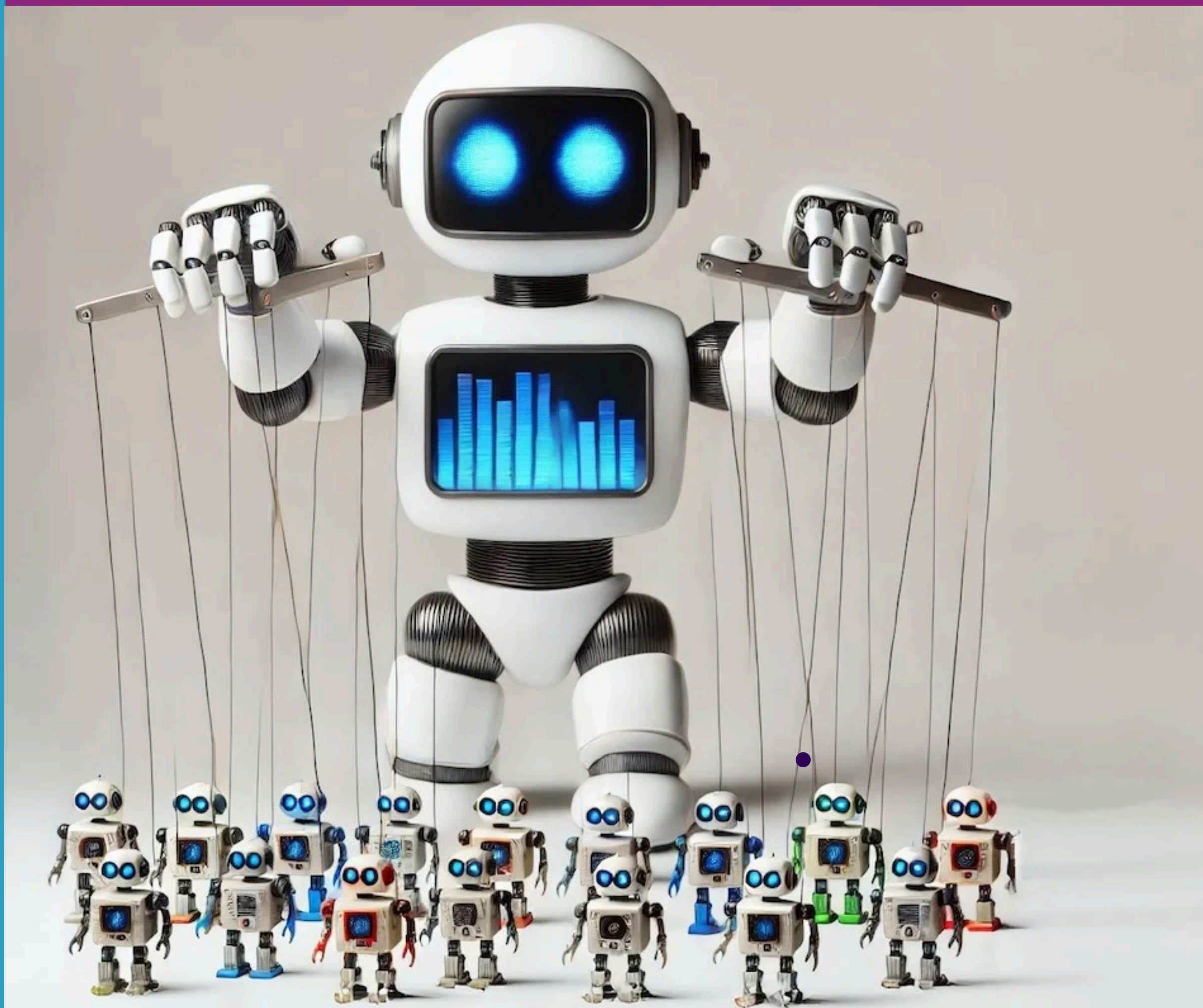
CANARA ENGINEERING COLLEGE

2025, VOLUME IV, ISSUE 2
Jul 2025 - Dec 2025

DARPANA

NEWSLETTER FROM CANARA ENGINEERING COLLEGE

Artificial Intelligence and Machine Learning



HIGHLIGHTS

- WORKSHOP WINNERS
- UDAL
- MIND VS MODEL
- IoT WORKSHOP
- NPTEL TOPPER
- MENTORSHIP EXCELLENCE AWARD
- SCLERATHON
- HACKTHON

Sudhindra Nagara,Benjanapadavu,Bantwal,Mangaluru, India-574219. **Ph: 8792727001/8904737001**
www.canaraengineering.in enquiry@canaraengineering.in #CanaraEngineeringCollege

DEPARTMENT PROFILE

The department was established in 2021 to offer an undergraduate degree program, the Bachelor of Engineering (BE) in Artificial Intelligence and Machine Learning (AIML). AIML is at the forefront of computer science, expanding rapidly into sectors such as healthcare, security, entertainment, education, autonomous transportation, robotics, space exploration, speech processing, and stock trading, among others. The pervasive influence of Artificial Intelligence has profoundly impacted our lives. AI aims to emulate human intelligence, imparting cognitive abilities to robots. Machine learning (ML), a subset of AI, enables machines to learn autonomously.

