definitions, improving the integrity and consistency of stored data. Participants learned to collaborate across Snowflake accounts, enabling secure data sharing. Snowflake allows users to share data without physically copying it, maintaining a single source of truth and reducing storage costs.

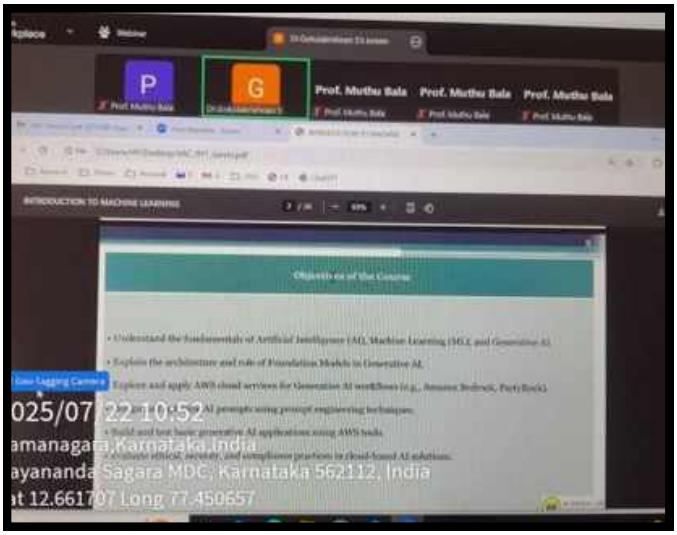
Helps in practical experience in cloud-based data warehousing, enhancing their ability to teach and guide students in real-world data analytics and cloud computing.The event served as a collaborative platform for educators and professionals from various institutions, enabling knowledge sharing and fostering a network of tech-driven academic partnerships. In this event 3 to 4 other college and university faculty joined and showed their interest to learn the new technology and all together made this event successful.

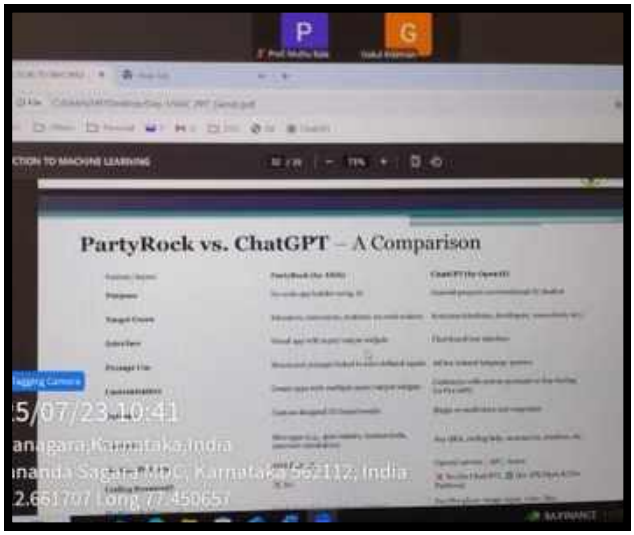
Coordinated by:

Dr. Savitha Hiremath, CSE

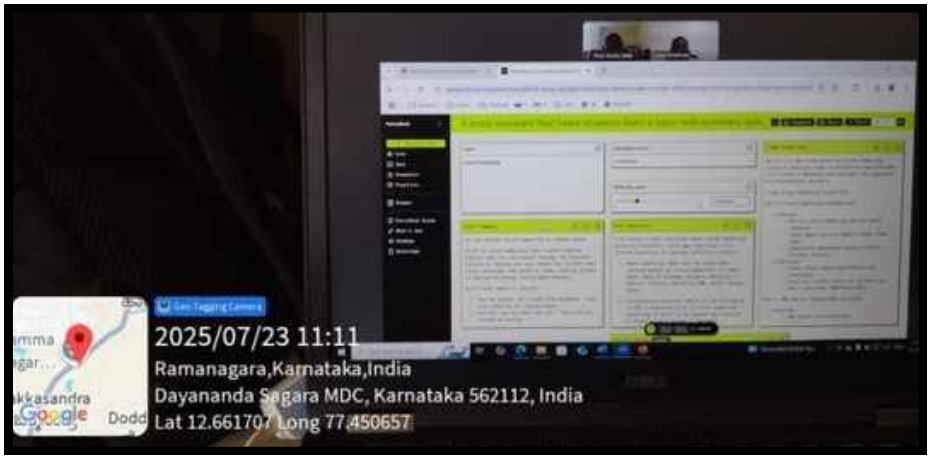
Dr. Vinutha N CSE (AI & ML)

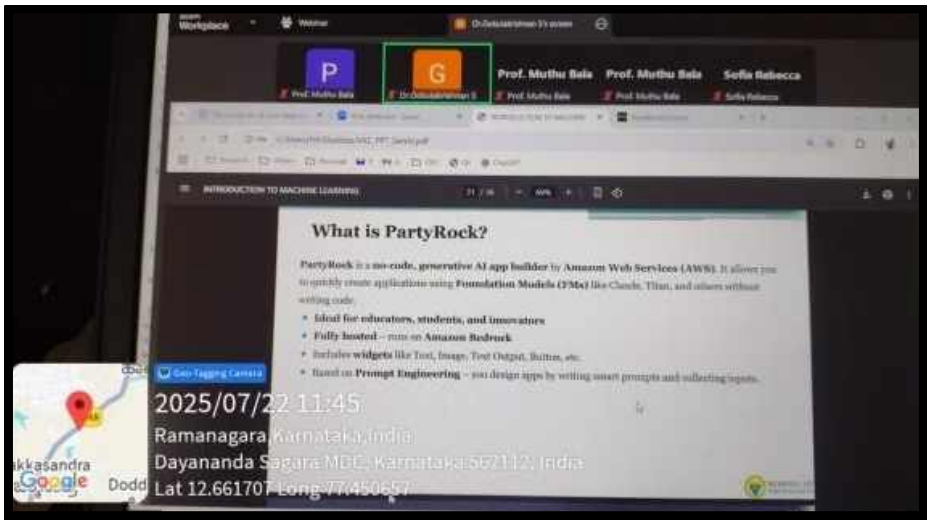
VALUE ADDED COURSE ON "GENERATIVE AI FOUNDATIONS: BUILDING CLOUD APPLICATIONS WITH AWS BEDROCK & PARTYROCK"





The Department of Computer Science & Engineering, SoE, Dayananda Sagar University organized a value added course "Generative AI Foundations: Building Cloud Applications with AWS Bedrock & PartyRock" held on 22/07/2025 to 26/07/2025.





This event introduces participants to core concepts of AI, ML, and Generative AI, focusing on hands-on experience with AWS tools like Amazon Bedrock and PartyRock. It empowers learners to build real-world AI applications while promoting ethical practices. By fostering digital skills and innovation, the event supports Quality Education and Decent Work & Economic Growth, advancing global sustainable development goals. Modules covered are: Introduction to Cloud and Generative AI, AI/ML and Generative AI Concepts, Foundation Models and AWS Bedrock, Prompt Engineering with PartyRock, Building GenAI Applications, Responsible AI, Security & Governance and Mini Project & Certification Bridge. Target audience 7th Sem Students - Empowered with cutting-edge AI and cloud skills, fostering innovation and leadership for national and global impact.

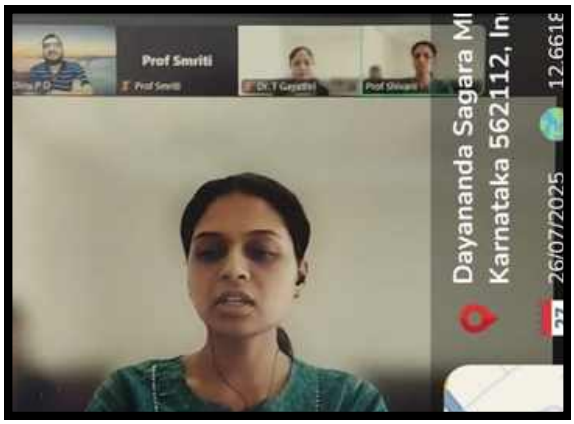
Resource Person:

Dr. Gokulakrishnan, Assistant Professor/CSE

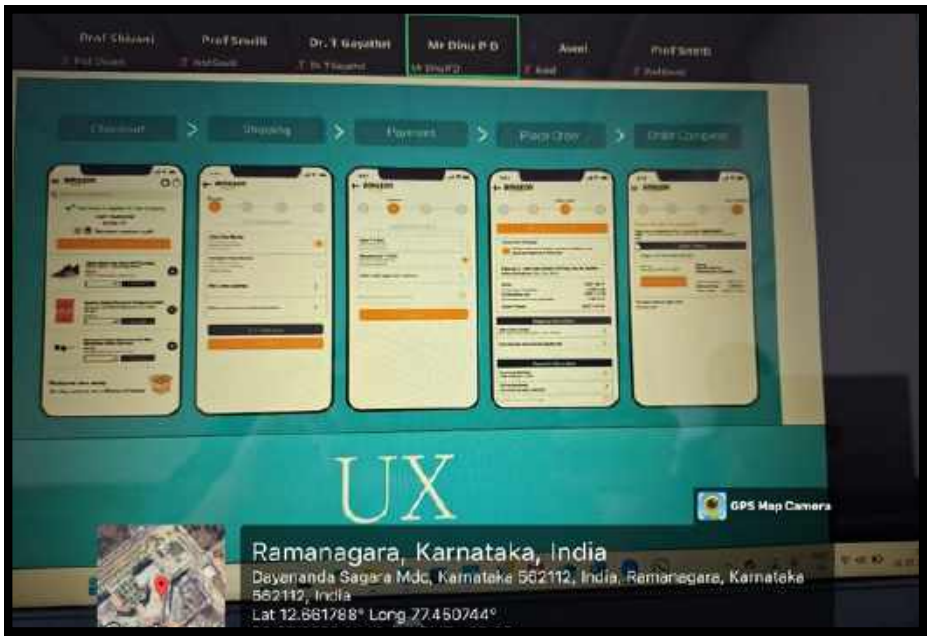
Faculty Coordinator:

Prof. Muthu Bala N, Assistant Professor/CSE

ONE-DAYWORKSHOP ON UI/UX



The Department of Computer Science & Engineering, SoE, Dayananda Sagar University organized a one day workshop on UI/UX held on 26/07/2025. The one-day workshop on User Interface and User Experience (UI/UX) design is a curated educational experience crafted for students, educators, and professionals aiming to understand and apply the principles of intuitive digital design. As technology continues to influence every aspect of human life, designing interfaces that are user-friendly, inclusive, and sustainable has become more critical than ever. Aligned with the United Nations' Sustainable Development Goal 9: Industry, Innovation, and Infrastructure, this event promotes innovation in the digital space while advocating for inclusive and responsible design practices.By fostering a culture of mindful creation, it contributes to building resilient digital infrastructure that serves diverse communities.



Ultimately, this workshop is more than a skill-building exercise for students; it's a platform to spark curiosity, nurture talent, and cultivate empathy in digital design.

Guest:

Mr. Dinu PD, Automation Engineer at VOIS Pune.

Faculty Coordinators:

Dr. T. Gayathri

Prof. Smriti Bharti

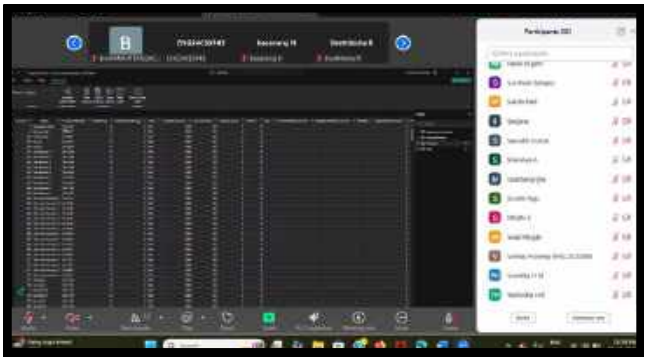
Prof. Shivani

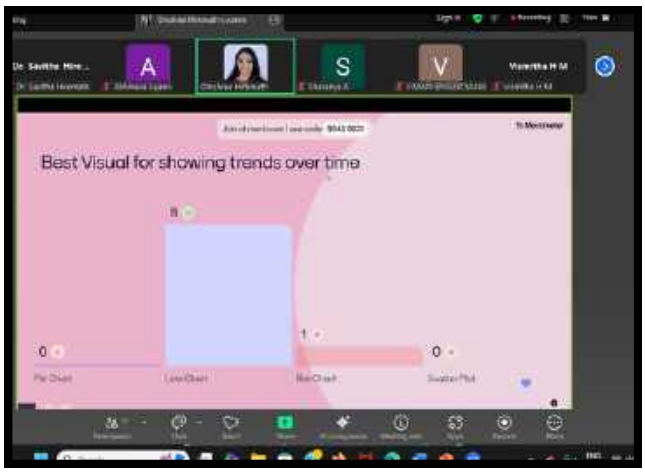
VALUE ADDED COURSE: "BUSINESS INTELLIGENCE ESSENTIALS: PREDICT, ANALYZE, AND VISUALIZE WITH RAPIDMINER & POWER BI"

The Department of Computer Science and Engineering, Dayananda Sagar University, organized a 5-Day Value Added Course on "Business Intelligence Essentials: Predict, Analyze, and Visualize with RapidMiner & Power BI" from 4th to 8th August 2025.

The program was conducted under the Data Analytics and Visualization Club and aimed to provide participants with practical knowledge of BI tools, data analytics, and AI/ML integration.

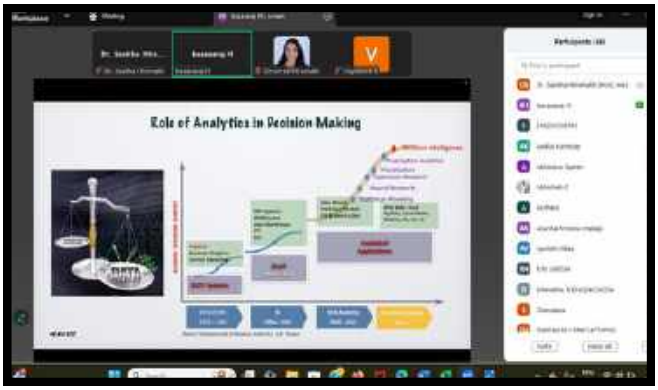
The course covered topics such as data lifecycle, data visualization, DAX, AI visuals, report design, dashboard creation, semantic modeling, and data security in Power BI. RapidMiner sessions focused on building, training, and evaluating ML models for classification, prediction, and sentiment analysis.

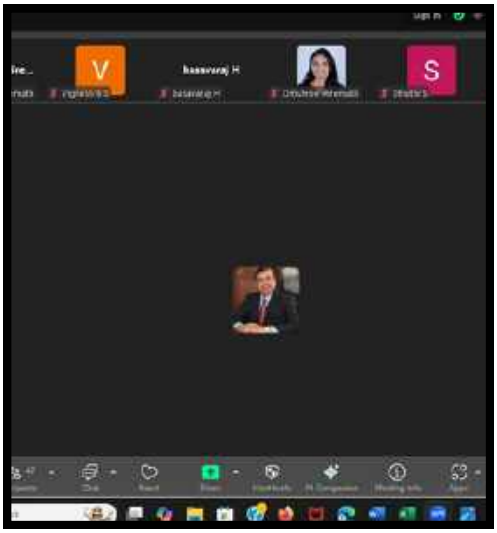




Hands-on training enabled participants to prepare and clean datasets, apply data modeling techniques, and create insightful dashboards.

Case studies on business reporting and sentiment analysis provided real-world problem-solving exposure. The course outcomes included applying BI concepts, creating dashboards with DAX functions, and developing ML models in RapidMiner. Quizzes were conducted to assess the participants' understanding. The event successfully bridged academic learning with industry-relevant skills, enhancing participants' ability to work on data-driven decision-making projects.





Resource persons:
Dr. Basavaraj N Hiremath (Professor, CSE)
Dr. Savitha Hiremath (Associate Professor, CSE)
Industry Expert:
Omshree R Hiremath (Associate Data Engineer, Shell Markets Pvt. Ltd.).

WORKSHOP ON ESSENTIAL COMPUTING SKILLS FOR RESEARCH METHODOLOGY

The Department of Computer Science and Engineering, in association with the College of Physiotherapy, organized a One-Day Workshop on "Essential Computing Skills for Research Methodology" on 9th August 2025 at Lecture Hall 4.

The program was designed to equip participants with essential digital skills required for producing high-quality research outputs. The sessions provided in-depth, hands-on training on professional document preparation in MS Word, including advanced formatting, automated table of contents, insertion of citations and references, and the integration of figures, tables, and captions to meet academic publishing standards. Participants also explored the powerful features of Excel for research data management, learning techniques for organizing datasets, applying formulas and functions for analysis, creating pivot tables for summarizing results, and performing basic statistical operations. Special emphasis was placed on designing visually compelling charts and graphs to communicate research findings effectively.

The workshop attracted active participation from students of the College of Physiotherapy and the School of Health Sciences, as well as lab instructors from the Department of CSE. By the conclusion of the workshop, attendees demonstrated improved proficiency in creating well-structured research documents, managing and analyzing data with accuracy, and presenting results in a clear, professional manner using effective visualizations.

Resource Persons:

Dr. Seema Tharannum,
Professor, Dept. of Biological Sciences
Dr. Savitha Hiremath,
Associate Professor, Dept of CSE

Student Coordinator:

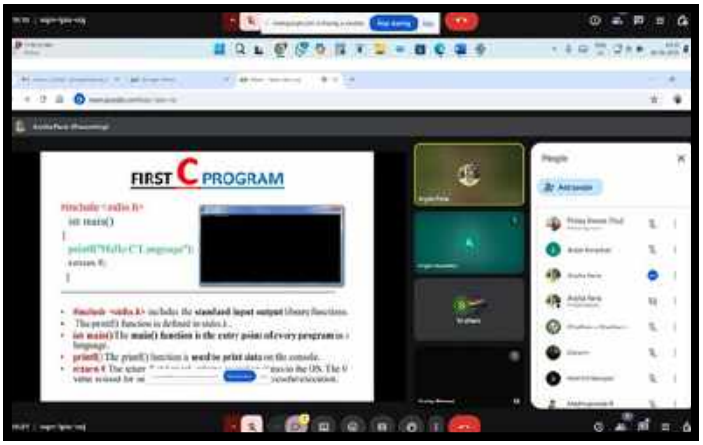
Pavan Kumar G R
5th sem, CSE, DSU

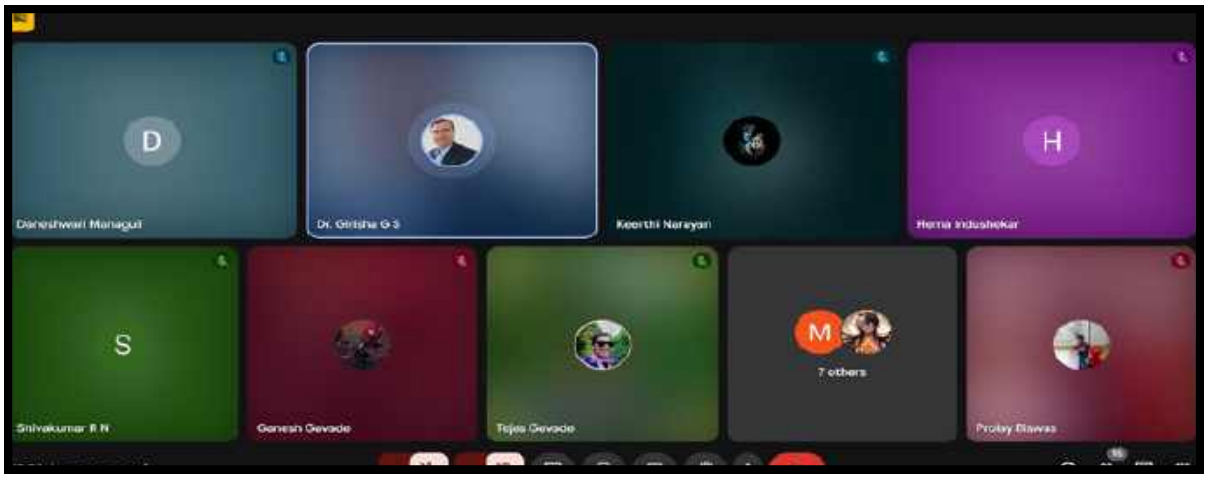
BRIDGE COURSE ON "C BASICS FOR DATA STRUCTURES"

The Department of Computer Science & Engineering at Dayananda Sagar University organized a 4-day Bridge Course on "C Basics for Data Structures" from 6th to 9th August 2025. This course aimed to strengthen foundational programming skills in the C language, serving as a preparatory module for understanding core data structure concepts. The event provided participants—especially first-year and lateral entry students—with practical insights and hands-on experience to build a strong base in structured programming. It is also aligned with SDG 4 (Quality Education) by promoting inclusive and equitable learning opportunities and SDG 9 (Industry, Innovation, and Infrastructure) by nurturing future-ready technical skills essential for computing and software development.