The emergence of AI and ML has generated numerous career opportunities and is a pivotal driver of digital transformation, creating a high demand for skilled engineers proficient in these technologies. Graduates of this program possess a highly valuable degree, opening doors to employment across various industries. The curriculum emphasizes core competencies in Mathematics, Network Architectures, Computer Vision, Computer Programming, Communication Networks, Machine Learning, Artificial Intelligence, and Data Science equipping students to develop intelligent applications that address societal and national needs.

The department actively conducts skill enhancement training programs for both faculty and students, fostering technological advancements and disseminating research findings. It offers soft skills training, technical skill development activities, and encourages self-learning through certification courses available on prominent online platforms (SWAYAM-NPTEL, Coursera, Udemy, edX), as well as extracurricular engagements facilitated by various clubs, aimed at enhancing placement opportunities and fostering overall personality development.

EDITORIAL BOARD

Dr. Basappa B. Kodada
Professor & HOD

Mr. Nagaraj Gadagin
Assistant Professor

Mrs. Sowmya D
Lab Instructor

STUDENT MEMBERS

Mr. Ajay P. Mahale
4CB22AI004

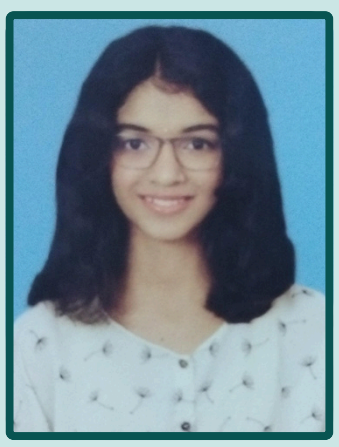
Ms. Disha Suraj Kallya
4CB22AI017

Mr. Manvith V. Moolya
4CB23AI052

Ms. Kavya
4CB23AI042

Mr. Pratheek Kini
4CB23AI071

Ms. Sanjana Mahale
4CB23AI087



Ms. Kruttika A. B.
4CB24AI047

Pranav M. R.
4CB24AI074

VISION AND MISSION OF THE DEPARTMENT

VISION

To be identified as learning centre in the domain of Artificial Intelligence and Machine Learning education that delivers competent and professional engineers to meet the needs of industry, society and the nation.

MISSION

- To impart skill-based (Artificial Intelligence and Machine Learning) education through competent teaching-learning process.
- To establish a research and innovation ecosystem that provides solution for technological challenges of industry, society and the nation.
- To promote innovation and start-up culture among staff and students for addressing the challenges of needy.
- To set-up industry-institute interface for overall development of students through practical internship and team work activities.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

- Implement Smart Intelligent Systems that caters to the needs of Industry and Society.
- Enhance their skill set in the domain of Computer Science and Engineering to pursue Higher Education and Research.
- Develop an Innovative and Entrepreneurial mind set to contribute towards building an Atma Nirbhar Bharath.

PROGRAMME OUTCOMES (PO)

Engineering graduates in Artificial Intelligence and Machine Learning will be able to:

1. Engineering Knowledge: Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.
2. Problem Analysis: Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development (WK1 to WK4).
3. Design/Development of Solutions: Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required (WK5).
4. Conduct Investigations of Complex Problems: Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & interpretation of data to provide valid conclusions (WK8).
5. Engineering Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems (WK2 and WK6).
6. The Engineer and The World: Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment (WK1, WK5, and WK7).
7. Ethics: Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws (WK9).
8. Individual and Collaborative Team work: Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.
9. Communication: Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences.
10. Project Management and Finance: Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.
11. Life-Long Learning: Recognize the need for, and have the preparation and ability for i) independent and life-long learning ii) adaptability to new and emerging technologies and iii) critical thinking in the broadest context of technological change.

PROGRAMME SPECIFIC OUTCOMES (PSO)

1. **Intelligent Systems:** Select appropriate technologies to analyse, design, implement, and deployment of smart and intelligent systems
2. **Contemporary Systems:** Design, and development of efficient IT solutions for challenging issues through experiential learning

AIML FAMILY

Dr. Basappa B. Kodada
Professor & HOD

Dr. Sujatha M.
Associate Professor

Dr. Ganesh Pai
Associate Professor

Dr. Dhananjaya G. M
Associate Professor

Mr. Siju V. Soman
Assistant Professor

Mr. Deepak D.
Assistant Professor

Mr. Nagaraj Gadagin
Assistant Professor

Ms. Prathibha M
Assistant Professor

Mr.Sandesh Kamath
Assistant Professor

Mr. Nithin Kurup U.G.
Assistant Professor

Mr. Arjun K
Assistant Professor

Mr. Vinod Kumar B
Assistant Professor

Mrs. Supriya A. V.
Assistant Professor

Mrs. Tara B B
Assistant Professor

Mr. Kiran Ankalakoti
Assistant Professor

Mrs. Archana. S
Assistant Professor

Mrs. Kavitha K. B
Assistant Professor

Mrs. Jayashree S
Assistant Professor

Mrs. Prathiksha
System Analyst

Mr. B. Rajesh Rao
Sr. Lab Instructor

Mrs. Sowmya D.
Lab Instructor

Mrs. Vijetha B
Lab Instructor

Mr. Prajwal K
Lab Instructor

AIML	Male	Female	Total
Faculty	11	7	18
Staff	2	3	5
Students- II	71	56	127
Students- III	58	70	128
Students- IV	42	21	63

STAFF ACHIEVEMENTS

Publications/Patent/FDP/Workshop/Training/Conference/Exhibition attended

Dr. Basappa B Kodada

- Published a patent titled " AI Driven Performance Monitoring and Training Assistant for Table Tennis", on 05/12/2025, Intellectual Property of India.
- Invited as the Resource Person for the Career Guidance Program held on 17th Dec 2025. at Canara -Vikas PU Colege , Mangaluru
- BoE Member (PhD - CET and PG) of KSOU Mysore for the academic year 2025-26.
- BoE Member (UG) at NMAMIT, NU, Nitte for the academic year 2025-26.
- Participated in hands-on workshop on the "Agentic AI and their evolving applications" at the IEEE AgenticAI Summit 2025, held on 12th & 13th December 2025 at the Indian Institute of Science (IISc), Bengaluru.
- Participated and successfully completed the AI Immersion Week Program organized by CII-HP Centre for AI on 5th Aug 2025
- Participated in the exhibition on the "Super Computing India 2025" by CDAC- Bengaluru, at theMIT Bangalore Campus, held on 10th & 11th December 2025.

Publications/Patent/FDP/Workshop/Training/Conference/Exhibition attended

Dr. Sujatha M.

- Published a patent titled " AI Driven Performance Monitoring and Training Assistant for Table Tennis", on 05/12/2025, Intellectual Property of India.
- Successfully completed the one-week online Faculty Development Program (FDP) titled "Effective Research Proposal Writing: Turning Research Ideas into Funded Projects," organized by ProMind Research Academy, Erode, from 30th June 2025 to 4th July 2025.
- Delivered a technical talk with hands-on as a Guest Speaker on “1DCNN and Its Variants” on July 3, 2025, Thursday as part of AICTE Sponsored AICTE-QIP PG Certificate Program on “Deep Learning”, Phase-1 from 30th June 2025–12th July 2025. at NITK Suratkal.
- Reviewed the paper submitted to Second IEEE International Conference on Computing, Semiconductor, Mechatronics, Intelligent Systems and Communications (COSMIC – 2025) at Sahyadri College of Engineering & Management (SCEM), Adyar, Mangaluru, Karnataka during 21 - 22 November 2025.
- Reviewed the papers submitted to the International Conference on “Intelligent Systems for Pioneering Innovation in Robotics and Electric Mobility”- INSPIRE 2025 (IEEE Conference #67328) organized by Mangalore Institute of Technology & Engineering, Moodabidri, India, on 20 & 21 November, 2025.
- Received "certificate of reviewing" in July2025 from soil & Tillage Research Journal for reviewing a paper.
- Successfully completed the Faculty Development Programme on “Smart Biomedical Signal Processing: Leveraging IoT, Edge Computing, and ML” organized by Electronics and ICT Academy IIT Roorkee in association with ABV-IIITM, Gwalior held from 12th July 2025 – 16th July 2025.