The Bridge Course on "C Basics for Data Structures" is designed specifically for lateral entry students to help them build a strong foundation in C programming, which is essential for understanding and implementing data structures effectively. This course aims to bridge the academic gap that may exist due to varied educational backgrounds, ensuring all students are well-prepared for core subjects in their computer science curriculum.

Through a combination of theoretical sessions and hands-on practice, participants will gain essential skills in C syntax, control structures, functions, pointers, and memory management all of which form the building blocks for studying data structures.





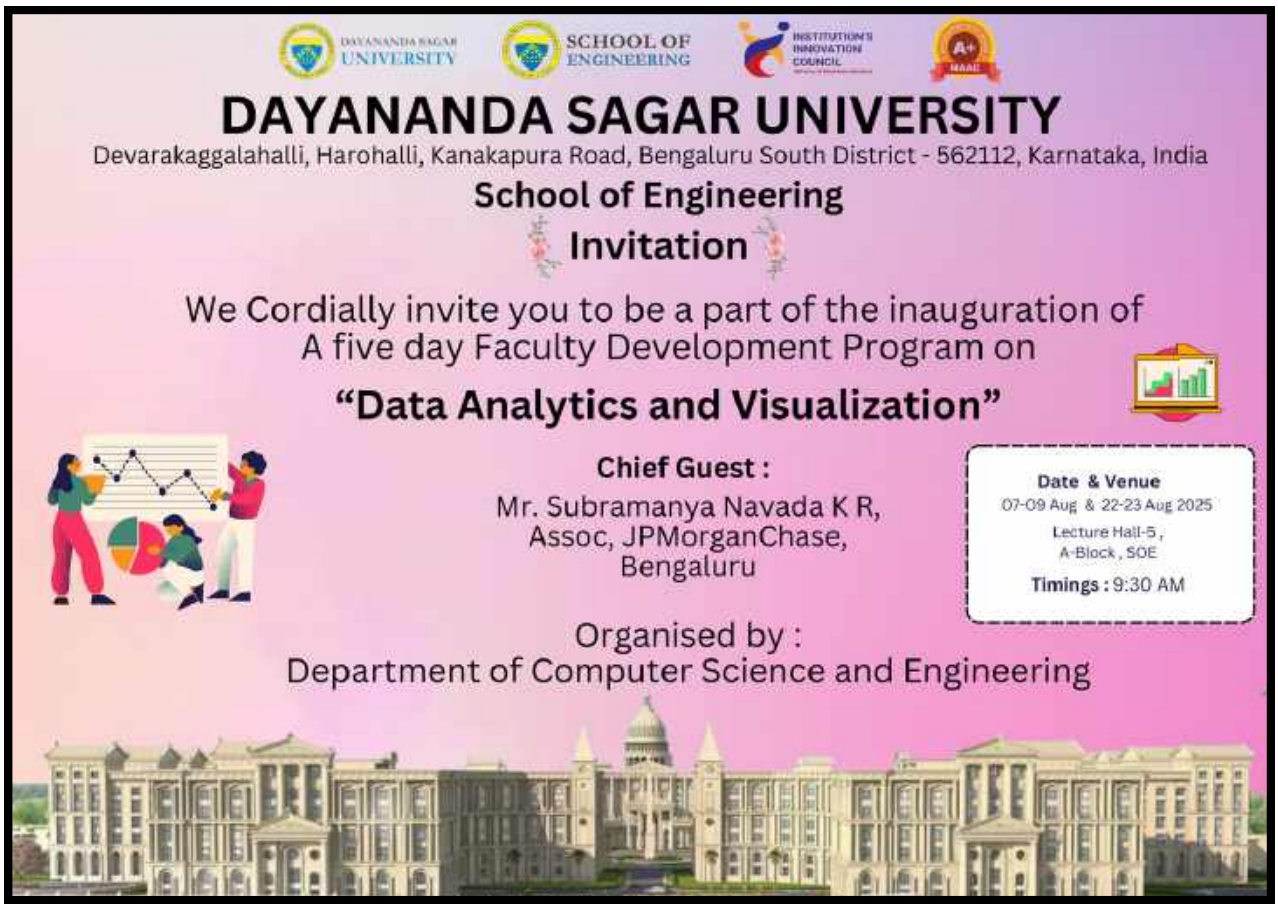
The course is led by experienced faculty members from the Department of Computer Science and Engineering, DSU, and emphasizes practical learning, logical thinking, and problem-solving abilities.

This initiative will empower lateral entry students to confidently transition into advanced programming and data structure concepts, aligning their skills with academic and industry expectation

Resource Person

Dr. Shreekant Salotagi,
Assistant Professor, CSE – DSU
Prof. Prolay Biswas,
Assistant Professor, CSE – DSU
Prof. Pavithra D,
Assistant Professor, CSE – DSU
Prof. Arpita Paria,
Assistant Professor, CSE – DSU

FIVE-DAY FACULTY DEVELOPMENT PROGRAM - "DATA ANALYTICS AND VISUALIZATION"



The Department of Computer Science and Engineering, Dayananda Sagar University, organized a Five-Day Faculty Development Program (FDP) on Data Analytics and Visualization from August 7th to 9th and 22nd to 23rd, 2025. The inaugural function was graced by Mr. Pradyoth Prashanth, Software Engineer, JP Morgan Chase & Co., and Mr. Subramanya Navada K R, Associate, JP Morgan Chase & Co., as the Chief Guests, who shared valuable insights on advancements and future directions in the field of data analytics. The FDP focused on essential topics such as data preprocessing, statistical analysis, exploratory data analysis (EDA), and machine learning, while also providing practical exposure to widely-used tools like Python (Pandas, Matplotlib, Seaborn, Plotly) for scripting and analysis, and platforms such as Tableau for interactive dashboards and business intelligence applications.

SCHOOL OF ENGINEERING

INSTITUTION'S INNOVATION COUNCIL

DAYANANDA SAGAR UNIVERSITY

Devarakaggalahalli, Harohalli, Kanakapura Road, Bengaluru South District – 562112, Karnataka, India.

Department of Computer Science and Engineering

5 Days Faculty Development Program (FDP) on Data Analytics and Visualization

Dates: 07th - 09th & 22nd - 23rd Aug 2025

ABOUT DAYANANDA SAGAR UNIVERSITY

Dayananda Sagar Institutions is accredited by NAAC with A+ grade founded in the 60s by one such visionary, Late Shri R Dayananda Sagar committed to take knowledge to the people, transforms today's students into responsible citizens and professional leaders of tomorrow. Dayananda Sagar University created by an Act of the Karnataka State in 2014, built on this adorable legacy and inspired by its own milestones, meeting the needs of quality higher education in this part of the world. Inspired by Innovators – Research, Innovation and Incubation (spread over 25,000 sqft of industry quality labs) form the core of DSU.

So it isn't surprising that DSU has taken the next logical step: Laying the foundation to transform the entrepreneurial dream of every young Indian and global citizen into a reality. Enabling this transformation is the active support of industry leaders, industry bodies and a dedicated 4 lakh square feet of modern ready-to-move-in infrastructure.

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering offers a dynamic eco-system for study, research and professional growth for the faculty and the students. It strives to groom its students to be competent IT professionals, researchers and entrepreneurs. The Computer Science and Engineering department actively involves in research & development. It has good collaborations with several industries, academic institutes and research & development organizations. The department's mission is to develop student's breadth of knowledge across the subject areas of computer science, including their ability to apply the defining processes of computer science theory, abstraction, design and implementation to solve problems in the discipline and across industry domains. It offers under graduate, post graduate and doctoral programmes. The department maintains a strong relationship with industry partners. Many students are benefitting with industry linked internship.

ABOUT FDP

This FDP aims to equip faculty members with fundamental to advanced knowledge in data analytics and visualization techniques. The program covers key topics such as data preprocessing, statistical analysis, exploratory data analysis (EDA), machine learning. The program also introduces widely-used tools and platforms such as Python (Pandas, Matplotlib, Seaborn, Plotly) for scripting and analysis, and Power BI and Tableau for interactive dashboards and business intelligence reporting.

TARGET AUDIENCE

Faculty Members, Research Scholars, and Students

CHIEF PATRONS

Dr. D. Hemachandra Sagar, Chancellor, DSU
Dr. D. Premachandra Sagar, Pro Chancellor, DSU

PATRONS

Shri. Galiswamy, Secretary, DSI
Dr. B. S. Satyanarayana, Vice Chancellor, DSU
Prof. R. Janardhan, Pro-Vice Chancellor, DSU
Dr. Prakash S, Pro-Vice Chancellor, DSU
Dr. C. Puttamadappa, Registrar, DSU
Dr. Udaya Kumar Reddy K R, Dean-SOE, DSU

CONVENER

Dr. Girisha G S, Chairperson - CSE

CO - CONVENERS

Dr. Revathi V, Associate Chairperson - CSE
Dr. Bipin Kumar Rai, Associate Chairperson - CSE

OBJECTIVES

- To enhance faculty members' understanding of fundamental and advanced concepts in data analytics and visualization.
- To offer practical exposure to popular data analysis tools and libraries, including Python (Pandas, Matplotlib, Seaborn) and platforms like Power BI and Tableau.
- To support the effective integration of analytics and visualization techniques into academic curricula, laboratory work, and research initiatives.
- To acquaint participants with essential processes such as data preprocessing, statistical analysis, and exploratory data analysis (EDA).
- To empower faculty to mentor students in data-driven projects, research endeavors, and consultancy engagements within the analytics domain.
- To foster the application of data-centric methodologies in interdisciplinary teaching, learning, and research practices.

TOPICS COVERED

- Fundamentals of data analytics, its types, and applications in academic and industry environments.
- Introduction to Descriptive and Inferential Statistics, Data Manipulation Analysis using Python Libraries.
- Data Preprocessing, Statistical Analysis, and Exploratory Data Analysis (EDA).
- Creating meaningful visualizations using Matplotlib, Seaborn etc.
- Designing user-centric AI features by aligning data insights with business objectives.
- Strategies for embedding analytics topics in teaching, lab sessions, and assignments.
- Generative AI for Practical Business Solutions - Beyond theory, how Generative AI (LLMs, Diffusion Models) is actually being used in data augmentation.
- How data science insights are translated into viable, revenue-generating products and features.

RESOURCE PERSONS

- Mr. Pradyoth Prashanth, Software Engineer, JP Morgan Chase & Co.
- Mr. Subramanya Navada K R, ASSOC, JP Morgan Chase & Co.
- Mr. Anand Mannikeri, Data Engineer, Publicis Sapient.
- Mr. KV Subbaiah Setty, Founder Partner, DTC Infortech (P) Ltd
- Dr. Soumen Ray, Chief Data Scientist, Coca Cola India

FDP COORDINATORS

Dr. P Naresh, Assistant Professor, CSE
7032525240
naresh-cse@dsu.edu.in
Dr. Chetan V Sagarnal, Assistant Professor, CSE
9620859729
chetan.sagarnal-cse@dsu.edu.in

FDP ORGANIZERS

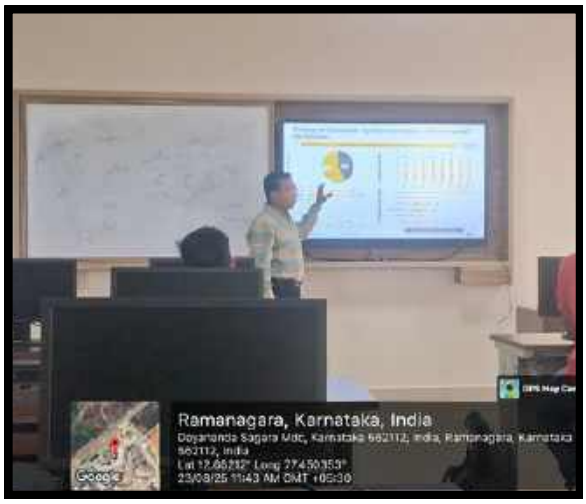
Dr. Basavaraj N. Hiremath, Professor, CSE
Dr. George Fernandez I, Associate Professor, CSE
Dr. Sasikala N, Assistant Professor, CSE
Prof. Kavyashree I Pattan, Assistant Professor, CSE
Prof. Bharath M B, Assistant Professor, CSE

REGISTRATION LINK

https://forms.gle/HTNFRu6GovA7ejRk7

VENUE

A Block – First Floor – LH 5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Through this program, participants enhanced their conceptual knowledge and developed hands-on expertise in integrating analytics and visualization techniques into academic curricula, laboratory practices, and research initiatives. The FDP further empowered faculty members to mentor students in data-driven projects, consultancy engagements, and interdisciplinary research. The program was designed to equip 35 faculty members from the Computer Science and Engineering cluster with both fundamental and advanced knowledge in data analytics and visualization. The sessions encouraged a data-centric teaching and research culture, strengthening the ability of faculty to apply advanced analytical methods for solving real-world problems.

Chief Guest & Speakers

Mr Pradyoth Prashanth, Software Engineer, JP Morgan Chase & Co.

Mr Subramanya Navada K R, Assoc Software Engineer, JP Morgan Chase & Co.

Speakers

Mr Anand Mannikeri, Data Engineer, Publicis Sapient.

Mr K V Subbaiah Setty, Founder Partner, DTC Infortech (P) Ltd.

Dr. Soumen Ray, Chief Data Scientist, Coca Cola India.

FDP Coordinator

Dr. P Naresh, Assistant Professor, Dept of CSE

Dr. Chetan V Sagarnal, Assistant Professor, Dept of CSE

FDP Organizer

Dr. Basavaraj N. Hiremath, Professor, Dept of CSE

Dr. George Fernandez I, Associate Professor, Dept of CSE

Dr. Sasikala N, Assistant Professor, Dept of CSE

Prof . Kavyashree I Pattan, Assistant Professor, Dept of CSE

Prof. Bharath M B, Assistant Professor, Dept of CSE

CAMPUS 2 CORPORATE (C2C) WORKSHOP FROM NOKIA

The Department of Computer Science and Engineering, Dayananda Sagar University, organized - The Campus to Corporate (C2C) Workshop by Nokia, hosted on 29th August 2025, successfully bridged the gap between academic learning and the professional world. The full-day program engaged students in insightful sessions on Effective Communication, Collaborative Leadership, Project Management, Time Management, Self-Awareness, Critical Thinking, and Design Thinking. These were delivered by experienced Nokia professionals – Adarsh R (Product Owner), Neetha A S (Project Manager), and Alen S Thomas (NBUC SPOC for Nokia) – who brought real-world perspectives, interactive activities, and practical guidance that enriched the learning experience for all participants.

The collaboration between Nokia and DSU proved highly impactful, aligning global industry expertise with academic excellence. Coordinated by Dr. Sivananda Reddy (NBUC SPOC for DSU) and Santhosh M (Faculty Coordinator), the workshop provided immense value by equipping students with the right mindset and skillset to transition confidently from campus life to corporate careers.

The initiative not only enhanced their professional readiness but also strengthened the spirit of industry-academia partnership, preparing students to emerge as innovative, resilient, and future-ready leaders.

We sincerely thank the Dean of the School of Engineering and the Chairperson of the CSE Department for their encouragement and support in organizing such impactful events, which play a vital role in shaping students' future career journeys.

Faculty Coordinator:
Dr. Sivananda Reddy
Associate professor
(NBUC SPOC for DSU)

Santhosh M
Assistant professor

DAYANANDA SAGAR UNIVERSITY

EVENTS/PROFESSIONAL SOCIETIES/CLUB ACTIVITIES/FDP

ORIENTATION PROGRAM FOR NEWLY JOINED FACULTY – DEPARTMENT OF CSE

An orientation program for the newly joined faculty members was successfully conducted by the Chairperson of the Department of Computer Science and Engineering (CSE), SoE on 14th July 2025. The session aimed to familiarize the new faculty with the institutional framework and departmental expectations.The following key areas covered during the session are: History of Dayananda Sagar University (DSU): An overview of the university's legacy, vision,and milestones.

Academic Rules and Regulations: Detailed explanation of academic policies, examination norms, and student evaluation criteria.Research Activities and Teaching-Learning Practices: Emphasis on the department's ongoing research initiatives, publication guidelines, and innovative pedagogical methods.Usage of ERP System: Guidance on effectively using the ERP platform for academic and administrative tasks.The session provided valuable insights and served as a platform to align the new faculty with the university's mission and departmental objectives.

https://swayam.gov.in/nc_details/NPTEL

Swayam NPTEL Courses you can choose in place of curriculum based Liberal studies
(4 weeks course)

DAYANANDA SAGAR UNIVERSITY

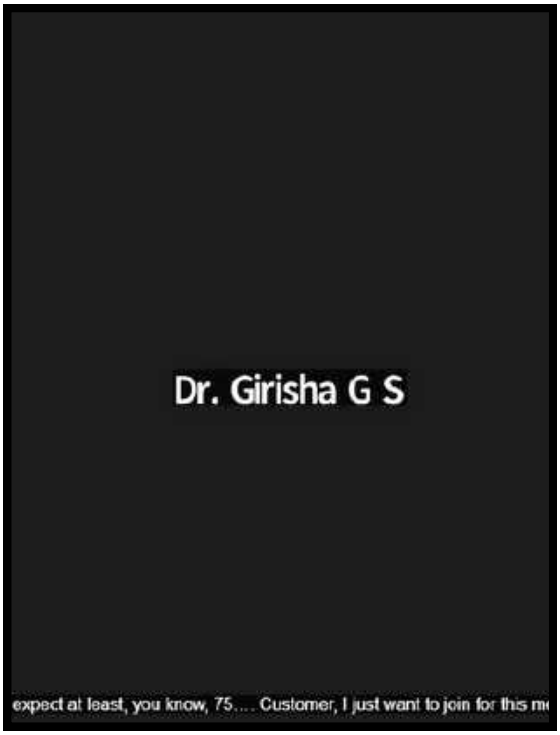
Sl. No.	Course ID	Course Name	SME Name	Duration	Start date	End date	Exam date	Enrollment End date	Exam Registration End date
328	noc25-de18	Innovation by Design	Prof. B.K. Chakravarthy	4 Weeks	July 21, 2025	August 15, 2025	September 21, 2025	July 28, 2025	August 15, 2025
487	noc25-hs140	Stress Management	Prof. Rajlakshmi Guha	4 Weeks	July 21, 2025	August 15, 2025	September 20, 2025	July 28, 2025	August 15, 2025
492	noc25-hs144	Indian Science and Sustainability	Prof. Jonia Mukherjee	4 Weeks	July 21, 2025	August 15, 2025	September 20, 2025	July 28, 2025	August 15, 2025
507	noc25-hs161	Body Language: Key to Professional Success	Prof. Rashmi Gaur	4 Weeks	July 21, 2025	August 15, 2025	September 21, 2025	July 28, 2025	August 15, 2025
521	noc25-hs175	Brief Introduction to Psychology	Prof. Braj Bhushan	4 Weeks	July 21, 2025	August 15, 2025	September 21, 2025	July 28, 2025	August 15, 2025
546	noc25-hs200	Introduction to Indian Art - An Appreciation	Prof. Soumik Nandy Majumdar	4 Weeks	July 21, 2025	August 15, 2025	September 21, 2025	July 28, 2025	August 15, 2025
556	noc25-hs207	Sociology and Resource Management	Prof. Archana Patnaik Prof. Amrita Sen	4 Weeks	August 18, 2025	September 12, 2025	November 2, 2025	August 18, 2025	August 29, 2025
635	noc25-mg124	Business and Sustainable Development	Prof. Trupti Mishra	4 Weeks	August 18, 2025	September 12, 2025	November 2, 2025	August 18, 2025	August 29, 2025
680	noc25-mg131	Gender Justice and Workplace Security	Prof. Dipa Dube	4 Weeks	August 18, 2025	September 12, 2025	November 1, 2025	August 18, 2025	August 29, 2025
		Moral Thinking: An Introduction to Values			August 18,	September 12,			

The session was a well-received initiative that not only clarified key academic choices but also inspired students to take charge of their learning journey. The presence and guidance of senior faculty members ensured that students left with a clear understanding of their responsibilities and opportunities as they enter their 3rd semester.