Publications/Patent/FDP/Workshop/Training/Conference/Exhibition attended

Dr. Dhananjaya G M

- Published a patent titled " AI Driven Performance Monitoring and Training Assistant for Table Tennis", on 05/12/2025, Intellectual Property of India.
- Published a patent titled "Innovative Frameworks for Educational Videos Enhancing Knowledge Representation and Personalized Resource Delivery", on 05/12/2025, Intellectual Property of India.
- Delivered the session on Protecting Intellectual Property Rights and IP Management for Startups held on 13th August 2025 at Department of CSE, Canara Engineering College, Mangaluru.
- Received certificate of "CERTIFICATE OF REVIEWER RECOGNITION " as REVIEWER for 3rd IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON) organized at Nitte Meenakshi Institute of Technology, Bengaluru, INDIA on 1st and 2nd August 2025 in association with IEEE Bangalore Section.
- Received a letter from PeerJ for reviewing 3 journal papers.
- Served as reviewer in the 2nd IEEE International Conference on Artificial Intelligence and Machine Vision(AIMV)-2025 Organized by the Department of Computer Science and Engineering, School of Technology (SoT), Pandit Deendayal Energy University, Gandhinagar, during August 16-17, 2025.
- Received "Mentorship Excellence Award" from CHSA on August 2025.

Publications/Patent/FDP/Workshop/Training/Conference/Exhibition attended

Mr. Siju V Soman

- Published a paper titled "Human Activity Recognition and Prediction using LSTM and Transformer," 2025 5th International Conference on Soft Computing for Security Applications (ICSCSA), Salem, India, 2025, pp. 1825-1830, doi: 10.1109/ICSCSA66339.2025.11170756.
- Published a Journal Paper titiled " Smart Approach to Human Activity Recognition in IoT Using Hybrid-based Ensemble Classifier.", Journal of Circuits, Systems and Computers, 2550436.
- Received "Mentorship Excellence Award" from CHSA on August 2025.

Publications/Patent/FDP/Workshop/Training/Conference/Exhibition attended

Mr. Deepak D

- Published a patent titled " AI Driven Performance Monitoring and Training Assistant for Table Tennis", on 05/12/2025, Intellectual Property of India.
- Conducted the sessions in the Faculty Development Programme on Artificial Intelligence and its Applications organized by VTU, Belagavi on 30/8/2025.
- Successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on “The AI frontier: LLM's, ethics and Innovation” at Sri Jagadguru Balagangadharatha Institute of Technology from 15/12/2025 to 20/12/2025.
- Published a patent titled "Innovative Frameworks for Educational Videos Enhancing Knowledge Representation and Personalized Resource Delivery", on 05/12/2025, Intellectual Property of India.

Publications/Patent/FDP/Workshop/Training/Conference/Exhibition attended

Mr. Nagaraja Gadagin

- Published a patent titled " AI Driven Performance Monitoring and Training Assistant for Table Tennis", on 05/12/2025, Intellectual Property of India.
- Published a patent titled "Innovative Frameworks for Educational Videos Enhancing Knowledge Representation and Personalized Resource Delivery", on 05/12/2025, Intellectual Property of India.

Publications/Patent/FDP/Workshop/Training/Conference/Exhibition attended

Mr. Sandesh Kamath

- Participated & completed the One Week Faculty Development Program on Recent Advancements in Artificial Intelligence (AI) & ML from 30th June to 4th July 2025, organized by the Department of Electronics and Communication Engineering, St. Joseph's College of Engineering in association with STEP - National Institute of Technology, Surathkal and Pantech eLearning.

Publications/Patent/FDP/Workshop/Training/Conference/Exhibition attended

Mr. Nithin Kurup U G

- Published a paper titled "Smart Farming Reimagined: AI-Based Real-Time Decisions Without Cloud Dependency," 2025 International Conference on Intelligent Systems and Pioneering Innovations in Robotics and Electric Mobility (INSPIRE), Mangalore, India, 2025, pp. 548-553, doi: 10.1109/INSPIRE67328.2025.11300564.
- Participated in the Master Class – Explore AI in Your Classroom, conducted as part of AINNOVATION 2025_II – Code4Bharat Hackathon (Phase I).
- Published a paper titled "Optimizing Nose and Lips Biometrics for Lightweight Authentication in Constrained Computing Environments," 2025 3rd International Conference on Recent Advances in Information Technology for Sustainable Development (ICRAIS), Manipal, India, 2025, pp. 1-8, doi: 10.1109/ICRAIS66073.2025.11234689.

Publications/Patent/FDP/Workshop/Training/Conference/Exhibition attended

Mr. Arjun K

- Participated in the Training of Trainers (ToT) Workshop on Innovation Design Thinking & Project-Based Learning organized by Visvesvaraya Technological University, Belagavi, on 8th September, 2025 at Yenepoya Institute of Technology, Moodbidri.