Coordinated by:
Prof. Arjun Krishnamurthy
Assistant Professor and Batch Advisor 2nd year CSE
Department of Computer Science & Engineering, SoE, DSU

CHAIRPERSON'S ADDRESS TO 2ND YEAR CSE STUDENTS (ENTERING 3RD SEMESTER)

III SEMESTER										
S.N	Course Code	Course Name	Teaching Hours / Week				Examination			Credits
			Lecture	Tutorial	Practical	Project	CIE Marks	SEE Marks	Total Marks	
			L	T	P	J				
1		TRANSFORMS AND NUMERICAL TECHNIQUES	3	0	0	0	60	40	100	3
2		DATA STRUCTURES	3	0	2	0	60	40	100	4
3		DIGITAL LOGIC DESIGN	3	0	2	0	60	40	100	4
4		DISCRETE MATHEMATICS& GRAPH THEORY	3	0	0	0	60	40	100	3
5		FULL STACK DEVELOPMENT	3	0	0	2	60	40	100	4
6		SKILL ENHANCEMENT COURSE – I	1	0	2	0	100	--	100	2
7		LIBERAL STUDIES/MOOC	1	0	0	0	50		50	1
8		COGNITIVE AND TECHNICAL SKILLS – III	-	-	-	-	-		-	Pass/Fail
		Total	17	0	06	02	450	200	650	21



The Department of Computer Science & Engineering, SoE, Dayananda Sagar University conducted on July 9, 2025. Attendees 480 students of 2nd Year CSE. The session to mark the academic progression of 2nd-year CSE students as they prepare to enter their 3rd semester. The Chairperson, Dr. Girisha G.S., addressed the gathering to provide clarity on the academic structure, skill enhancement tracks, and liberal studies options. The session also aimed to motivate and guide students toward making informed academic and personal choices going forward. Dr. Girisha G.S. opened the session by welcoming the students and offering a strategic overview of the B.Tech CSE curriculum. Prof. Arjun, the Batch Advisor for the 2nd-year cohort, followed the Chairperson's address with an encouraging and forward-looking motivational session.

M.TECH ORIENTATION PROGRAM

The Department of Computer Science and Engineering, SOE organized the M.Tech First Year Orientation Programme 2025-26 on 17th September 2025 at LH-1, A Block, School of Engineering. The session began with a welcome address by Dr. Praveen Kulkarni, followed by an inaugural address by the Chairperson, Dr. Girisha G S. Faculty members introduced themselves and highlighted their areas of expertise. Students were briefed on the M.Tech curriculum, research opportunities, and departmental resources including labs, library, and support services. The programme concluded with an interactive Q&A session and vote of thanks.

ORIENTATION PROGRAM -7TH SEM CSE

The Department of Computer Science & Engineering, SOE, Dayanada Sagar University has conducted an orientation program for 7th semester students on 22nd August 2025 for all 9 sections in their allotted classroom by class advisors. In this program class advisors explained about

Department Vision and Mission:
Class Time Table, Scheme and syllabus
Courses
Time Table
CIE and SEE marks division 60:40
Department Hierarchy
Class committee
Importance of Attendance
Class Discipline
Mentoring activities
Placement activities-Upcoming
Competition and internships.
Examination activities
NAAC, NBA.
Department clubs
WhatsApp groups, Google mail IDs, and Google Classrooms

ORIENTATION PROGRAM -5 TH SEM CSE

The Department of Computer Science & Engineering, SOE, Dayanada Sagar University has conducted an orientation program for 5th semester students on 11nd August 2025. The objective of this orientation was to welcome students into their new academic year, familiarize them with the upcoming curriculum, departmental activities, industry expectations, and prepare them for advanced learning and professional growth.

The program was conducted with the following objectives:

- To familiarize students with the Departmental Vision and Mission.
- To provide an overview of the 5th semester academic curriculum.
- To inform students about electives, laboratory courses, and project work.
- To orient students towards industry-aligned skills such as internships, coding platforms, and certifications.
- To create awareness about placement activities, departmental clubs, and mentoring initiatives.
- To highlight the importance of research, higher studies, and entrepreneurship opportunities.
- To strengthen awareness of discipline, ethics, professional growth, and active participation in departmental activities.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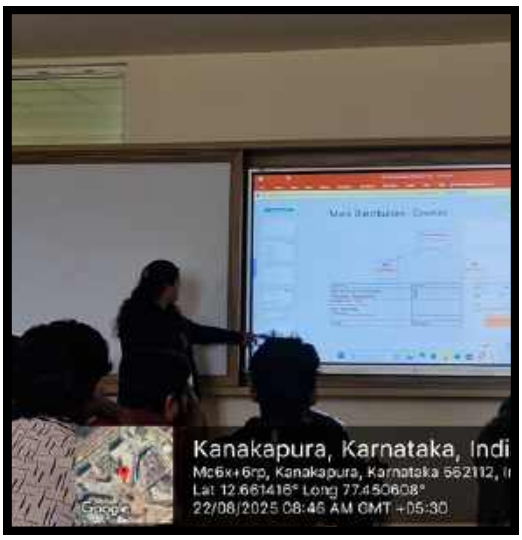
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Vision & Mission
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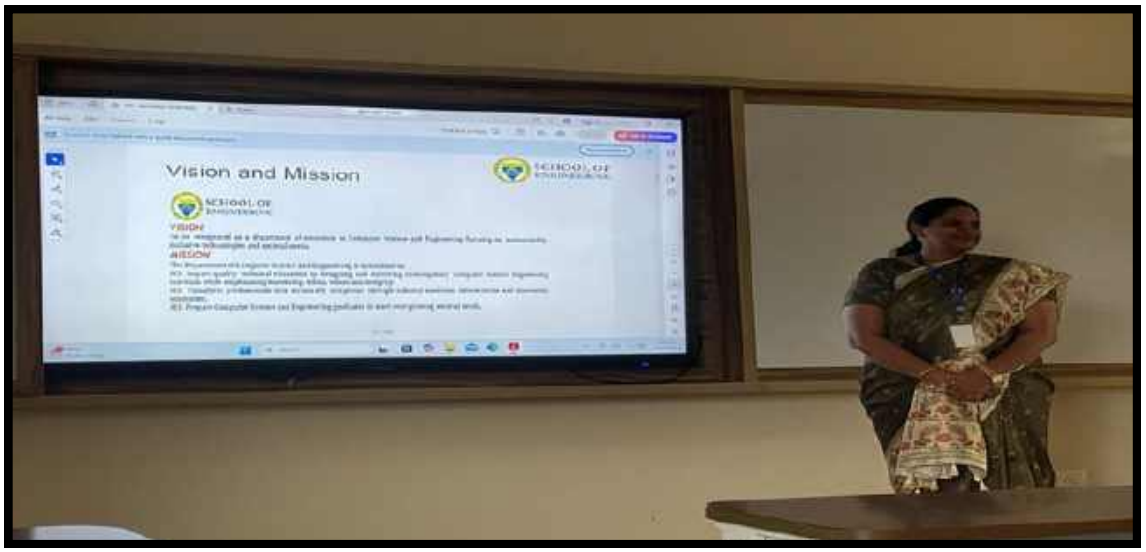
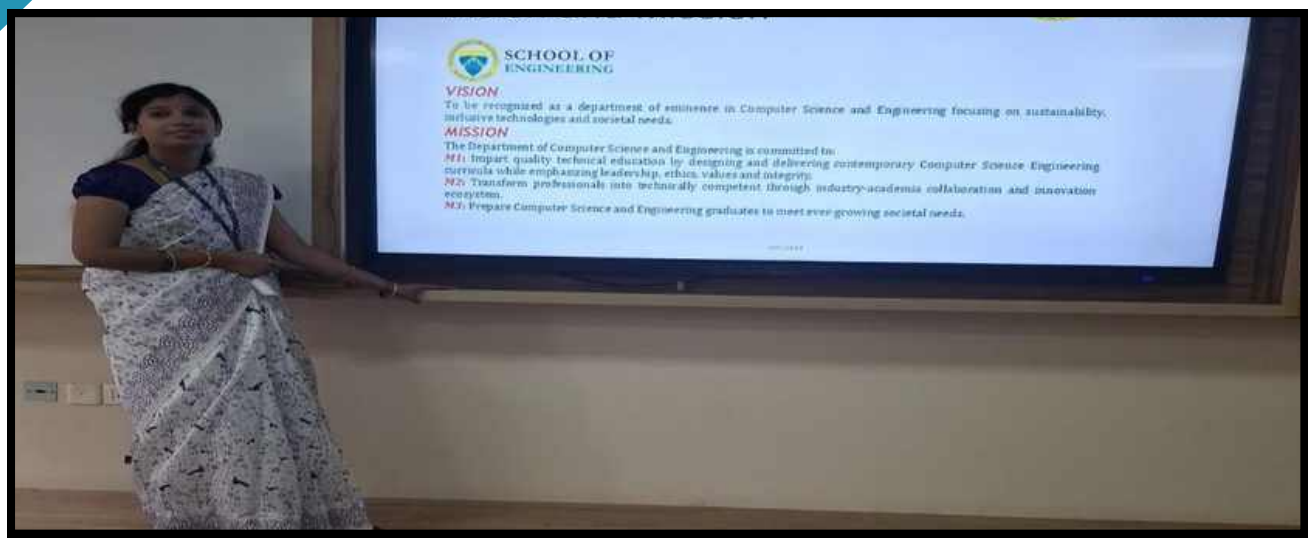
Vision and Mission


Vision and Mission


SCHOOL OF
ENGINEERING
VISION
To be recognized as a department of eminence in Computer Science and Engineering focusing on sustainability, inclusive technologies and societal needs.
MISSION
The Department of Computer Science and Engineering is committed to:
M1: Impart quality technical education by designing and delivering contemporary Computer Science Engineering curricula while emphasizing leadership, ethics, values and integrity.
M2: Transform professionals into technically competent through industry-academia collaboration and innovation ecosystem.
M3: Prepare Computer Science and Engineering graduates to meet ever growing societal needs.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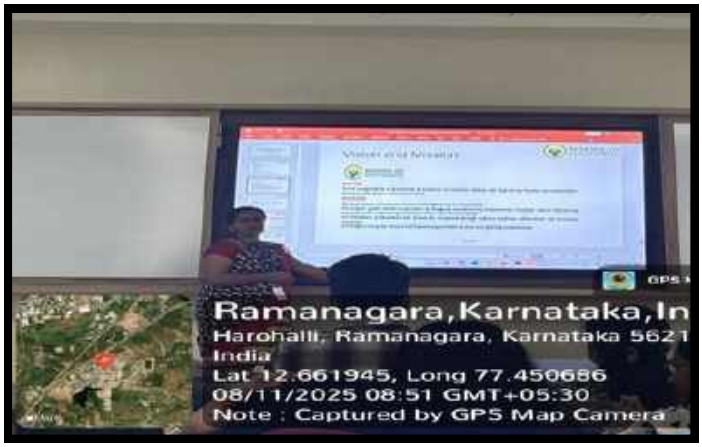
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ORIENTATION PROGRAM - 3 RD SEM CSE

The Department of Computer Science & Engineering, SOE, Dayanada Sagar University has conducted an orientation program for 5th semester students on 11nd August 2025.The orientation started with Vision and Mission of the department, then general information about the semester and the Course objectives syllabus and course outcomes, how the entire semester would be working activities and also the importance of the curriculum, and importance of attendance, informing about university regulations, discipline, mentoring, DO'S, and DON'TS. Then gave complete insight about placements, NBA, NAAC and department Clubs and also mentioned the involvement of the students in the departmental activity.

ALUMNI TALK AS PART OF THE FIRST YEAR ORIENTATION PROGRAM 2025

The Department of Computer Science & Engineering, SoE, Dayananda Sagar University organized as part of the First Year Orientation Program 2025 on 29th August 2025 at Dayananda Sagar University, an Alumni Talk was organized exclusively for the freshers. The session featured Ms. Bhagyalaxmi of 2020-24 batch, a proud alumna of Computer Science and Engineering.She is Software Engineer - R & D at Telaverge Communications .

She delivered an impactful talk that deeply resonated with the students. She shared her professional journey with honesty and enthusiasm, reflecting on the challenges she overcame and the milestones she achieved. She emphasized how her years at DSU laid a strong foundation for her career and urged the students to make the best use of every opportunity the university offers—whether in academics, research, co-curriculars, or personal growth.In her presentation titled "Your Next Chapter: More Than a Degree, Building a Life of Purpose", she covered key topics including navigating through career paths, mastering time management, conducting SWOT analysis, embracing the AI revolution and identifying essential skills to build.

She also emphasized the importance of respect, responsibility, kindness, hard work, humility, and lifelong learning as foundational values for personal and professional growth.Her words of encouragement inspired the first-year students to dream big, stay focused, and believe in their potential. The freshers found her journey relatable and motivating, as she bridged the gap between their current stage and the possibilities that await them.

In addition to the live alumni talk, a special video byte in collaboration with the India Today channel was presented 23/8/2025 featuring alumni who have demonstrated exceptional growth in their careers, as successful entrepreneurs, or through their achievements such as admission via JEE

Dayananda Sagar University alumni spoke about their career journeys, highlighting how the university supported their growth and shaped their success. This showcased the strong alumni network of DSU and served as an inspiration for the new students.

ALUMNI AWARDS 2025

The Department of Computer Science & Engineering, SoE, Dayananda Sagar University Celebrated Alumni Excellence at DSU at SOE level on 29th August 2025 . We are proud to honor our distinguished alumni with the Excellence in Career Advancement Award 2025. Their dedication, achievements, and continued support stand as an inspiration to our students and a testament to the strong DSU legacy. From the CSE department six Alumni got the award.

The Department of Computer Science and Engineering congratulating alumni for bagging the prestigious awards to all the winners for making a lasting impact beyond the campus.

Award students list:

ADITYA MUKUND SARWADE

ASHFAQ AHMED A

TAMANNA VERMA

KIRAN B MALAGI

TRISHAL DHAYANANDA

HARSHA GUPTA

DEVHACK 2.0 - A 36-HOUR NATIONAL HACKATHON

The Department of Computer Science & Engineering, SoE, Dayananda Sagar University organized DevHack 2.0 is a premier hackathon hosted on 12th and 13th September, bringing together innovative minds, passionate developers, and creative problem-solvers under one roof. This dynamic platform empowers students and professionals to collaborate, code, and create groundbreaking solutions for real-world challenges. With expert mentorship and exciting problem statements across multiple domains, DevHack 2.0 fuels innovation, teamwork, and learning. Beyond competition, it fosters networking opportunities with industry leaders and peers, inspiring participants to push boundaries and showcase their talent. DevHack 2.0 isn't just a hackathon- it's a celebration of creativity, technology, and the spirit of building a better future.




Participant Details DevHack 2.O

Number of Registrations: 4000+ participants from 220+ colleges all over India

Number of Teams: 700+ teams submitting ideas. These ideas hence submitted were evaluated by 11 esteemed judges from across the nation, who are none other than the people working from the industry. The idea submission deadline was 20th August, 2025, and the shortlisted teams.(60 teams) were announced on 1st September, 2025. Out of 700 submissions, 60 teams were shortlisted

Number of Evaluation Rounds: 3 evaluation rounds were conducted throughout the hackathon. No shortlisting of the teams was done in any round.

A total of 11 distinguished industry experts from diverse domains graced the hackathon, offering their expertise and guidance. Over the course of two days, they provided invaluable mentorship and served as judges, supporting participants throughout the event.




The following are the esteemed professionals who joined us:

1. Kumar Satyarth: Smart Contract Developer,Puffer Finance
2. Ashish Shukla: Lead Software Engineer, EPAM Systems
3. Tarun Agarwal: SDE 2, Gocomet India Pvt Ltd
4. Devraj Kumar: SDE2, Oracle
5. Mritunjai Rai: SDET, Gojek
6. Abhay Singh: SDE 2, Outcomes
7. Prashant Srivastava: Blockchain Developer, SimplyFI Softech India Pvt. Ltd.
8. Abhay Chauhan: SDE-2, DomePe
9. Ayush Gupta: Software Engineer III, Walmart Global Tech
10. Upasana Singh: SDE-2, Flipkart
11. Vishwachi Choudhary: QA Lead, IBM ISL

Day 1:-

The participants continued to code from 10:00 AM. The first round of the mentorship session was scheduled at 4:00 PM. During this time, participants received valuable guidance and mentorship from the experts, enabling them to refine their ideas and strengthen their vision.

The panel of judges was split to evaluate the teams' projects, assessing them on key criteria such as innovation and novelty, feasibility and relevance, technical complexity, and market potential.

Followed by Cultural Night to keep the participants engaged and energized, the organizers arranged an evening of light entertainment and fun activities, ensuring an atmosphere of enthusiasm and renewed energy throughout the night.This was fuelled by some fun games involving participants, dance performances, poems, beat boxing and even a magic show.

Day 2:-

The coding continued on Day-2 as well. The 2nd evaluation session started at 6:00 AM followed by a mentoring session 2 at 10:00 AM. The 2nd evaluation round focussed on key criteria like sustainability and practicality, scale of impact and UX, presentation and clarity, progress and milestones.

The final idea submission was scheduled at 2:00 PM on 13th September. Followed by the final evaluation by the judges at 2:30 PM.


DSU DEVHACK 2.0
WINNER


DSU DEVHACK 2.0
FIRST RUNNERS UP


SECOND RUNNERS UP

Results Announced: -

The final results were announced and the teams came forward to receive their prestigious award from the dignitaries. The following are the winners:-

1. DevHack 2.0 Winners: Sudo wudo (MS Ramaiah Institute of Technology)
2. DevHack 2.0 Runners Up: AquaSense (Heritage Institute of Technology)
3. DevHack 2.0 2nd Runners Up: Last Commit (Dayananda Sagar University)
4. DevHack 2.0 Appreciation Award ₹10k: The iterators (Nandha Engineering College)
5. DevHack 2.0 Appreciation Award ₹10k: Digital Dharmas (Pimpri Chinchwad College of engineering and research)
6. DevHack 2.0 Appreciation Award ₹5k: Prometheus (Dayananda Sagar University)

MLH Gemini Track Winner: Sudo wudo (MS Ramaiah Institute of Technology)

MLH Auth0 Track Winner: JAX (Indian Institute of Information Technology Kottayam)LH MongoDB Track Winner: Kaju Katli (IIIT Naya Raipur)

Vultr Track 1st Prize: The APIcalypse (Shri Madhwa Vadiraja Institute of Technology and Management Bantakal Udupi)

Vultr Track 2nd Prize: God of War (Dayanand sagar University)

Vultr Track 3rd Prize: Code Fellas 2.0 (Dayananda Sagar University)

Faculty coordinators:

Dr. Bipin Kumar Rai, Professor & Associate Chair, Dept. of CSE

List of Faculty Members of Organizing Committee: -

1. Dr. Meenakshi Malhotra
2. Dr. Sivananda Reddy
3. Dr. Pannangi Naresh
4. Mr. Bharath MB
5. Mr. Dharmendra DP
6. Dr. Kumar Dilip
7. Ms. Yashashwini HC
8. Dr. Shreekant Salotagi
9. Dr. Naitik ST
10. Ms. Smriti Bharati
11. Ms. Shivani

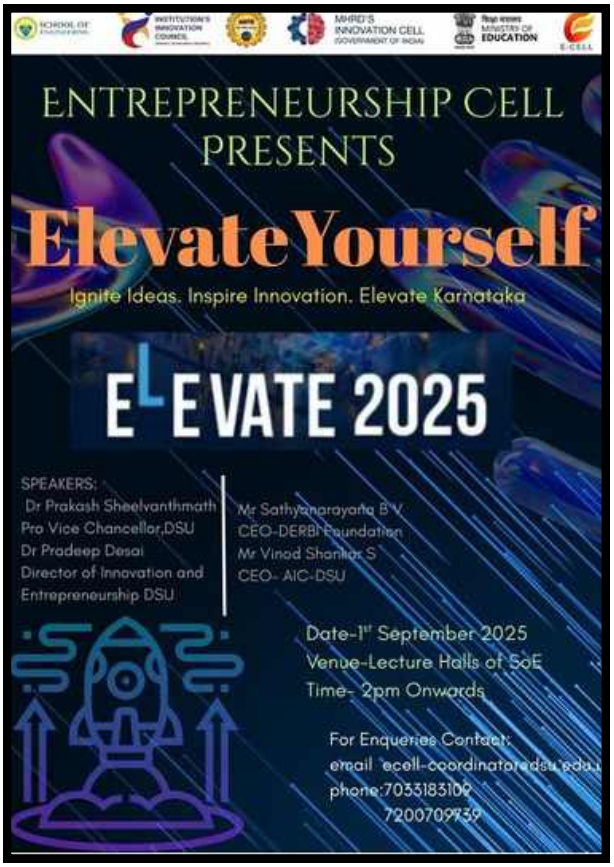
Student coordinators:

1. Utkarsh Priye
2. Ritvik Vasundh
3. Jiya Patel

List of Student Members of Organizing Committee: -

1. Rahul Jadvani
2. Chinmayi Palled
3. Ashwin KP
4. Sachin Balurgi
5. S Shreenidhi
6. G Nithesh
7. Manavi P
8. Moulya
9. Mayur
10. Moulika K
11. Raksha U
12. Nischal Gowda R
13. Patel Ahmad
14. Niharika Trivedi
15. Trisha
16. Aashtha

AWARENESS PROGRAM OF THE GOVERNMENT GRANT: ELEVATEYOURSELF



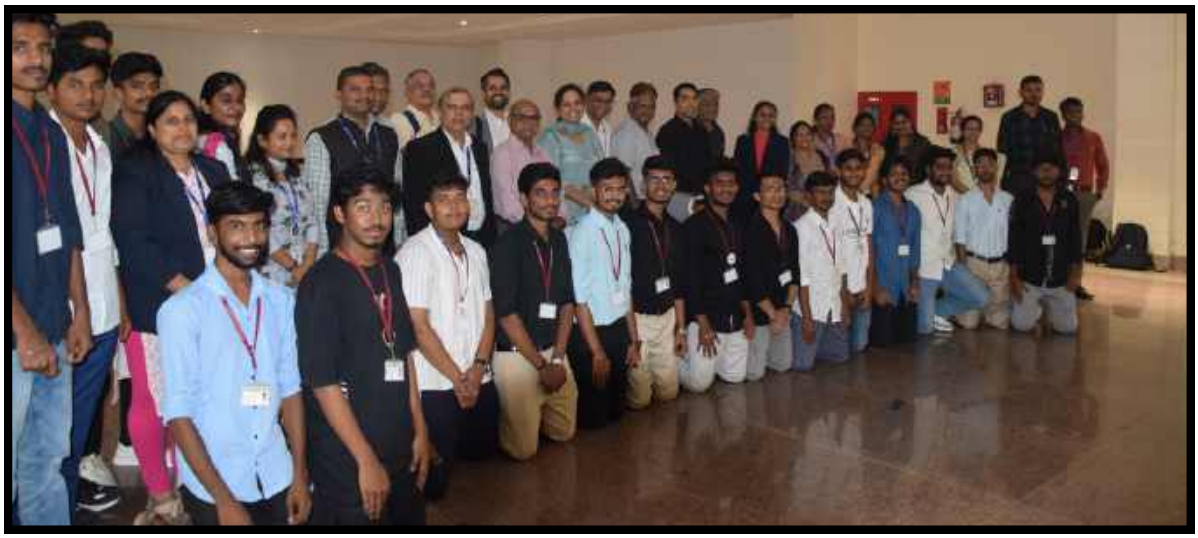
The Department of Computer Science & Engineering, SoE, Dayananda Sagar University organized an "Elevate Yourself" event from E-cell on 01/09/2025, 2025. E-Cell's ELEVATE YOURSELF was all about the awareness program of the government grant ELEVATE that focuses on funding startups that own a company. The event was launched by Dr Prakash Sheelvanthmath, Pro VC, where he shared the importance and impact of entrepreneurship that needs to be injected into the young minds of the country.

The event was later carried away by Mr. Sathyanarayana B V, CEO DERBI foundation where he shared his experience and expertise in ELEVATE . In addition to this Dr.Vinod Shankar S, CEO-AIC-DSU shared the set of instructions to be kept in mind while applying for the ELEVATE program. The event included the various types of schemes under ELEVATE opening up more opportunities for young aspiring Entrepreneurs.The event concluded with Dr Pradeep Desai, Director of Innovation and Entrepreneurship giving us deep insights about the industry and how to build yourself as an Entrepreneur.

SMART INDIA HACKATHON (SIH) 2025

The Department of Computer Science and Engineering, School of Engineering, Dayananda Sagar University organized the Internal Hackathon 2025 on 20th September 2025 from 9:00 AM to 5:00 PM at Lecture Halls 5 and 6, A Block, named after Dr. A.P.J. Abdul Kalam and Sir C.V. Raman.

This hackathon served as the internal round for the Smart India Hackathon (SIH) 2025 and witnessed enthusiastic participation from students across departments. A total of 193 teams participated, showcasing creativity, teamwork, and problem-solving skills. The event was convened by Dr. Udaya Kumar Reddy K R, Dean, and Dr. Girisha G S, Chairperson of CSE, while Dr. Basavaraj N. Hiremath, Professor, CSE, served as the SPOC.The Internal Hackathon Committee, comprising faculty members from the Department of CSE, CSE (Data Science) and AI and Robotics. Faculty coordinators from all the departments of the School of Engineering extended their support by handling Team registrations for participants from their respective departments.



Ten eminent jury members from industry including experts from IBM, Shell, Infinite Computer Solutions, Kyndryl, Datagaps, MSME Development Institute (Government of India) and Astrikos AI, evaluated the projects. The jury members evaluated the projects, offered constructive feedback, and guided the students in refining their ideas to align with the standards of SIH 2025. Students presented innovative solutions to real-world problems across diverse domains, benefiting greatly from industry-academia interaction. The faculty coordinators and student volunteers played a vital role in ensuring the smooth conduct of the event. The hackathon concluded successfully, with the best teams being shortlisted to represent the university in the SIH 2025 national-level hackathon.

Faculty Coordinator:
Department of CSE
Dr. Sridhar S K, Assoc. Prof.
Prof. Arpita Paria, Asst. Prof.
Prof. Yashaswini H C , Asst. Prof.
Prof. Anurag Gupta, Asst. Prof.
Prof. S Annapurna Shobitha
Department of CSE (DS)
Prof. Monish L, Asst Prof.
Prof. Shivamma D, Asst Prof.
Al and Robotics
Prof. Vikas Vishwakarma

Jury Members:

Mr. Gopinath Rao, IEDS, Dy. Director MSME, Development Institute, Govt. of India.

Dr. Chinmay Hegde, CEO & Managing Director Astrikos AI Private Limited

Dr. Chiranjib Sur, Head of Engineering - Scientific Software, Shell

Mr. Anand Potdar, Senior Technical Manager Infinite Computer Solutions

Mr. Sheshnarayan Agrawal, Sr.Architech IBM India Software Lab(ISL)

Mr. Ravindranath Palahalli, Enabler, SVP Product Engineering Senquire

Ms. Anjana M K, Data Scientist, Kyndryl

Smt. Sowmya Prasada, Senior Engineering Manager, Watsonx Orchestrate - IBM, Software Labs

Smt. Punitha G K, GenAI Lead, Datagaps

Mr. Manzoor Ilahi Maniyar, ECM technical lead, IBM India Private Limited

HACKATHON-THINKVERSE'25

The Department of Computer Science and Engineering, School of Engineering, Dayananda Sagar University. ThinkVerse is an exciting hackathon hosted by the Entrepreneurship-Cell of the School of Engineering at DSU on 22nd September, 2025 aimed at igniting creativity and fostering problem-solving skills among students. This year, participants explored four dynamic domains—Ed-Tech, Quick Commerce, Entertainment, and Social Media—identifying real-world challenges and crafting innovative solutions tailored to companies within these sectors.

The Shortlisted teams had the opportunity to present their ideas before a panel of esteemed judges on 23rd September,2025. After careful evaluation, the top three teams were selected and awarded certificates of recognition for their outstanding contributions.

Guest detail:

Dr Prakash Sheelvanthmath, Pro Vice Chancellor,DSU

Dr Sridhar S K, Faculty Coordinator E-Cell , DSU

Dr Rajesh Cheruk,Tech Lead E-Cell , DSU

GEMINI MASTERCLASS

The School of Engineering, Dayananda Sagar University, successfully organized the Gemini Masterclass on 24th September 2025, in collaboration with the Department of Computer Science and Engineering and the Department of AI and Robotics. Hosted by the Data Analytics and Visualization Club under the Google Student Ambassador Initiative, the session offered participants hands-on experience with Gemini AI and its diverse real-world applications. The event was facilitated by Dr. Basavaraj N. Hiremath and Dr. Savitha Hiremath, Faculty Coordinators of the Data Analytics and Visualization Club, whose guidance and encouragement greatly contributed to the success of the program.

The event witnessed enthusiastic participation from around 350 students, along with strong faculty support, making it an engaging, insightful, and enriching learning experience for everyone involved. The workshop was efficiently led by Mr. Mohammad Gheta and Ms. Unnati Rana, student coordinators who played a pivotal role in planning and executing the event. Their dedication, along with the active involvement of club members, ensured the smooth conduct of sessions and dynamic engagement throughout the masterclass. The enthusiasm and collaborative efforts of the students contributed immensely to the overall success of the event.

DAYANANDA SAGAR UNIVERSITY

INDUSTRIAL VISITS/ EXTENSION ACTIVITIES

INDUSTRY VISIT- INFOSYS SPRING BOARD-AWS SKILL BUILDER

The Department of Computer Science & Engineering, SoE, Dayananda Sagar University faculties being a part of an industry visit was undertaken on special invitation by Infosys Springboard to attend the Launch event of the whole stack of AWS Skill Builder program Event held in Infosys, Electronic City,Bangalore on 25th July 2025. The workshop-oriented faculty and students to the learning paths, resources, and certification readiness available through the new stack on Springboard.

Introduction to the AWS Skill Builder ecosystem and how it is integrated within Infosys Springboard.Walkthrough of role-based and certification-oriented learning paths (Foundational to Advanced). Demonstration of hands-on labs, quizzes, and progress dashboards available to learners. Discussion on how institutions can embed these tracks into coursework, clubs, and capstone projects.Q&A on learner onboarding, badging/certification support, and reporting.

Guests at Infosys

Mathias Otte, Senior Customer Success Manager, AWS Australia

Deepthi Chima Kurthi, Senior Customer Success Manager, AWS India

Garima Joshi Sikka, Senior Customer Engagement Manager, AWS India

And Infosys and AWS team.

Faculty Coordinators:

Dr. Gayathri T, Assistant Professor, CSE

Prof. Muthu Bala N, Assistant Professor, CSE

Student Team:

Nandini R – ENG22CS0108

Diya S Reddy – ENG23CS0063

Bindu Malagi – ENG24CS1004

Ranjita Mugali – ENG24CS1015

INFOSYS SPRINGBOARD SUMMIT 2025

The Department of Computer Science & Engineering and the Department of CSE (Data Science) participated in the Infosys Springboard Summit 2025 at Mysuru on the theme of Learning to Livelyhood held on 21st August 2025, as part of their industry visit.

The summit was a truly enriching experience, offering our students valuable exposure to the intersection of learning, technology, and employability. The sessions highlighted how digital skills, innovation, and industry readiness are key enablers in shaping future career opportunities. Students also gained insights into how academia and industry can come together to create pathways from classrooms to careers.

We extend our heartfelt gratitude to Dr. Basavaraj N. Hiremath, Professor & SPOC – Infosys Springboard, for facilitating this wonderful opportunity, and to the Infosys Springboard team for their warm hospitality and support.

We also thank our Dean, Chairpersons, and Placement Team for their constant encouragement.

Faculty Coordinator:

Dr Basavaraj N Hiremath

Professor & Final Year B.Tech coordinator

Student representatives who attend the summit are:

- Vishwajith K [ENG24CS0737]
- Soham R Hiremath [ENG24CS0670]
- Rochan R Kulkarni [KENG24CS0187]
- Vishwas Mutha [ENG24DS0192]
- Navnith Krishna [ENG24CS0546]

EXTENSION ACTIVITY ON CLEANLINESS DRIVE

The Department of Computer Science & Engineering, along with NSS team , SoE , and Dayananda Sagar University organized a Cleanliness Drive on 18th September, 2025. This initiative is being undertaken as part of the UGC directives to ensure a cleaner, greener, and healthier campus environment.

During this drive, students actively participate in cleaning different areas of the campus, spreading awareness about hygiene, and motivating their peers to maintain cleanliness. The activity will not only contribute to a better learning atmosphere but also help students imbibe values of responsibility, discipline, and teamwork.

Students' cooperation and support played a vital role in making this initiative a great success and in setting an example of collective responsibility within our campus.

DAYANANDA SAGAR UNIVERSITY

PLACEMENTS

PLACEMENTS

SL NO	USN No	FULL NAME	Company	CTC
1	ENG22CS0252	ARYABHISHEK VERMA	Phonepe	22.5
2	ENG22CS0534	B DHEERENDRA ACHAR	Phonepe	22.5
3	ENG22CS0292	DHRUV RAVI	Phonepe	22.5
4	ENG22CS0129	RAHUL H JADVANI	Phonepe	22.5
5	ENG22CS0172	SMRITI SANJAY ELIGAR	Phonepe	22.5
6	ENG22CS0164	SHIVANI K	Vivnovation	20
7	ENG22CS0092	LIKITH SOMANNA C M	NEW RELIC	19
8	ENG22CS0095	M NAVEEN	NEW RELIC	19
9	ENG22CS0229	ADRIAN RONAN DAS	NEW RELIC	19
10	ENG22CS0314	HARINI SRI S	Google IT Services India Pvt Ltd	16.2
11	ENG22CS0083	KRISHNA IDNANI	ZETA	16
12	ENG22CS0182	SPANDANA K.R	OpenText	15

SL NO	USN No	FULL NAME	Company	CTC
13	ENG22CS0200	UMABHARATHI N M	OpenText	15
14	ENG22CS0578	ROHAN JAISWAL	Whatfix	12
15	ENG22CS0140	S G SUMANTH	Aparoksha Financial Services	12
16	ENG22CS0201	V NETHRAVATHI	Oracle OFSS	9.82
17	ENG22CS0068	HARSHITHA A N	PHINIA Delphi	9
18	ENG22CS0032	BILAL AHMED NAUSHAD KALBURGI	Eurofins IT solutions	8.7
19	ENG22CS0603	VARIKUTI DAYANANDAREDDY	Nokia	8.25
20	ENG22CS0051	DIVYA D A	Nokia	8.25
21	ENG22CS0485	TENZIN KALDEN	Nokia	8.25
22	ENG22CS0121	PRAJWAL B R	Nokia	8.25
23	ENG22CS0022	APOORVA K R	Nokia	8.25

SL NO	USN No	FULL NAME	Company	CTC
24	ENG22CS0085	KUSHALA REDDY B P	Nokia	8.25
25	Eng22cs0155	SATWIK KASHYAP	Nokia	8.25
26	ENG22CS0038	CHANDAN N S	Nokia	8.25
27	ENG22CS0319	HARSHITHA PG	Nokia	8.25
28	ENG22CS0066	HARISH LONI	Edgeverve Systems	8
29	ENG22CS0161	SHASHANK S	Edgeverve Systems	8
30	ENG22CS0083	KRISHNA IDNANI	42 Gears	8
31	ENG22CS0088	LEKHAK M	CDM Smith	8
32	ENG22CS0529	ANUSHA KOGUNDEMATT	StoneX	8
33	ENG22CS0281	CHIRANJEEV KAPOOR	Clarivate	7.5
34	ENG22CS0123	PRATHAM U K	Fractal Analytics	7

SL NO	USN No	FULL NAME	Company	CTC
35	ENG22CS0135	RAKSHIT KOPPAD	Fractal Analytics	7
36	ENG22CS0110	NEETHU J	Cognizant	6.75
37	ENG22CS0043	CLIFFORD THIYAM	Pelatro	6.5
38	ENG22CS0093	LIKITHA M R	Pelatro	6.5
39	ENG22CS0108	NANDINI R	Pelatro	6.5
40	ENG22CS0158	SHAIK FAHAD	Pelatro	6.5
41	ENG22CS0272	C V DHATRI	Pelatro	6.5
42	ENG22CS0021	ANUSRI RAO	DataGrokr	6
43	ENG22CS0153	SATHISH S	DataGrokr	6
44	ENG22CS0402	R S CHIRAAG	Talview	6
45	ENG22CS0236	AMRITA SHIVAKUMAR HARAVI	RedAnt Technologies	6

SL NO	USN No	FULL NAME	Company	CTC
46	ENG22CS0435	SAMIR KUMAR	Intimetec	5.5
47	ENG22CS0170	SINCHANA M	MathCo	5.5
48	ENG22CS0211	YASH SONI	MathCo	5.5
49	ENG22CS0283	D N PADMASHRI	MathCo	5.5
50	ENG22CS0404	RAHUL KUMAR SAHOO	MathCo	5.5
51	ENG22CS0547	GUNDA PRANAV ADITYA	MathCo	5.5
52	ENG22CS0147	SAMARTH KUSHWAHA	Solutionec Private Ltd	5
53	ENG22CS0196	TANUJA DEVARAMANI	Solutionec Private Ltd	5
54	ENG22CS0263	BATCHU CHAITANYA SAI KUMAR	Solutionec Private Ltd	5
55	ENG22CS0397	PRIYANKA DAS	Solutionec Private Ltd	5

SL NO	USN No	FULL NAME	Company	CTC
56	ENG22CS0311	GUNUPUDI AMRUTHA SHARON	HALMA INDIA	4.8
57	ENG23CS1022	AKSHATA MAHANTESH ATHANI	HALMA INDIA	4.8
58	ENG22CS0020	ANUSHREE S	SAP	4.56
59	ENG22CS0265	BHAVANARI SHIVA SATWIK	SISA Information Security	4.5
60	ENG22CS0453	SHISHIRA CHANDRA V	SISA Information Security	4.5
61	ENG22CS0207	VIKRAM G RATHOD	Cognizant	4
62	ENG22CS0510	VIVEK S H	Cognizant	4
63	ENG22CS0255	ASHTON DEON BRAGGS	Cognizant	4
64	ENG22CS0543	GAUTAM SUHAS S	Cognizant	4
65	ENG22CS0013	AKSHAY J	Edgeverve Systems	3.6
66	ENG22CS0423	S RAKSHITHA	Edgeverve Systems	3.6

DAYANANDA SAGAR UNIVERSITY

FACULTY ACHIEVEMENTS

FACULTY ACHIEVEMENTS

Prof. Sushma. D.S and Prof. Tanaya Bala, Assistant Professors, Department of CSE has participated in the Five-Day Faculty Development Program on "DevOps & MLOps", held from 30th June 2025 to 4th July 2025, organized by the Department of CSE (Data Science), School of Engineering, Dayananda Sagar University.