Publications/Patent/FDP/Workshop/Training/Conference/Exhibition attended

Mr. Vinod Kumar B

- Participated in the Five Days Online Faculty Development Programme on “Artificial Intelligence and Machine learning for Medical Image Processing - Python & MATLAB Perspective”, Conducted by the Department of Electronics & Communication Engineering, CMR Institute of Technology, Bengaluru from 10th to 14th November 2025.

Publications/Patent/FDP/Workshop/Training/Conference/Exhibition attended

Mrs. Supriya A V

- Successfully completed the 40 hours (3-Credits equivalent) Faculty Development Programme on " QT-05 Quantum Computation" jointly organized by various Academies. from 11/7/2025 to 2/8/2025. This programme is funded by MeitY and endorsed by DST - NQM / AICTE / UGC.
- Published a paper titled, "A Privacy-Preserving Multimodal Voice Assistant with Offline Retrieval-Augmented Generation," 2025 International Conference on Intelligent Systems and Pioneering Innovations in Robotics and Electric Mobility (INSPIRE), Mangalore, India, 2025, pp. 683-688, doi: 10.1109/INSPIRE67328.2025.11300651

Publications/Patent/FDP/Workshop/Training/Conference/Exhibition attended

Mrs. Tara B B

- Participated in 5-Days Faculty Development Programme on “Time Series Analysis using EViews” organized by IIT,Chittoor, held from 3rd Nov 2025 – 7th Nov 2025.
- Published a patent titled " GenAI based solution for Systematic Grading in AutonomousEngineering Institute", on 11/7/2025, Intellectual Property of India.

Publications/Patent/FDP/Workshop/Training/Conference/Exhibition attended

Mr. Kiran Ankalakoti

- Published a patent titled " AI Driven Performance Monitoring and Training Assistant for Table Tennis", on 05/12/2025, Intellectual Property of India.
- Published a patent titled "Innovative Frameworks for Educational Videos Enhancing Knowledge Representation and Personalized Resource Delivery", on 05/12/2025, Intellectual Property of India.

Publications/Patent/FDP/Workshop/Training/Conference/Exhibition attended

Mrs. Kavitha K. B

- Successfully completed the Faculty Development Program on "Modern Web Development & AI Integration" under the Next Gen Employability Program from 24 November 2025 – 28 November 2025

Publications/Patent/FDP/Workshop/Training/Conference/Exhibition attended

Mrs. Archana. S

- Participated in 5-Days Faculty Development Programme on “CyberTEA3.0 cybersecurity trends and emerging applications” organized by IIT,Chittoor, held from 10th Dec 2025 – 14th Dec 2025.

Publications/Patent/FDP/Workshop/Training/Conference/Exhibition attended

Mr. Rajesh B Rao

- Undergone basic training in fire prevention and fire fighting on 16-07-2025 at T. V. Raman Pai Convention Centre Premises, Kodialbail, Mangaluru.

Publications/Patent/FDP/Workshop/Training/Conference/Exhibition attended

Mr. Prajwal K

- Undergone basic training in fire prevention and fire fighting on 16-07-2025 at T. V. Raman Pai Convention Centre Premises, Kodialbail, Mangaluru.

NPTEL

Ms. Prathibha M

- Successfully completed 4 weeks (Jul-Oct 2025) NPTEL -AICTE Faculty Development Course on "Python for Data Science" with the consolidated score of 68%

Mr. Sandesh Kamath

- Successfully completed 4 weeks (Jul-Aug 2025) NPTEL - Online Certification on "Python for Data Science" course with the consolidated score of 77%

Mr. Nithin Kurup U G

- Successfully completed 12 weeks (Jul-Oct 2025) NPTEL - Online Certification on "Applied Accelerated Artificial Intelligence" course with the consolidated score of 55%

Mr. Arjun K

- Successfully completed 12 weeks (Jul-Oct 2025) NPTEL -AICTE Faculty Development Course on "Programming In Java" with the consolidated score of 95%

Mr. Vinod Kumar B

- Successfully completed 4 weeks (Jul-Aug 2025) NPTEL - Online Certification on "Technical Communication for Engineers" course with the consolidated score of 71%

Ms. Supriya A V

- Successfully completed 12 weeks (Jul-Oct 2025) NPTEL Online Certification on "Artificial Intelligence: Concepts and Techniques" course with the consolidated score of 95%
- Successfully completed 12 weeks (Jul-Oct 2025) NPTEL - Online Certification on "Introduction to Machine Learning" course with the consolidated score of 60%

ONLINE CERTIFICATION

Mrs. Tara B B

- Successfully completed 6 months AICTE-QIP-PG Certificate Program in "Deep Learning " in December 2025, at NITK, Surathkal.