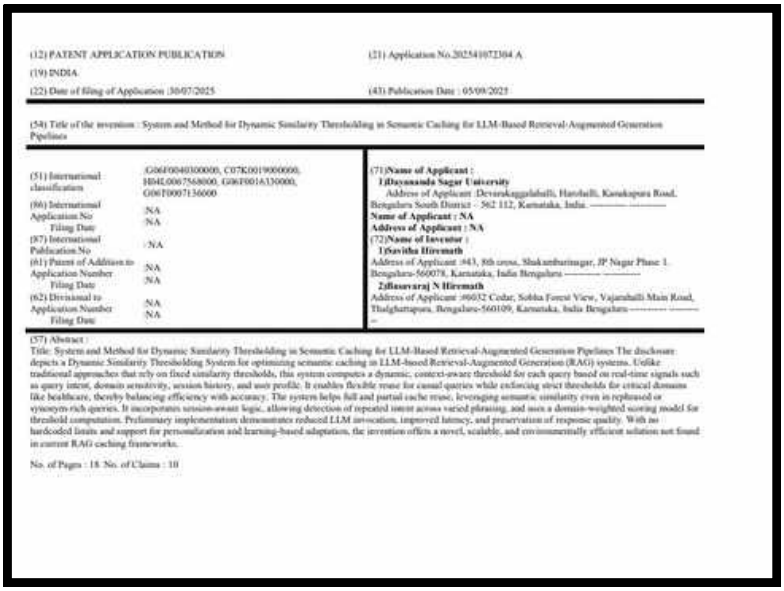
Prof. Sushma. D.S, Assistant Professor, Department of CSE has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on AI-Driven Medical Image Fusion Analysis and Disease Prediction in Healthcare at Rajeev Institute of Technology from 14/07/2025 to 19/07/2025.

FACULTY ACHIEVEMENTS

Prof. Sushma D S, Assistant Professor, Department of CSE presented a two papers titled "Brain tumour detection" and "Osteoporosis detection using deep learning" at the third International Conference on Intelligent and Secure Engineering Solutions (CISES-2025) during 11th to 13th August 2025 organized by Department of Master of Computer Applications, G.L. Bajaj Institute of Technology & Management, Greater Noida, U.P, India.

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.

FACULTY ACHIEVEMENTS



(12) PATENT APPLICATION PUBLICATION
(21) Application No.202541072304 A
(19) INDIA
(22) Date of filing of Application :30/07/2025
(43) Publication Date : 05/09/2025

(54) Title of the invention : System and Method for Dynamic Similarity Thresholding in Semantic Caching for LLM-Based Retrieval-Augmented Generation Pipelines

(51) International classification : G06F0040300000, C07K0019000000, H04L0067568000, G06T001A330000, G06T0007136000
(86) International Application No : NA
Filing Date : NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number : NA
Filing Date : NA
(62) Divisional to Application Number : NA
Filing Date : NA

(71)Name of Applicant :
1)Davanagda Sagar University
Address of Applicant :Devarakaggalahalli, Harohalli, Kanakapura Road, Bengaluru South District - 562 112, Karnataka, India. ---------- ----------
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Savitha Hiremath
Address of Applicant :#43, 8th cross, Shakambarinagar, JP Nagar Phase 1, Bengaluru-560078, Karnataka, India Bengaluru ---------- ----------
2)Basavaraj N Hiremath
Address of Applicant :#6032 Cedar, Sobha Forest View, Vajarahalli Main Road, Thalghattapura, Bengaluru-560109, Karnataka, India Bengaluru ---------- ----------

(57) Abstract :
Title: System and Method for Dynamic Similarity Thresholding in Semantic Caching for LLM-Based Retrieval-Augmented Generation Pipelines The disclosure depicts a Dynamic Similarity Thresholding System for optimizing semantic caching in LLM-based Retrieval-Augmented Generation (RAG) systems. Unlike traditional approaches that rely on fixed similarity thresholds, this system computes a dynamic, context-aware threshold for each query based on real-time signals such as query intent, domain sensitivity, session history, and user profile. It enables flexible reuse for casual queries while enforcing strict thresholds for critical domains like healthcare, thereby balancing efficiency with accuracy. The system helps full and partial cache reuse, leveraging semantic similarity even in rephrased or synonym-rich queries. It incorporates session-aware logic, allowing detection of repeated intent across varied phrasing, and uses a domain-weighted scoring model for threshold computation. Preliminary implementation demonstrates reduced LLM invocation, improved latency, and preservation of response quality. With no hardcoded limits and support for personalization and learning-based adaptation, the invention offers a novel, scalable, and environmentally efficient solution not found in current RAG caching frameworks.

No. of Pages : 18 No. of Claims : 10

Dr. Savitha Hiremath, Associate Professor and Dr Basavaraj N Hiremath, Professor, Department of CSE Successfully published a Indian patent with the title “System and Method for Dynamic Similarity Thresholding in Semantic Caching for LLM-Based Retrieval-Augmented Generation Pipelines” with the application number is 202541072304 during 5th September 2025.

Dr. Renuka Devi M N, Assistant Professor, Department of CSE has successfully presented research Paper on" “A CNN-GAN Integrated Framework for Enhanced Glaucoma Detection and Optic Cup Damage Estimation Using Fundus Images” at the NextGen Tech Conference 2025, held on 14-07-2025, organized by NextGen Tech Conference 2025.

FACULTY ACHIEVEMENTS

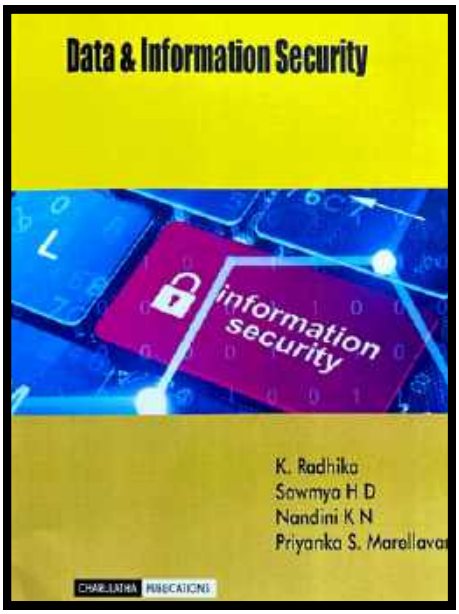
Dr. RenukaDevi M.N, Assistant Professor, Dept. of CSE virtually Presented a research paper titled "A Novel Framework for Analyzing Classroom (Lecturer) Videos Using RNN and CNN" at the Sixteenth International Conference on Computing, Communication and Networking Technologies (ICCCNT 2025), held from July 06-11, 2025, at IIT Indore, in association with the IEEE Electronics Packaging Society and the All India Council for Technical Education (AICTE).

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.

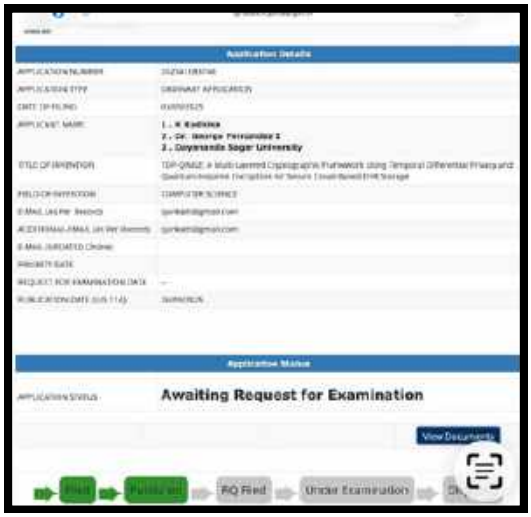
FACULTY ACHIEVEMENTS

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.

Prof. Radhika K, Prof. Sowmya H D, Prof Priyanka S Marellavar, Assistant Professors, Department of CSE has authored the textbook titled "Data & Information Security" Published by the Charulatha publications during July 2025 with ISBN is 978-93-6260-126-1.



FACULTY ACHIEVEMENTS



Prof. Radhika K, Assistant Professor and Dr George Fernandez I, Associate Professor, Department of CSE published a patent titled "TDP-QIMLE: A Multi-Layered Cryptographic Framework Using Temporal Differential Privacy and Quantum-Inspired Encryption for Secure Cloud-Based EHR Storage" by the Indian Patent Office under the application number 202541083744 on 26/09/2025 under the applicant name Dayananda Sagar University.

Dr. Sivananda Reddy, Associate professor, Department of CSE has successfully published a research paper titled "FL-DPCSA: Federated learning with differential privacy for cache side-channel attack detection in edge-based smart grids" in the Q1 Journal (ScienceDirect) named e-Prime - Advances in Electrical Engineering, Electronics and Energy during July 2025.

FACULTY ACHIEVEMENTS

Dr. Sivananda Reddy, Associate Professor, Department of CSE published a patent titled "Artificial Intelligence-Based Tool for Automated Analysis of Histopathological Images in Cancer Diagnosis" by the Indian Patent Office under the application number 202541075012A on 22/08/2025.

Dr. George Fernandez I, Associate Professor, Prof. Mala B A and Prof. Bharath M B, Assistant Professors Dept. of CSE are contributed as a REVIEWERS for the 11th International Conference on Electronics, Computing and Communication Technologies, IEEE CONECCT (July 10-13,2025) organized by IEEE Bangalore section at Sterling's Mac Hotel, Bangalore.

FACULTY ACHIEVEMENTS

Dr. George Fernandez I, Associate Professor, Department of CSE Served as a Reviewer for the European Journal of Scientific Research And Reviews for reviewing 1 manuscript in 2025.


Certificate of Reviewing

This Certificate is awarded to

Dr George Fernandez

FOR SERVING AS A REVIEWER FOR

European Journal Of Scientific Research And Reviews

We are grateful to Dr George Fernandez for reviewing 1 manuscript in 2025.

Date of Certificate
August 15, 2025

eJManager.com
Manager

Dr George Fernandez I, Associate Professor, Department of CSE Served as a REVIEWER for 1 manuscript in the European Journal of Scientific Research And Reviews during 29th August 2025.


Certificate of Reviewing

This Certificate is awarded to

Dr GEORGE FERNANDEZ.I

FOR SERVING AS A REVIEWER FOR

European Journal Of Scientific Research And Reviews

We are grateful to Dr GEORGE FERNANDEZ.I for reviewing 1 manuscript in 2025.

Date of Certificate
August 29, 2025

eJManager.com
Manager

FACULTY ACHIEVEMENTS

Prof. Mala B A, and Prof. Arpita Paria, Assistant Professors, Department of CSE has published a paper titled "AVI-Based Assessment of Communication Skills and Personality Characteristics" in the Grenze International Journal of Engineering and Technology during July 2025, which was presented in the Second International Conference on Emerging Technologies in Science and Engineering, Akshaya Institute of Technology, Tumkur, Karnataka.


GRENZE

AVI-based Assessment of Communication Skills and Personality Characteristics

Prof. Mala B A, Assistant Professor, Department of CSE, has successfully presented the paper entitled "The Need for Sustainable AI-Based Green Technology for Soil Management in Agriculture" , at the 4th World Conference on Information Systems for Business Management (ISBM-2025), Bangkok, Thailand online during 24 - 26 September, 2025.


ISBM
BANGKOK 2025

CERTIFICATE

4th WORLD CONFERENCE ON
INFORMATION SYSTEMS FOR BUSINESS MANAGEMENT

FACULTY ACHIEVEMENTS

Prof. Mala B A, Assistant Professor, Department of CSE has published a paper titled "A Decentralized Electronic Health Record System to Enhance Data Security and Accessibility in Healthcare Using Ethereum Blockchain Technology" in the Grenze International Journal of Engineering and Technology during July 2025, which was presented in the Second International Conference on Emerging Technologies in Science and Engineering, Akshaya Institute of Technology, Tumkur, Karnataka.


GRENZE

A Decentralized Electronic Health Record System to Enhance Data Security and Accessibility in Healthcare using Ethereum Blockchain Technology


ONLINE FDP ON QUANTUM COMPUTING

PARTICIPATION CERTIFICATE

This is to certify that Dr /Mr /Ms. Mala B A, Assistant Professor, Dayananda Sagar University has actively participated in the Online Faculty Development Program (FDP) on "Quantum Computing: Foundations, Algorithms and Applications" conducted from August 4th to August 9th, 2025. We appreciate the dedication and commitment demonstrated towards continuous professional development.

Mrs. Sreedevi Sadyala — Coordinator

Dr. Ravinder Ghangela — HOD CSE

Dr. Rishi Sayal — Associate Director

Dr.S.Sreenatha Reddy — Director

Prof. Mala B A, Assistant Professor, Department of Computer Science and Engineering has actively participated in the Online Faculty Development Program (FDP) on "Quantum Computing: Foundations, Algorithms and Applications" conducted from August 4th to August 9th, 2025, organized by Guru Nanak Institutions, Hyderabad.

FACULTY ACHIEVEMENTS


Springer CMR nif

26th & 27th SEPTEMBER 2025

CMR TECHNICAL CAMPUS

ORGANIZED BY

Certificate of Reviewer

This is to certify that

Prof. Mala B A

Assistant Professor, Dayananda Sagar University

in recognition of the review contributed to the "Springer 8th International Conference on Intelligent Computing and Communication (ICICC-2025)" organized by the Department of CSE, CSE(AI&ML), CSE(Data Science), CMR Technical Campus, Hyderabad, Telangana during 26th & 27th September, 2025.

Prof. Mala B A, Assistant Professor, Department of CSE contributed as paper reviewer to the "Springer 8th International Conference on Intelligent Computing and Communication (ICICC-2025)" organized by the Department of CSE, CSE(AI&ML), CSE(Data Science), CMR Technical Campus, Hyderabad, Telangana during 26 & 27 September, 2025.

Dr. Arunkumar Gopu, Dr. George Fernandez I, Associate Professors, Department of CSE received a Consultancy project funding of Rs. 2lakhs as Co-principal Investigators for the project titled "a)Kinematics Synthesis of pantograph Mechanism using Matlab/Ansys/ Any Cad Software and b) CFD Analysis for Hr Pantograph @0 Degree and 180 Degree at Different Height and Different Field Speeds" from SPM India Limited, Bangalore Mysore Highway Ketaganahalli Village Bidadi Hobli Ramanagar Taluk during August 2025.

FACULTY ACHIEVEMENTS

Prof. Bharath M B, Assistant Professor, Department of CSE has published a paper titled "Cross-Site Scripting Attack Detection: A Comparative Study of Traditional and Deep Learning-Based Solutions", in the Grenze International Journal of Engineering and Technology during July 2025, which was presented in the Second International Conference on Emerging Technologies in Science and Engineering, Akshaya Institute of Technology, Tumkur, Karnataka.

Prof. Bharath M B, Assistant Professor, Department of CSE Presented a research paper titled "Dual-scale attention enhanced dense U-net based diabetic retinopathy using retinal vessel segmentation" at the International Conference on Grid and Parallel Computing (ICGPC 2025), held on 19th July, 2025, organized by St. Peter's Institute of Higher Education and Research in Chennai, India.

FACULTY ACHIEVEMENTS

Prof. Bharath M B, Assistant Professor, Department of CSE served as a REVIEWER for IEEE International Conference on Communication, Computer, and Information Technology (IC3IT-2025) organized at Mysuru Royal Institute of Technology, Mandya, India, IEEE Mysore Subsection and IEEE Bangalore Section during September 2025.

Prof. Bharath M B, Assistant Professor, Department of CSE, has successfully presented the paper entitled "Robust Federated Hybrid Deep Learning for Privacy-Preserving Cross-Site Scripting Detection with Adversarially Enriched Datasets" at the 2nd Asia Pacific Conference on Innovation in Technology (APCIT-2025), organized by Vidyavardhaka College of Engineering, Mysuru, India, held on 19th -20th , September 2025.

FACULTY ACHIEVEMENTS

Efficient Partial Image Encryption using Genetic Algorithm for Time-Saving Applications

Prof. Benaka Santhosha S, Assistant Professor, Department of CSE has published a paper titled "Efficient Partial Image Encryption Using Genetic Algorithm for Time Saving Applications" in the Grenze International Journal of Engineering and Technology during July 2025, which was presented in the Second International Conference on Emerging Technologies in Science and Engineering, Akshaya Institute of Technology, Tumkur, Karnataka.

Investigation on Advances in Canines and Premolars Width Estimation in the given Dental Panoramic Radiographic Images

Prof. Dharmendra D.P, Assistant Professor, Dr. Rajesh T M, Associate Professor, Department of CSE and Dr. Jayasudha B, Professor, Dept of Dentistry, CDSIMER, DSU has published a paper titled "Investigation on Advances in canines and premolars width estimation in the given Dental Panoramic Radiographic Images" in the Grenze International Journal of Engineering and Technology during July 2025, which was presented in the Second International Conference on Emerging Technologies in Science and Engineering, Akshaya Institute of Technology, Tumkur, Karnataka.

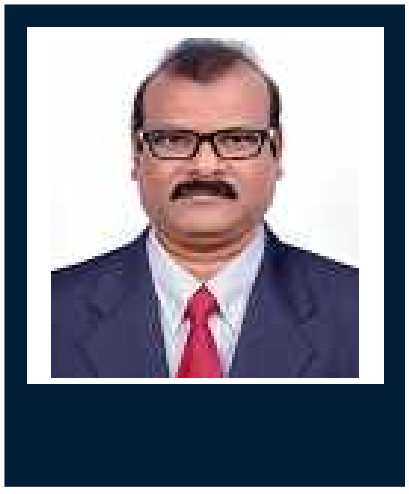
FACULTY ACHIEVEMENTS

Dr. Nixon J S, Professor, Department of CSE has successfully participated and attended one week online FDP on the topic "Quantum Communication, Computing and its Applications" (QCCA-2025) from 7th to 12th July 2025 organized by Annant Gyan Knowledge and Skills Pvt Ltd.