Mrs. Prathiksha

- Successfully completed 12 weeks (Jul-Oct 2025) NPTEL -AICTE Faculty Development Course on "Programming In Java" with the consolidated score of 93%

Mrs. Sowmya D

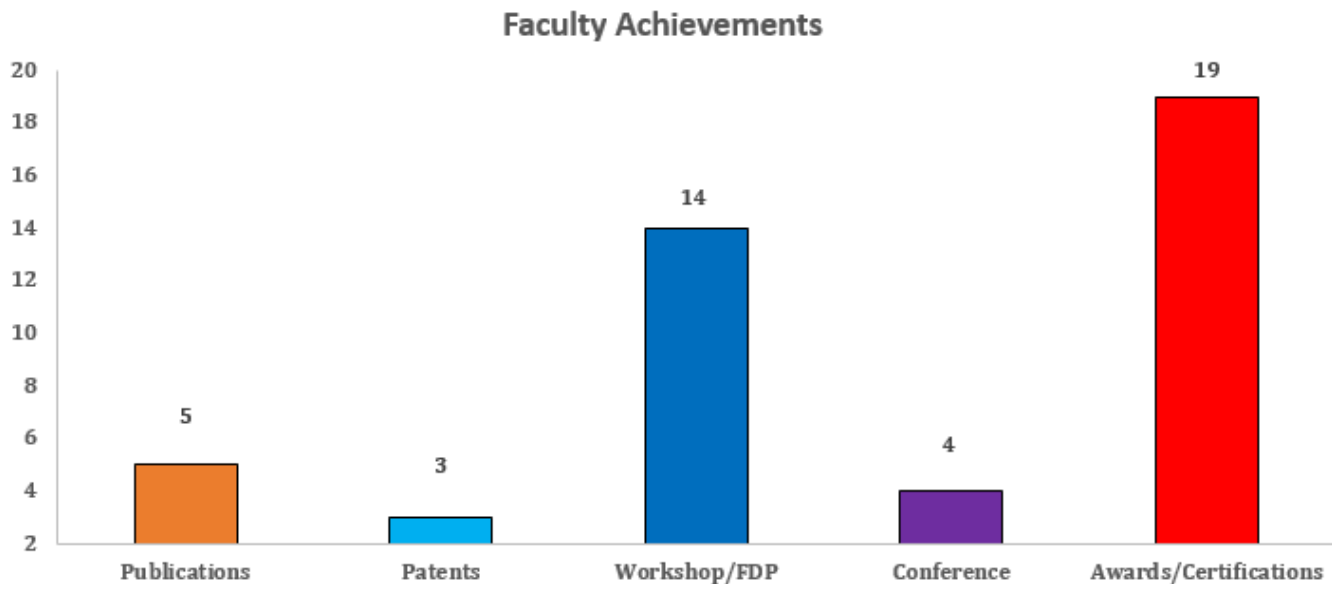
- Successfully completed "Getting Started with Microsoft Excel" and “Getting Started with Microsoft Word”.
- an online non-credit project authorized by Coursera Project Network and offered through Coursera on 02/09/2025

Mrs. Vijetha B

- Successfully completed "Introduction to Artificial Intelligence (AI)" an online non-credit course authorized by IBM and offered through Coursera on 23/07/2025.
- Successfully completed "Using Basic Formulas and Functions in Microsoft Excel" an online non-credit project authorized by Coursera Project Network and offered through Coursera on 28/08/2025.
- Successfully completed the online course "Java Programming for Beginners" on 08/08/2025, through simplilearn | SkillUp platform.
- Successfully completed the online course "Introduction to the Computer Networking" on 16/7/2025, through simplilearn | SkillUp platform.

Mr. Prajwal K

- Successfully completed the online course "Java Servlet Basics and JSP 101" on 14th November 2025, through simplilearn | SkillUp platform.