Prof. Bharath B and Prof. Yashaswini H C, Assistant Professors, Department of CSE successfully completed Faculty Enablement Program (FEP) on Python Programming using Infosys Springboard platform conducted by Infosys during 16th July 2025.

FACULTY ACHIEVEMENTS

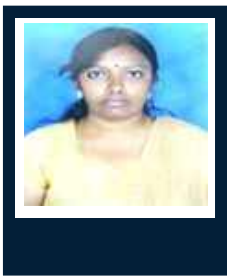
Prof. Bharath B, Assistant Professor, Department of Computer Science and Engineering has successfully completed all the requirements to be certified globally as Snowflow Associate: platform from Snowflake on 31st August 2025 valid for 2 years.



Dr. Bondu Venkateswarlu, Professor, Department of CSE successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on "Quantum Computing with Artificial Intelligence: Convergence and Applications" at Gayatri Vidya Parishad College for Degree and PG Courses from 25/08/2025 to 30/08/2025.

FACULTY ACHIEVEMENTS

Dr. Prabhakar M, Professor, Department of CSE Served as a Resource Person for the Five Day Faculty Development Program on "Avenues of Machine Learning in Core Engineering Applications" organized by ATME College of Engineering, Mysore from 28th July to 1st August 2025.



Adaptive QoS Policies in Smart City Mobile Networks

Abstract

Dr. George Fernandez I, Associate professor and Dr. T Gayathri, Assistant Professor, Department of CSE Published a Paper in the Scopus indexed Q2 Journal named Journal of Internet Services and Information Security (JISIS), with the title "Adaptive QoS Policies in Smart City Mobile Networks" during July 2025 with volume: 15, pp. 160-172. DOI: 10.58346/JISIS.2025.I2.012.

FACULTY ACHIEVEMENTS



Dr. Rajesh T M, Associate Professor and Dr. Renuka Devi M N, Assistant Professor, Department of CSE participated in the Six days Faculty development Program on "Biomaterials and Nanomaterials in Biomedical and Clinical Applications" organized by Department of Medical Electronics Engineering, Dayananda Sagar College of Engineering from 14th to 19th July 2025.

Dr. George Fernandez I, and Dr. Revathi V, Associate Professors, Department Computer of Science and Engineering served as a Session Chair for the technical presentations and contributed towards the successful organization of IEEE sponsored 1st International Conference on Recent Innovation in Science, Engineering and Technology (ICRISET 2025) held at Jeppiaar Institute of Technology Chennai, Tamil Nadu, India, on 1st & 2nd, August 2025.

FACULTY ACHIEVEMENTS

Dr George Fernandez I, Associate Professor, Prof. Sowmya H D and Prof. Soumadip Mondal, Assistant Professors, Department of CSE presented the research paper entitled "Intelligent Load Balancing for AI-Enhanced Edge-Cloud Architectures" in the IEEE Technical Sponsored 1st International Conference on Recent Innovation Science, Engineering and Technology (ICRISET 2025) Jeppiaar Institute of Technology Chennai, Tamil Nadu, India, on 1st & 2nd, August 2025.

FACULTY ACHIEVEMENTS

Prof. Diana George, Assistant Professor and Dr George Fernandez I, Associate Professor, Department of CSE presented the research paper entitled "AI-Driven Integration of Multimodal Neuroimaging for Vision Defect Detection and Classification" in the IEEE Technical Sponsored 1st International Conference on Recent Innovation Science, Engineering and Technology (ICRISET 2025) Jeppiaar Institute of Technology Chennai, Tamil Nadu, India, on 1st & 2nd, August 2025.

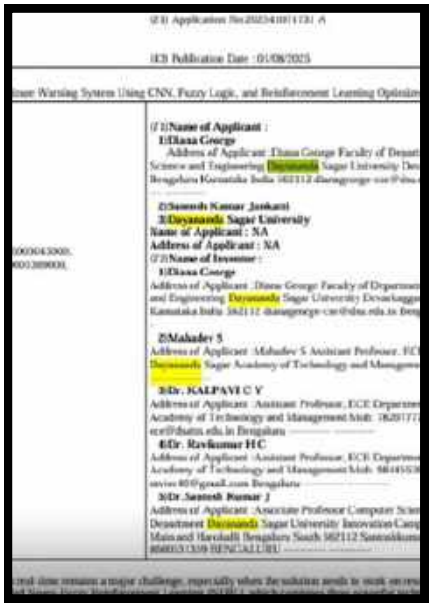
Prof. Diana George, Assistant Professor and Dr George Fernandez I, Associate Professor, Department of CSE presented the research paper entitled "Automated Wireless Charging System for Electric Vehicles Using Cloud Control" in the IEEE Technical Sponsored 1st International Conference on Recent Innovation Science, Engineering and Technology (ICRISET 2025) Jeppiaar Institute of Technology Chennai, Tamil Nadu, India, on 1st & 2nd, August 2025.

FACULTY ACHIEVEMENTS

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

Application Details

APPLICATION NUMBER	202541071731
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	29/07/2025
APPLICANT NAME	**1 . Diana George 2 . Santosh Kumar Jankatti 3 . Dayananda Sagar University**
TITLE OF INVENTION	An Adaptive Real-Time Seizure Warning System Using CNN, Fuzzy Logic, and Reinforcement Learning Optimized for Edge Deployment
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	sjankatti@gmail.com
ADDITIONAL-EMAIL (As Per	sjankatti@gmail.com



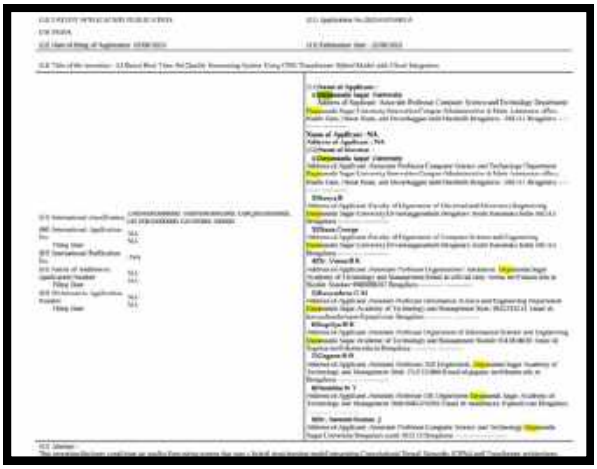
(43) Publication Date : 01/08/2025

Prof. Diana George, Assistant Professor, Department of CSE, published a patent titled "An Adaptive Real-Time Seizure Warning System Using CNN, Fuzzy Logic, and Reinforcement Learning Optimised for Edge Deployment" by the Indian Patent Office under the application number 202541071731 on 29/07/2025.

Dr George Fernandez I, Associate Professor, and Prof. Diana George, Assistant Professor, Department of CSE published a patent titled "An Explainable AI-Based Multimodal Brain Imaging Framework for Early Detection and Classification of Neurological Vision Defects" by the Indian Patent Office under the application number 202541073666A on 22/08/2025.

FACULTY ACHIEVEMENTS

Prof. Diana George, Assistant Professor, Department of CSE published a patent titled "AI-Based Real-Time Air Quality Forecasting System Using CNN-Transformer Hybrid Model with Cloud Integration" by the Indian Patent Office under the application number 202541074449A on 22/08/2025.



Prof. Diana George, Assistant Professor, Department of CSE published a patent titled "Neuro-Fuzzy Reinforcement Learning for Personalized Seizure Warning System on Edge Devices " by the Indian Patent Office under the application number 202541073844A on 22/08/2025.

Prof. Diana George, Assistant Professor, Department of CSE published a Q4 paper in the Journal named "International Journal of Engineering Trends and Technology" with the title "Next-Gen Air Quality Index Forecasting with Hybrid Machine Learning Models and Cloud Synergy" Volume 73 Issue 8, 129-136, 30th August 2025. https://doi.org/10.14445/22315381/IJETT-V73I8P111

Next-Gen Air Quality Index Forecasting with Hybrid Machine Learning Models and Cloud Synergy

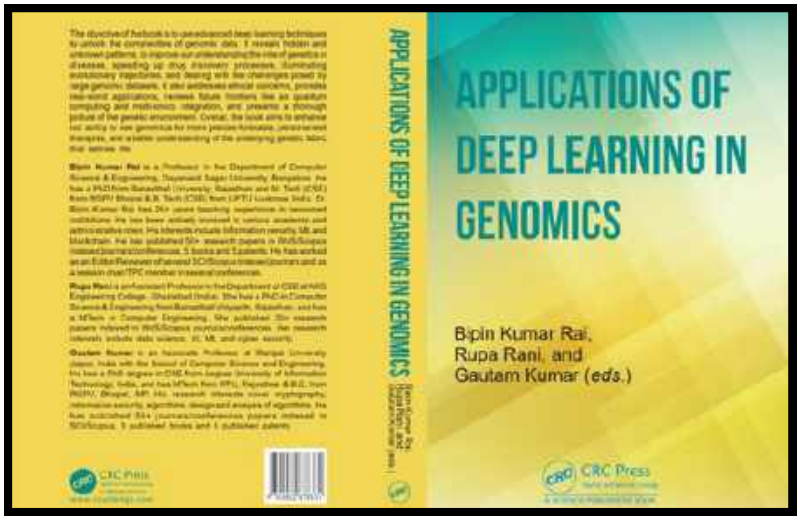
FACULTY ACHIEVEMENTS

Prof. Diana George, Assistant Professor, Department of CSE has successfully presented 2 a research paper online titled "A Novel Approach for Crowd Analysis and Density Estimation by using Machine Learning Techniques" and "Improving Sentiment Analysis of Text Messages using Swarm-based Feature Selection and Deep Learning Techniques" at IEEE Madhya Pradesh Section Conference 2025 (MPCON 2025) in Association with Shri Ram Institute of Technology, Jabalpur, Madhya Pradesh, during 29th and 30th August 2025.

Prof. Diana George, Assistant Professor, Department of CSE has presented online paper entitled "Smart Waste Management using Vision Transformers and Swarm Robotics" at the 9th International Conference of Combinatorics, Graph Theory, and Network Topology which will be held on 10 – 11 September 2025 in the University of Jember, East Java, Indonesia.

FACULTY ACHIEVEMENTS

Prof. Santosh M, Assistant Professor, Department of CSE, attended a five-day FDP on "5G & Beyond: Bridging Tomorrow" from 28 July to 1 August 2025 in the NOKIA Bengaluru company under NBUC (Nokia Bengaluru University collaboration).



Dr. Bipin Kumar Rai, Professor, Department of CSE has published an edited Book titled "Applications of Deep Learning in Genomics" by the publisher Routledge CRC Press during August 2025 with ISBN 9781032878331
Link: https://www.routledge.com/Applications-of-Deep-Learning-in-Genomics/KumarRai-Rani-Kumar/p/book/9781032878331

FACULTY ACHIEVEMENTS

HOLY CROSS COLLEGE

DEPARTMENT OF COMMERCE - COMPUTER APPLICATION

Certificate

This is to certify that **Dr. Bipin Kumar Rai, Professor, Department of Computer Science & Engineering, Dayananda Sagar University, Bangalore** has acted as an invited speaker for an international level talk on **'AI AND BLOCKCHAIN FOR HEALTH CARE'** through virtual mode, organised by **Mavericks Commerce-CA Club, Department of Commerce-Computer Application, Holy Cross College (Autonomous), Tiruchirapalli** on 4th August 2025.

Principal

Organiser

Holy Cross College(Autonomous), Tiruchirappalli
School Of Management Studies
Department of Commerce-Computer Applications

Session Topic- AI and Blockchain for Healthcare

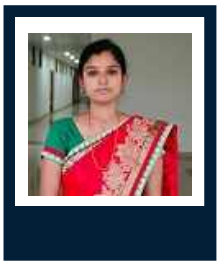
Speaker:
Dr. Bipin Kumar Rai
Professor(CSE)
Dayananda Sagar University
Bangalore, India

Dr. Bipin Kumar Rai, Professor, Department of CSE have taken a session on "AI and Blockchain for Healthcare" in an International Invited Talk on "GENERATIVE AI IN BUSINESS: Bridging Sustainability, Health and Education" at Holy Cross College (Autonomous), Tiruchirappalli Hosted by the School of Management Studies, Department of Commerce – Computer Applications during 4th August 2025. During his talk he shared how cutting-edge technologies are transforming patient care, data security, and digital health systems and also bridging innovation and healthcare through tech-driven solutions.

FACULTY ACHIEVEMENTS







Dr. Rajesh T M, Dr. Praveen Kulkarni, Associate Professors, Dr. Naresh P, Dr. RenukaDevi M N, Prof. Kavyashree I Pattan, Assistant Professors, Mr. Tejasvi D (ENG22CS0482), final year CSE student presented a conference paper titled "AI-Driven Urine Analysis for Non-Invasive Kidney Stone Detection: A Machine Learning Approach" in the 3rd IEEE International Conference on Networks, Multimedia, and Information Technology (NMITCON-2025) is being organized at Nitte Meenakshi Institute of Technology, Bengaluru, INDIA, from 1st to 2nd August 2025, in association with the IEEE Bangalore Section.

FACULTY ACHIEVEMENTS

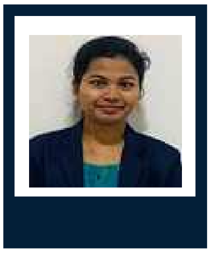
Dr. Rajesh T M, Associate Professor, Prof. Bharath M B and Prof. Pooja Shree H R, Assistant Professors,are successfully participated in the Workshop on "Crafting Research Excellence: Where to Publish, LaTeX & Research Metrics", held from 4th to 6th August 2025, organized by the IEEE Signal Processing Society (SPS) Bangalore Chapter and IEEE Women in Engineering (WIE) Affinity Group, Bangalore Section, as a curtain raiser event for ICWITE 2025.

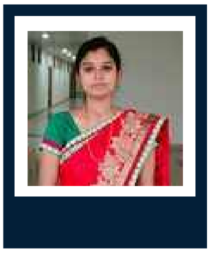
Dr. Shashikiran Venkatesha, Associate Professor, Department of CSE has successfully presented a paper titled “Voice E-Mailer System with Face Recognition using Machine Learning Techniques” at the 3rd International Conference on Sustainable Computing and Data Communication Systems (ICSCDS-2025) organized by Erode Sengunthar Engineering College, Erode, Tamil Nadu, India on 6-8, August 2025.

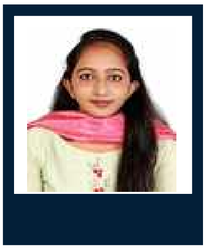
FACULTY ACHIEVEMENTS

Dr. Natarajan Venkateswaran, Professor of Practice, and Dr. Naitik S T, Assistant Professor, Department of CSE, Participated in the Faculty Development Program "Entangle 2025: A Hands-on Workshop on Quantum Computing and its Emerging Paradigms" from 6th to 10th August 2025 organized by the Department of Computer Science & Technology, Dayananda Sagar University, Bengaluru.

FACULTY ACHIEVEMENTS







Prof. Kavyashree I Pattan, Dr. Renukadevi M.N, Prof. Pooja Shree H R, Prof. Nandini K, Prof. Arpita Paria, Assistant Professor, Dr. Revathi V, Associate Professor, presented a paper titled "NeuroGaitAssist: Advanced Gait Analysis for Detecting Neurological Disorders and Aiding Paralysis Patients" at the 9th International Conference on Inventive Systems and Control (ICISC-2025) organized by the JCT College of Engineering and Technology, Coimbatore, Tamil Nadu, India 12-13, August 2025.

FACULTY ACHIEVEMENTS

Dr. S Gokulakrishnan, Assistant Professor, Department of CSE, has successfully completed the AICTE-evaluated 2-Week Patent Course organized by Turnip Innovations during 4th to 17th August 2025.

Dr. S Gokulakrishnan, Assistant Professor, Department of CSE, has successfully completed the FDP on "Generative AI" held from 4th to 8th August 2025 organized by Brainovision Solutions India Pvt. Ltd, in Collaboration with AICTE hosted by Army Institute of Technology.

Dr. S Gokulakrishnan, Assistant Professor, Department of CSE, has successfully presented a research paper online, titled "Enhancing Marketing Strategies through Big Data-Driven Customer Journey Mapping: An Analysis Using Machine Learning Algorithms" at IEEE Madhya Pradesh Section Conference 2025 (MPCON 2025) in Association with Shri Ram Institute of Technology, Jabalpur, Madhya Pradesh, during 29th and 30th August 2025.

FACULTY ACHIEVEMENTS

Dr Basavaraj Hiremath, Professor and Dr George Fernandez I, Associate Professor, Department of CSE, published a research paper titled "Turkish Raisin Classification Through Deep Learning Prediction Models" in the Scopus indexed Springer LNNS series "Data Mining and Information Security" Proceedings of ICDMIS 2024, Volume 5 ISBN 978-981-96-6065-0, https://doi.org/10.1007/978-981-96-6066-7.

Prof. N. Muthu Bala, Assistant Professor, Department of Computer Science and Engineering published her research paper in the scopus indexed Q2 journal with the title "Hybrid Deep Learning Model Based Lung Cancer Prediction and Classification with OTSU Segmentation Method" in the journal "Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications (JoWUA)" , volume: 16, number: 2, pp. 75-94. DOI: 10.58346/JOWUA.2025.I2.005 during August 2025.

FACULTY ACHIEVEMENTS

Prof. N. Muthu Bala, Assistant Professor, Department of Computer Science and Engineering presented a paper titled "Plant Leaf Disease Detection Using MobileNetV2" at International Conference on Knowledge Engineering and Information Systems (KEIS-2025) Organized by Department of Master of Computer Applications, Seshadripuram College, Tumakuru during 29th and 30th August 2025.

Prof. N. Muthu Bala, Assistant Professor, Department of Computer Science and Engineering has participated in the two weeks Faculty Development Program on "AI in Medical Imaging and Diagnostics: Current Trends and Challenges" jointly organized by Electronics and ICT Academy, NIT Patna, IIITDM Jabalpur, IIT Guwahati, MNIT Jaipur, IIT Kanpur and IIT Roorkee under the "Scheme of financial assistance for setting up of Electronics and ICT Academies(Phase-II)" by the Ministry of Electronics and Information Technology (MeitY), Government of India from 07th July, 2025 - 18th July, 2025.

FACULTY ACHIEVEMENTS

Prof. Mala B A, Assistant Professor, Ms. Keerthana V (ENG21CS0186), Ms. Kriti Manini Raju (ENG21CS0191), Ms. Nitya A N (ENG21CS0274) and Mr. Tilak Uppar (ENG21CS0447) 2025 passed out Students, Department of CSE published a patent titled "IoT-Based Smart Container System for Secure Pharmaceutical Storage, Monitoring, and Intelligent Delivery Management" by the Indian Patent Office under the application number 202541070085A on 05/09/2025 under the applicant name Dayananda Sagar University.

Ms. V Preethi(ENG21CS0458), Dr George Fernandez I, Associate Professor, Ms. Vaishnavi P (ENG21CS0459) and Ms. Archana B S(ENG22CS1021), 2025 passed out Students, Department of CSE published a patent titled " System and Method for early Detection of Diabetic Retinopathy Using Integrated Clinical Data and Retinal Image Analysis" by the Indian Patent Office under the application number 202541070086A on 05/09/2025 under the applicant name Dayananda Sagar University.

FACULTY ACHIEVEMENTS

Ms. Shambhavi Ramachandra Hegde (ENG21CS0371) 2025 passed out Student, Dr George Fernandez I, Associate Professor, Dr Girisha G S, Professor and Chairperson, Department of CSE published a patent titled " Smart Wardrobe: AR-Driven Virtual Try-On system using Augmented Reality and Real-Time 3D Garment overlay" by the Indian Patent Office under the application number 202541070088A on 05/09/2025 under the applicant name Dayananda Sagar University.