STUDENT ACHIEVEMENTS

ACADEMIC ACHIEVERS

TOPPERS & RESULT ANALYSIS

VI SEMESTER

SARTHAK
4CB22AI048
SGPA 8.94

AKSHATA KRISHNA HEGDE
4CB22AI007
SGPA 8.89

NITHIN KAMATH
4CB22AI039
SGPA 8.83

AJAY PANDURANG MAHALE
4CB22AI004
SGPA 8.78

IV SEMESTER

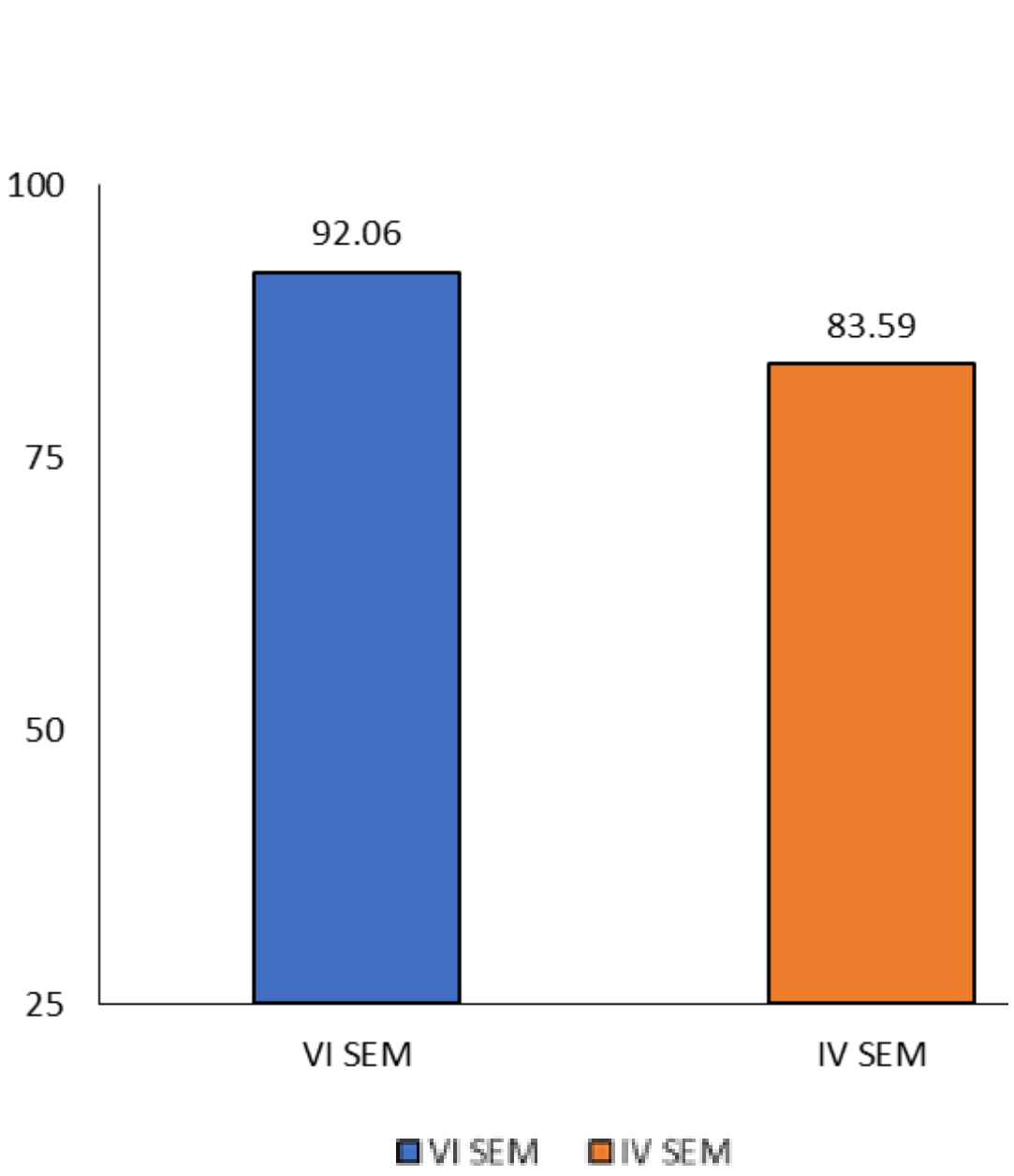