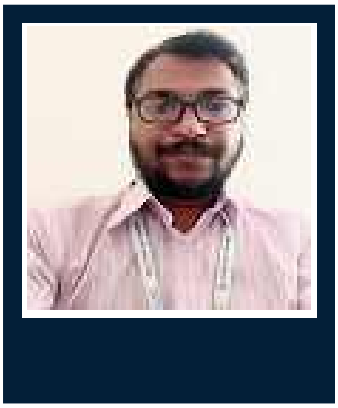
Mr. C B Rajavarman (ENG22CS0034)2025 passed out Student, Dr. Sridhar S K, Associate Professor, Department of CSE published a patent titled " Piezoelectric Layered Power Generating and Crowd Analysis Tile" by the Indian Patent Office under the application number 202541070084A on 05/09/2025 under the applicant name Dayananda Sagar University.

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

Application Details	
APPLICATION NUMBER	202541070084
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	23/07/2025
APPLICANT NAME	Dayananda Sagar University
TITLE OF INVENTION	Piezoelectric Layered Power Generating and Crowd Analysis Tile
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	omprakash@omspatentservices.com
ADDITIONAL-EMAIL (As Per Record)	omprakash_sringeri@yahoo.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	05/09/2025

FACULTY ACHIEVEMENTS

Dr. Damodharan D, Assistant Professor, Department of CSE, successfully completed a 20 days 40 hours Faculty development program in the Subject: QT-06 Quantum Communication " from 18th August to 11th sept 2025 conducted by Electronics and ICT Academies.



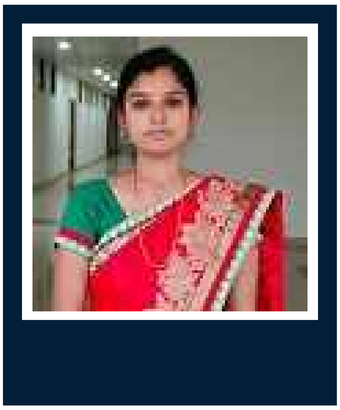
Dr. Naitik ST, Assistant Professor, Department of CSE, has successfully served as a Session Chair at the 2nd Asia Pacific Conference on Innovation in Technology (APCIT-2025), organized by Vidyavardhaka College of Engineering, Mysuru, India, held on 19th -20th , September 2025.

FACULTY ACHIEVEMENTS

Dr. Naitik ST, Assistant Professor, Department of CSE, has successfully served as a Session Chair at the 2nd Asia Pacific Conference on Innovation in Technology (APCIT-2025), organized by Vidyavardhaka College of Engineering, Mysuru, India, held on 19th -20th , September 2025.

Prof. Bharath M B, Prof. Poojashree H R, Prof, Mala B A, Assistant Professors, Department of CSE published a patent titled " Self-Powered IoT Health Band for Continuous Rural Health Monitoring" by the Indian Patent Office under the application number 202541083755 on 26/09/2025 under the applicant name Dayananda Sagar University.

FACULTY ACHIEVEMENTS



Dr. Renuka Devi M N, Assistant Professor, and Dr. Praveen Kulkarni, Associate Professor, Department of CSE published a patent titled "A Robust Multi-Model Computational Framework for Automatic Detection of Malignancy in Ovarian Ascitic Fluid Cytology" in collaboration with CDSIMER professors, by the Indian Patent Office under the application number 202541083246 on 26/09/2025 under the applicant name Dayananda Sagar University.

DAYANANDA SAGAR UNIVERSITY

STUDENT ACHIEVEMENTS

STUDENT ACHIEVEMENTS

Ms. Saanchitha D (ENG21CS0350), Mr. Rachit Kumar A(ENG21CS0317), Mr. Savinay Nambiar (ENG21CS0368) and Mr. Srinivas Reddy D (ENG21CS0415) 2025 passed out Students, Department of CSE under the guidance of Dr. Renuka Devi M. N, Assistant Professor, Department of CSE participated and won "Best Project of the year" for the project titled "Cardiac Arrhythmia Detection" during 48th Series of the KSCST State-Level Poster Presentation and Exhibition, held at Jawaharlal Nehru New College of Engineering, Shivamogga on 1st and 2nd August 2025.

STUDENT ACHIEVEMENTS

Mr. Nandeesh P Math (ENG21CS0263), Mr. Venkatesh P (ENG21CS0471), Mr. Samarth S S (ENG21CS0356), Ms. Sree Vibha G (ENG21CS0412), 2025 passed out Students, Department of CSE under the guidance of Dr. Sasikala N, Assistant Professor, Department of CSE participated and won "Best Project of the year" for the project titled "PAWSCAN: AI-Powered Early Detection of Skin Diseases in Stray Dogs" during 48th Series of the KSCST State-Level Poster Presentation and Exhibition, held at Jawaharlal Nehru New College of Engineering, Shivamogga on 1st and 2nd August 2025.

STUDENT ACHIEVEMENTS

Mr. Saikumar V Jadhav (ENG22CS0145) and Mr. Rahul H Jadvani (ENG22CS0129), 4th year CSE Students as team participated in Agentic Ethereum Hackathon India, held at Scaler School of Technology secured the 2nd Runner-Up position by winning a cash prize of Rs.1000 for the problem statement "DeFi + Financial Inclusion Agents", during 12th to 13th July 2025. The hackathon was open to global participants, with over 3000+ registrations, 250+ submissions, and 50+ finalist teams presenting live.

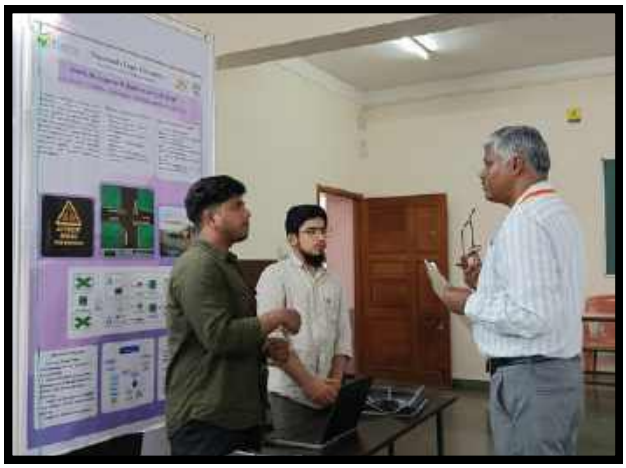
Mr. Jayesh Ranjan (ENG23CS0326) , 3rd year CSE student, DSU-Ecell member has been sanctioned Project grant of ₹8,00,000 for the proposal titled “Development of low-cost reversible Hydrogen Fuel Cell Technology” under the NIDHI-PRAYAS Scheme by the Department of Science and Technology (DST), Government of India, and will be implemented through the DERBI Foundation during 15th July 2025.

STUDENT ACHIEVEMENTS

Ms. Ambika (ENG22CS0016), Ms. Apoorva K R (ENG22CS0022), Ms. Asha Suresh Kodad (ENG22CS0025) and Ms. Tejaswini (ENG22CS0035), final year CSE students under the guidance of Dr. Rajesh T M, Associate Professor, Department of CSE Presented a paper and Awarded the "BEST PAPER PRESENTER" Award for the paper titled "Overcoming illumination challenges in information retrieval for Multifacted background images" in the 3rd IEEE International Conferences on Network, Multimedia, and Information Technology (NMITCON-2025) in association with the IEEE Bangalore Section organized by Nitte Meenakshi Institute Of Technology, Bengaluru during 1st and 2nd August 2025.

STUDENT ACHIEVEMENTS

Mr. Shariq (ENG21CS0374), Mr. Yathish Raj S (ENG22CS1044), Mr. Mohammad Mujeeb M Attar (ENG21CS0231), and Mr. Rohan Annaso Patil (ENG21CS0340), 2025 passed out Students, under the guidance of Prof. Mala B A, Assistant Professor, Department of CSE participated in the poster presentation for the project titled "Traffic Management System using AI & IoT" during 48th Series of the KSCST State-Level Poster Presentation and Exhibition, held at Jawaharlal Nehru New College of Engineering, Shivamogga on 1st and 2nd August 2025.



STUDENT ACHIEVEMENTS

Mr. Arjit Kulkarni (ENG24CS0334), 2nd year CSE student, along with students of CST and AI&DS participated as a Team Neural Nomads in Hackcelestial 2.0, the national-level hackathon hosted at Pillai College of Engineering on 19th–20th September 2025. The team showcased their innovation, technical expertise, and collaborative spirit, securing the First Prize and a cash award of ₹50,000.

STUDENT ACHIEVEMENTS

Mr. Bilal Ahmed NK (ENG22CS0032), 4th year CSe student as team Gotham secured 2nd place and a ₹5,000 prize in the AI in Agriculture theme at the UDAYA 1.0 Intra DSI Hackathon hosted by Dayananda Sagar College of Engineering(DSCE) during 27th September 2025

.

Mr. Hruthik Bandi (ENG23CS0070), 3rd year CSE student has successfully participated and won 1st place with a Rs. 15000 in the AI in Agriculture UDAYA 1.0 Intra DSI Hackathon hosted by Dayananda Sagar College of Engineering(DSCE) during 27th September 2025.

Ms. Karthika M (ENG23CS0090) and Mr. Karthik K P (ENG23CS0337) 3rd year CSE students has a team Last Commit successfully participated and won 2nd Runner place with a cash prize of Rs15,000 at the DEVHACK 2.0 - A 36-hour National Hackathon organized by Department of CSE, DSU on 12th and 13th

STUDENT ACHIEVEMENTS

Mr. Arjit Kulkarni (ENG24CS0334), Mr. Tarun N (ENG24CS0695), Mr. Jayadeva Arya (ENG24CS0459), 2nd year CSE students (ACM members) participated has team Neural Nomads in Explore and Evolve Hackathon at Christ University Bangalore and won the hackathon with a cash prize of Rs.50,000, during 15th September 2025.

Ms. Shaik saara Shireen (ENG23CS0179), 3rd year CSE student completed an online course named "Pandas certificate" from Kaggle during September 2025.

Mr. Kruthik H R (ENG24CS0101) 2nd year CSE student successfully completed online certification from Oracle University i.e Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate during 9th September 2025.

STUDENT ACHIEVEMENTS

Mr. Giridhar S T (ENG23CSE004), M. Tech Student, Department of CSE, Dr Meenakshi Malhotra, Associate Professor and Dr. Girisha G S, Professor, Department of CSE presented the research paper entitled "LLM-Based Dysarthric Communication Aid with Text and Voice Output" in the IEEE Technical Sponsored 1st International Conference on Recent Innovation Science, Engineering and Technology (ICRISET 2025) Jeppiaar Institute of Technology Chennai, Tamil Nadu, India, on 1st & 2nd, August 2025.

STUDENT ACHIEVEMENTS

Mr. K Sai Harsha Vardhan (ENG23CSE006), M. Tech Student, Department of CSE Dr George Fernandez I, Associate Professor and Dr. Girisha G S, Professor, Department of CSE presented the research paper entitled "Medical Imaging of Automated Diagnosis with Deep Learning Cloud-Based Framework" in the IEEE Technical Sponsored 1st International Conference on Recent Innovation Science, Engineering and Technology (ICRISET 2025) Jeppiaar Institute of Technology Chennai, Tamil Nadu, India, on 1st & 2nd, August 2025.

STUDENT ACHIEVEMENTS

Mr. Lohith N H (ENG21CS0206), Ms. Raksha R (ENG21CS0321), Ms. Priya Kumari (ENG21CS0308) and Mr. Karthik MC (ENG21CS0207), 2025 passed out Students, under the guidance of Dr. Arunkumar Gopu, Associate Professor, Department of CSE participated in the project exhibition for the project titled "Insight Vision" during 48th Series of the KSCST State-Level Poster Presentation and Exhibition, held at Jawaharlal Nehru New College of Engineering, Shivamogga on 1st and 2nd August 2025.

ARTPARK

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru - 560 012.

Telephone : 080 - 2334 1652, 2334 8848, 2334 8849 | E-mail : office.kscst@iisc.ac.in | Website: www.kscst.org.in

CERTIFICATE

This is to certify that Mr. LOHITH N H, Mr. KARTHIK MC, Ms. PRIYA KUMARI and Ms. RAKSHA R students of DAYANANDA SAGAR UNIVERSITY, RAMANAGARA participated in the 48th Series of Student Project Program (SPP) held on 1 - 2 August, 2025 at Jawaharlal Nehru New College of Engineering (JNNCE), Shivamogga. The project entitled INSIGHT VISION under the guidance of Dr. ARUNKUMAR GOPU was selected for the Exhibition.

This programme is supported by:

Department of Science and Technology, Government of India and Government of Karnataka

AI and Robotics Technology Park (ART-Park), Indian Institute of Science

Karnataka State Bioenergy Development Board, Government of Karnataka

Date : 2nd August 2025

Place : Shivamogga

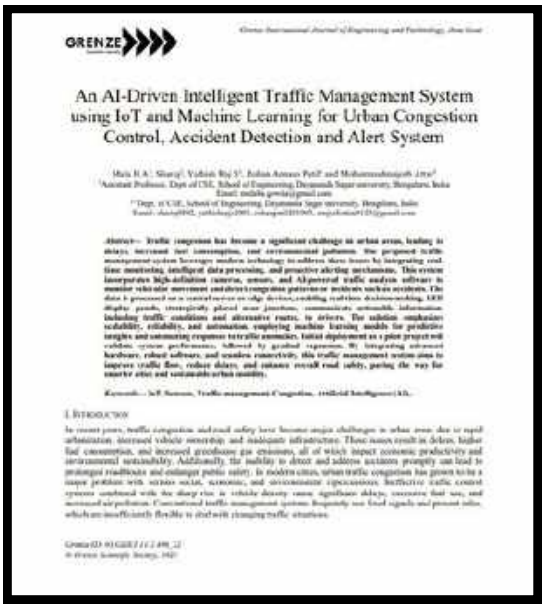
(Prof. Ashok M. Raichur)

Secretary, KSCST and

Professor, Department of Materials Engineering, IISc

STUDENT ACHIEVEMENTS

Mr. Mohammad Mujeeb M Attar (ENG21CS0231), Mr. Rohan Annaso Patil (ENG21CS0340), Mr. Shariq (ENG21CS0374) and Mr. Yathish Raj S (ENG22CS1044) 2025 passed out Students, Department of CSE published a paper titled "An AI-Driven Intelligent Traffic Management System Using IoT and Machine Learning for Urban Congestion Control, Accident Detection and Alert System", under the guidance of Prof. Mala B A, Assistant Professor, Department of CSE in the Grenze International Journal of Engineering and Technology, during August 2025, which was presented in the Scopus indexed Hinweis Third International Conference on Advanced Research in Engineering and Technology (ARET) Kolkata.


GRENZE

An AI-Driven Intelligent Traffic Management System using IoT and Machine Learning for Urban Congestion Control, Accident Detection and Alert System


GRENZE

STUDENT ACHIEVEMENTS

Ms. Keerthana V (ENG21CS0186), Ms. Kriti Manini Raju (ENG21CS0191), Ms. Nitya A N (ENG21CS0274) and Mr. Tilak Uppar (ENG21CS0447)2025 passed out Students, Department of CSE published a paper titled "IoT Enabled Smart Container System for Pharmaceutical Supply Chain Management" , under the guidance of Prof. Mala B A, Assistant Professor, Department of CSE in the Grenze International Journal of Engineering and Technology, during August 2025, which was presented in the Scopus indexed Hinweis Third International Conference on Advanced Research in Engineering and Technology (ARET) Kolkata.

STUDENT ACHIEVEMENTS

Mr. Nandeesh P Math (ENG21CS0263), Mr. Samarth S S (ENG21CS0356), Ms. Sree Vibha G (ENG21CS0412) and Mr. Venkatesh P (ENG21CS0471) 2025 passed out Students, Department of CSE published a paper titled "A Comprehensive Analysis on AI and ML Techniques for Canine Disease Detection", under the guidance of Dr. Sasikala N, Assistant Professor, Department of CSE in the Grenze International Journal of Engineering and Technology, during August 2025, which was presented in the Scopus indexed Hinweis Third International Conference on Advanced Research in Engineering and Technology (ARET) Kolkata.

GRENZE

A Comprehensive Analysis on AI and ML Techniques for Canine Disease Detection

STUDENT ACHIEVEMENTS

Mr. Darshan R (ENG22CS1024), Mr. Dhanush H S (ENG22CS1025), Ms. Usha Shree P (ENG21CS0453), Mr. Sandeep M Sarangamath- (ENG22CS1039) 2025 passed out Students, Department of CSE published a paper titled "Innovations in AI and Assistive Technologies: Empowering the Visually Impaired" , under the guidance of Dr. Sasikala N, Assistant Professor, Department of CSE in the Grenze International Journal of Engineering and Technology, during August 2025, which was presented in the Scopus indexed Hinweis Third International Conference on Advanced Research in Engineering and Technology (ARET) Kolkata.

STUDENT ACHIEVEMENTS

Mr. Sidmal Madhan (ENG23CS0189), 3rd year CSE student as part of Team Best Shot participated in the "Prompt Builder with Gen AI" event organized by CertifyO during 1st August 2025.

Ms.Pihu Mittal (ENG22CS0391), Mr. Vaibhav V.B (ENG22CS0491), Mr. Vishal S (ENG22CS0505) final year CSE students under the guidance of Dr Meenakshi Malhotra, Associate Professor presented the research paper entitled " Al-driven Academic assistance: Fine tuning LLM for ARXIV" in the IEEE Technical Sponsored 1st International Conference on Recent Innovation Science, Engineering and Technology (ICRISET 2025) Jeppiaar Institute of Technology Chennai, Tamil Nadu, India, on 1st & 2nd, August 2025.

STUDENT ACHIEVEMENTS

Ms. Disha K Nanjunda (ENG21CS0120), Ms. Diya Sujil (ENG21CS0125), Mr. Harish Sasikumar (ENG21CS0147) and Mr. Harsh Jolania (ENG21CS0148) 2025 passed out CSE Students has published a paper entitled "FrameWeaver - A Virtual Storyboarding and Scene Generation Tool" , under the guidance of Prof. Shilpa Sudheendran, Assistant Professor, in the Grenze International Journal of Engineering and Technology, during August 2025, which was presented in the Scopus indexed the Hinweis Third International Conference on Advances in Information, Telecommunication and Computing (AITC) .

FrameWeaver – A Virtual Storyboarding and Scene Generation Tool

GRENZE

FrameWeaver – A Virtual Storyboarding and Scene Generation Tool

Abstract

STUDENT ACHIEVEMENTS

Mr. Kumar Ayush(ENG22CS0347), Ms. Medha Sree Anand(ENG22CS0562), and Mr. Abhay prakash choubey (ENG22CS0221), final year CSE students under the guidance of Prof. Shilpa Sudheendran, Assistant Professor, has successfully presented a paper entitled Auralens: An Intelligent Hearing Companion for the Hearing Impaired using YOLO and Tensor Flow at the 5th International Conference on Soft Computing for Security Applications (ICSCSA-2025) organised by Dhirajlal Gandhi College of Technology, Salem, Tamilnadu on 4th-6th August 2025.

STUDENT ACHIEVEMENTS

Ms. B R Lakshmi (ENG24CSE009) , M Tech 2nd semester Student, Department of CSE, Dr. Rajesh T M, Associate Professor, Dr. Renuka Devi M N,, Prof. Kavyashree I Pattan, Dr P. Naresh, Prof. Yashpal Gupta S, Assistant professors presented a paper titled "Automated Detection of Phishing Website Using Machine Learning Techniques" at the 9th International Conference on Inventive Systems and Control (ICISC-2025) organized by the JCT College of Engineering and Technology, Coimbatore, Tamil Nadu, India 12-13, August 2025.

STUDENT ACHIEVEMENTS

Mr. Mohammed Amirul Aman (ENG22CS0104), Mr. Raghavendragoud (ENG22CS0127), Mr. Raja Mohamad(ENG22CS0131) and Mr. Puneeth (ENG22CS0125) Final Year CSE Students under the guidance of Prof. Kavyashree I Pattan, Assistant Professor, presented a paper titled "Multi-Disease Detection Using Hybrid Models and Transfer Learning:Cardiovascular,Pulmonary,Retinal and Renal" at the 9th International Conference on Inventive Systems and Control (ICISC-2025) organized by the JCT College of Engineering and Technology, Coimbatore, Tamil Nadu, India 12-13, August 2025.

STUDENT ACHIEVEMENTS

Mr. Chandan N S (ENG22CS0038), Ms. Divya Neelappa Marangappanavar (ENG22CS0053), Mr. Honna Reddy G (ENG22CS0071), Ms. Indira S(ENG22CS0073), Final Year CSE Students under the guidance of Prof. Shilpa Sudheendran, Assistant Professor, presented a paper titled "Deep Learning based Goiter Detection and classification for Automated Severity Assessment" at the 9th International Conference on Inventive Systems and Control (ICISC-2025) organized by the JCT College of Engineering and Technology, Coimbatore, Tamil Nadu, India 12-13, August 2025.

STUDENT ACHIEVEMENTS

Mr. Chandan N S (ENG22CS0038), Ms. Divya Neelappa Marangappanavar (ENG22CS0053), Mr. Honna Reddy G (ENG22CS0071), Ms. Indira S(ENG22CS0073), Final Year CSE Students under the guidance of Prof. Mala B A, Assistant Professor, presented a paper titled "Intelligent Failure Detection in Industrial Machines Using Hybrid ML and Anomaly Scores" at the 9th International Conference on Inventive Systems and Control (ICISC-2025) organized by the JCT College of Engineering and Technology, Coimbatore, Tamil Nadu, India 12-13, August 2025.

STUDENT ACHIEVEMENTS

Mr. Kumar Ayush(ENG22CS0347), Ms. Medha Sree Anand(ENG22CS0562), Final Year CSE Students and Prof. Tanaya Bala, Assistant Professor, Department of CSE presented a paper titled "Scalable Detection of Profile Cloning in Social Networks using MapReduce-based Machine Learning" at the 9th International Conference on Inventive Systems and Control (ICISC-2025) organized by the JCT College of Engineering and Technology, Coimbatore, Tamil Nadu, India 12-13, August 2025.

Ms. Maski Sneha (ENG23CS0109), 3rd year CSE student successfully completed the online course with the title pandas in Kaggle on 29th August 2025.

STUDENT ACHIEVEMENTS

Mr. Omkar S G (ENG23CS0128) and Mr. Prajwal Jyotiba Shindhe (ENG23CS0137) 3rd year CSE students have attended a Bootcamp in IIT Goa named as "Fundamentals of Drone Systems and AI/ML for Drone Vision Bootcamp 14" which is funded by MeitY, Govt. of India from 30th June to 4th July 2025.

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.

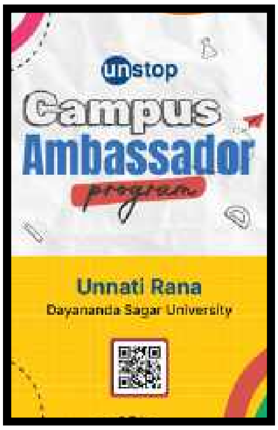
STUDENT ACHIEVEMENTS

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.

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.

STUDENT ACHIEVEMENTS

Ms. Unnati Rana (ENG23CS0670), 3rd year CSE student has been selected as a Campus Ambassador for Unstop, a platform that provides students with opportunities in competitions, internships, and upskilling during July 2025.



Ms. Sindhu BC (ENG22CS0171), Mr. Snehal R(ENG22CS0177), Mr. Joel Cheriyan(ENG22CS0075) and Mr. Sohan M(ENG22CS0178) 4th year CSE students presented a paper titled "Virtual Try-On System" under the guidance of Prof. Kavyashree Pattan, Assistant Professor at the 3rd World Conference on Communication & Computing (WCONF 2025) , held from 25th to 27th July 2025.

STUDENT ACHIEVEMENTS

Prof. Ramandeep Kaur (ENG19CSPP16), Research Scholar, Department of Computer Science and Engineering, under the guidance of Dr. V. Revathi, Associate Professor, Department of CSE completed her Ph.D. Defense VIVA-VOCE entitled "Fault Detection in Cloud Computing Using Machine Learning" , on 29th July, 2025, in A504, School of Engineering, Dayananda Sagar University, Devarakaggalahalli, Harohalli.

STUDENT ACHIEVEMENTS

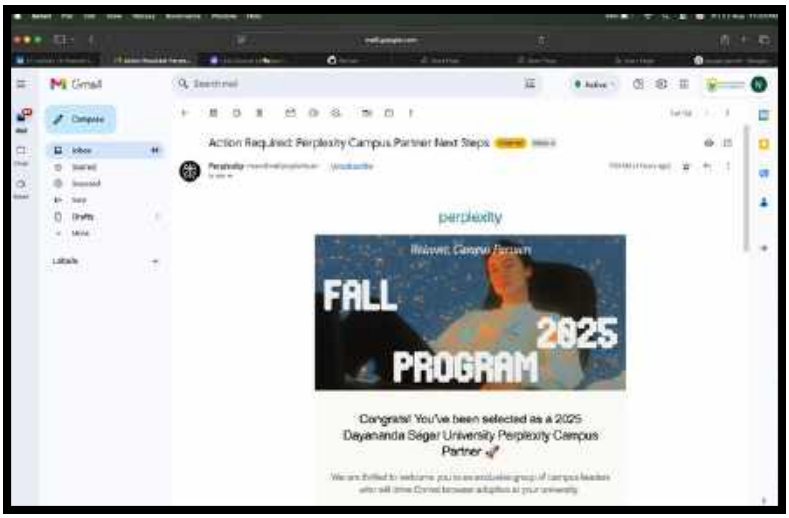
Mr. Andrew Nitin Joseph (ENG21CS0164), Mr. Naindeep Singh (ENG21CS0261), Ms. Jasmitha JK (ENG21CS0168), Mr. Mathew Jacob (ENG21CS0226), 2025 graduated CSE students Published a Paper in the Scopus indexed Q3 Journal under the guidance of Dr. Revathi V, Associate Professor, department of CSE with the title "AI-Enabled Cloudless Home Ecosystem: A Decentralized Architecture for Enhanced Security and Intelligent Control" in the journal Journal of basic science and engineering during July 2025.

Mr. Kumar Ayush(ENG22CS0347), Ms. Medha Sree Anand(ENG22CS0562), Mr. Abhay prakash choubey (ENG22CS0221) and Mr. Meet Pandya (ENG22CS0363) under the guidance of Prof. Shilpa Sudheendran has virtually presented a paper entitled " A Real-Time Object Detection and Proximity Estimation System for the Visually Impaired Using YOLO and Mobile Devices" in the Sixteenth International Conference on Computing, Communication and Networking Technologies (ICCCNT 2025), held at IIT Indore, in association with the IEEE Electronics Packaging Society and the All India Council for Technical Education (AICTE), during July 6th to 11th , 2025.

STUDENT ACHIEVEMENTS

Ms. Unnati Rana (ENG23CS0670), 3rd year CSE student has been selected as a Google Student Ambassador (GSA), Lead AI awareness, workshops, and campus events and also Represent Google Gemini and drive conversations on AI innovation from September 2025.

Mr. N. Bharath (ENG24CS0537), 2nd year CSE student has been selected as a Perplexity Campus Partner for the Fall 2025 program during September 2025.



STUDENT ACHIEVEMENTS

Mr. Rakesh T M, Research Scholar and Dr. Girisha G S, Professor Department of CSE published a research article entitled "Enhanced Text Extraction: Combining Bacteria Foraging Optimization Algorithm Optimized Scale-Invariant Feature Transform with Machine Learning for Robust Performance" in the Scopus indexed Q3 Journal named Mathematical Modelling of Engineering Problems (MMEP) by the publisher IIETA during September 2025.

Mathematical Modelling of Engineering Problems

Enhanced Text Extraction: Combining Bacteria Foraging Optimization Algorithm-Optimized Scale-Invariant Feature Transform with Machine Learning for Robust Performance

Rakesh T M, Girisha G S

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Keywords:
text retrieval, Bacteria Foraging Optimization Algorithm (BFOA), Scale-Invariant Feature Transform (SIFT), complex backgrounds, machine learning, Random Forest

ABSTRACT

This research presents a novel hybrid method for robust text retrieval from images captured under varying illumination and background conditions—challenges where conventional deep learning models often struggle. The proposed approach combines Scale-Invariant Feature Transform (SIFT) for keypoint detection with the Bacteria Foraging Optimization Algorithm (BFOA) to optimize feature selection and reduce computational complexity. A Random Forest (RF) classifier is then employed for final classification, offering improved generalization under diverse visual environments. Unlike existing deep learning approaches, this BFOA-optimized SIFT+RF pipeline achieves higher accuracy with lower processing overhead. On benchmark datasets, the proposed model achieves a retrieval accuracy of 92.4%, outperforming baseline convolutional neural network (CNN) models by 7.1%, while maintaining consistent performance under variable lighting conditions. These results highlight the method's novelty and effectiveness, making it well-suited for applications such as document digitization, scene understanding, and image-based text retrieval.

1. INTRODUCTION

Image-to-text recognition has become an imperative feature in many applications of the real world such as document scanning, smart surveillance, assistive technologies and scene parsing. Optical Character Recognition (OCR) is a primary substance which allows the automatic detection and translation of text content of scanned documents, photographs, and natural images into machine-readable text. Although OCR technologies have come quite far, numerous problems remain unsolved, especially in uncontrollable settings because lighting and complex backgrounds, occlusions, and skewness or blur of images reduce the accuracy of recognition. The latest development of deep learning- successful applications of convolutional neural networks (CNNs) and attention-based models in OCR tasks have added significant performance gains over structured data [1, 2]. Nevertheless, such models tend to demand a large amount of labelled data, excellent equipment to train and deploy, and they are still lacking in interpretability. Additionally, their generalization becomes more likely to degrade due to different environmental conditions, hence they are less efficient in real-life situations where the background clutter, variance in light and fewer computational resources could be present. Available hand-designed feature-based feature-based methods e.g., Scale-Invariant Feature Transform (SIFT), are computationally efficient and can learn to be interpretable, however, have issues concerning robustness in the presence of dynamic situations [3]. OCR The gap between the speed of deep learning and the efficiency of the traditional approaches is not properly closed yet, leaving an urgent research need in high-performance, low-heavy OCR solutions fit to work in complex, visually-rich contexts without being computationally demanding.

1.1 Research gap

Existing studies either focus on traditional methods that struggle under real-world variability or adopt deep learning architectures that demand heavy computation and massive training data. A notable gap lies in the development of lightweight, interpretable, and data-efficient alternatives that can perform robust text extraction under adverse conditions such as complex backgrounds and dynamic lighting—scenarios common in mobile, industrial, or archival imaging contexts.

In order to fill this gap, we offer a new hybrid framework that will involve SIFT-based feature extraction model, the Bacterial Foraging Optimization Algorithm (BFOA), and a Random Forest classifier. To complement the SIFT process, BFOA develops most discriminative keypoints and descriptors, and therefore they minimize feature redundancy and facilitate robustness during adverse circumstance. The Random Forest is applicable on the noisy high-dimensional data sets and is utilized to classify the optimized features. The outcome of such an integration is a system that is not only

STUDENT ACHIEVEMENTS

Mr. Manoj Satish Shet (ENG24CS0125), 2nd year CSE student has successfully awarded for his enthusiastic participation in THINK VERSE' 25 organised by the Entrepreneurship Cell at Dayananda Sagar University, School of Engineering on 22nd and 23rd of September 2025.

Ms. Krishitha C S (ENG25CS1799), 2nd year CSE student has been awarded for her enthusiastic participation in THINK VERSE' 25 organised by the Entrepreneurship Cell at Dayananda Sagar University, School of Engineering on 22nd and 23rd of September 2025.

Ms. Krishitha C S (ENG25CS1799), 2nd year CSE student successfully participated in the Gemini Masterclass organized by Google Student Ambassador Workshop at DSU and received a certificate of participation during 24th September 2025.

STUDENT ACHIEVEMENTS

Mr. Taha Samir Tambe (ENG24CS0691), 2nd year CSE student has successfully participated and won 1st place in the AI in Education domain at the UDAYA 1.0 Intra DSI Hackathon hosted by Dayananda Sagar College of Engineering(DSCE) during 27th September 2025

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DAYANANDA SAGAR COLLEGE OF ENGINEERING
Department of Computer Science & Design
CERTIFICATE OF ACHIEVEMENT
proudly awarded to
Taha Samir Tambe - Hackstyndy
for securing First in AI in Education domain
in UDAYA 1.0 Intra-DSI Hackathon held on 27th September, 2025.

Ms. Shaik Saara Shireen (ENG23CS0179), 3rd year CSE student has a team Ideatechs successfully participated at the UDAYA 1.0 Intra DSI Hackathon hosted by Dayananda Sagar College of Engineering(DSCE) during 27th September 2025.


DAYANANDA SAGAR COLLEGE OF ENGINEERING
Department of Computer Science & Design
CERTIFICATE OF PARTICIPATION
proudly awarded to
Shaik Saara Shireen R - Team Ideatechs
in acknowledgement of their commitment and active participation in
UDAYA 1.0 Intra-DSI Hackathon held on 27th September, 2025.

Ms. Shaik Saara Shireen (ENG23CS0179), 3rd year CSE student has been awarded for her enthusiastic participation in THINK VERSE' 25 organised by the Entrepreneurship Cell at Dayananda Sagar University, School of Engineering on 22nd and 23rd of September 2025.


Certificate
OF PARTICIPATION

STUDENT ACHIEVEMENTS

Ms. Maski Sneha (ENG23CS0109), 3rd year CSE student successfully completed the HackerRank Skill Certification Test in Java (Basic) and earned a Certificate of Accomplishment on 26th September 2025

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Ms. Maski Sneha (ENG23CS0109), 3rd year CSE student Successfully completed the Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate certification and earned the credential on 28th September 2025.

Mr. Raghav Thakur (ENG23CS0413), and Mr. Vinod S Sambrani (ENG23CS0223) 3rd year CSE students Successfully participated in the hackathon DecodeX and secured the 5th rank in the event, held at B.M.S. Institute of Technology during 20-21 September 2025.

STUDENT ACHIEVEMENTS

Ms. Roopa Nagaraj Doddamani (ENG23CS0166), 3rd year CSE student Successfully completed online courses named "Getting started with Basics of Python" and " Data Visualization" on 20th and 25th September 2025 respectively from Vodafone Idea Foundation.

Ms. Shaik Sihaam (ENG24CS0647), 2nd year CSE student Successfully completed online courses named "Introduction to Prompt Engineering" from Simplilearn during 28th September 2025.

Mr. Bindhu Kumar (ENG24CS0039), Mr. Praveen H S(ENG24CS0165) and Mr. Sanket Basannavar(ENG24CS0207) 2nd year CSE students has a team Neuroquad successfully participated in the UDAYA 1.0 Intra DSI Hackathon hosted by Dayananda Sagar College of Engineering(DSCE) during 27th September 2025.

STUDENT ACHIEVEMENTS

Mr. Sharon Zachariah (ENG22CS0588), Ms. Thanushree V (ENG22CS0597), Final year CSE Students and Prof. Nandini K, Prof. Arpita Paria, Prof. Kavyashree I Pattan, Assistant Professors, Dr. Girisha G S, Professor, Department of CSE presented a research work titled "Vision-Based Solid Waste Segregator: Leveraging Transfer Learning and Robotics" at the IEEE International Conference "NKCon-25" in association with IEEE North Karnataka Subsection and hosted at KLE Institute of Technology, Gokul Road, Hubballi, North Karnataka, during 27th & 28th September 2025.

STUDENT ACHIEVEMENTS

Mr. Pavan Kumar G R (ENG23CS0131), Mr. Prajwal Jyotiba Shindhe (ENG23CS0137) and Mr. Aditya Nayak (ENG23CS0009) 3rd year CSE students has a team Vade Gopal successfully participated and won 3rd place in the UDAYA 1.0 Intra DSI Hackathon hosted by Dayananda Sagar College of Engineering(DSCE) during 27th September 2025.

Ms. Sri Devi C R (ENG21CS0413), Mr. Sushil R (ENG21CS0431), Mr. Shreyas Sampangi Ramaiah (ENG21CS0390), Mr. U Sriram (ENG21CS0449) and Dr. Savitha Hiremath, Associate Professor, Department of CSE presented a paper titled "Smart Farming System for Soil-Centric Crop Selection and Fertilizer Content Optimization Using IoT and Ensemble Learning" in the 3rd IEEE International Conference for Women in Innovation, Technology and Entrepreneurship, ICWITE (IEEE ICWITE 2025) organized by BGS College of Engineering & Technology during 26th & 27th September 2025.

STUDENT ACHIEVEMENTS

Ms. Nandini R (ENG22CS0108), Ms. Neethu J (ENG22CS0110), Ms. Nisarga V P (ENG22CS0111), Mr. G S Tejas (ENG22CS0301), 4th year CSE students and Dr.Basavaraj N Hiremath, Professor, Dr. Savitha Hiremath, Associate Professor, Department of CSE presented a paper titled "RAGClin: A Privacy-Preserving Retrieval-Augmented Generation Framework for Clinical Question" at the Fifth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT- 2025), organized by PES college of Engineering, Mandya during 12-13th September 2025.

EDITORIAL COMMITTEE

Faculty Coordinators

Prof. Mala B A
Assistant Professor

Prof. Yashaswini H C
Assistant Professor

Prof. Sasikala N
Assistant Professor

Student Coordinators

Mr. Pavan Kumar G R
3rd Year

Mr. Ibrahim Sharif
3rd Year

Mr. D. A. Ajay
2nd Year

PROGRAM OUTCOMES (PO'S)

PO1 - Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2 - Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3 - Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4 - Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5 - Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6 - The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7 - Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8 - Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9 - Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10 - Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11 - Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12 - Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM EDUCATIONAL OBJECTIVES (PEO'S)

After few years of graduation, the graduates of Computer Science and Engineering will be able to:

PEO1: Apply appropriate theory, practices and tools in the design, implementation, maintenance and evaluation of computing in the work place or in higher education.

PEO2: Exhibit professional skills in solving challenging problems in their career and advance to leadership roles.

PEO3: Become effective innovator, researcher, and entrepreneur to provide technical solutions for socio-economic challenges.

PROGRAM SPECIFIC OUTCOMES (PSO'S)

Engineering Graduates will be able to:

PSO1: Design and Integrate software and hardware systems by following standard software engineering principles in the areas related to IOT, Cloud, Networks, Security, Embedded Systems, and Artificial Intelligence of varying complexity.

PSO2: Design and Implement application software systems by applying the concepts of Programming languages, Machine Learning, Mobile Computing, and Data Science that meet the automation requirements of society and Industry.

Department of Computer Science and Engineering Dayananda Sagar University Devarakaggalahalli, Harohalli, Kanakapura Road, Ramanagara Dt - 562 112