KAVANA VAIDYA
4CB23AI041
SGPA 9.16

HARDIKA V SHETTY
4CB23AI031
SGPA 9.00

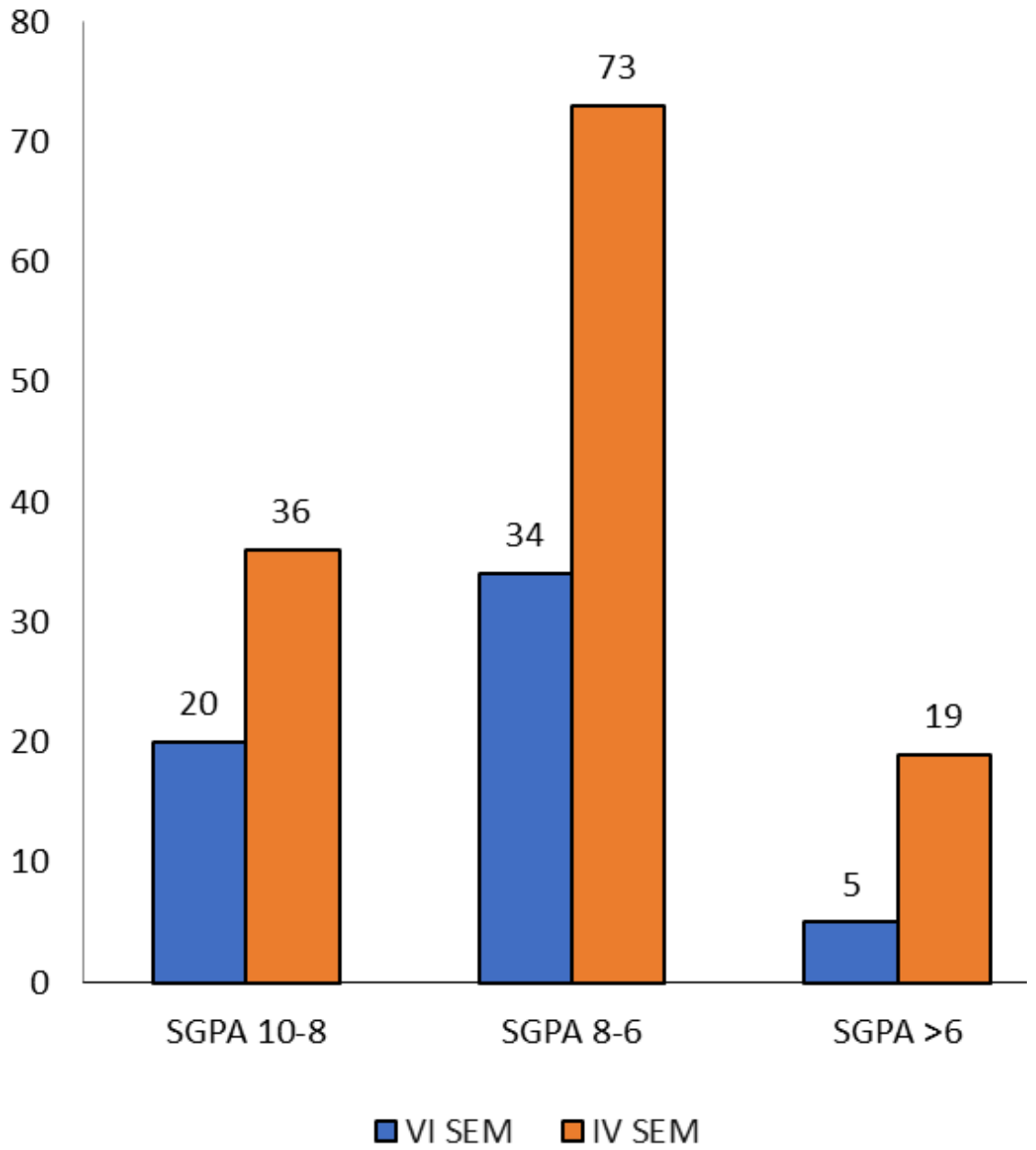
LIKHITHA
4CB23AI048
SGPA 9.00

SANJANA G
4CB23AI086
SGPA 9.00

Pass Percentage



Result Analysis

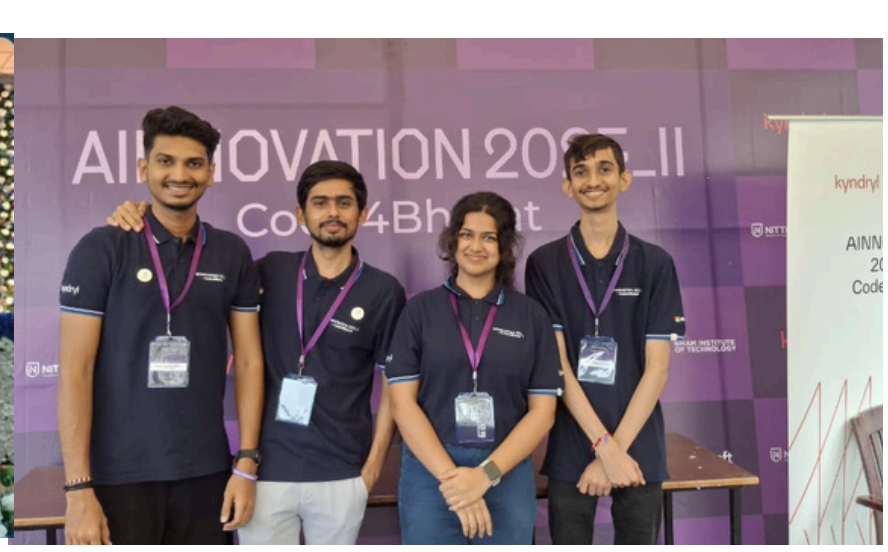


STUDENT ACHIEVEMENTS

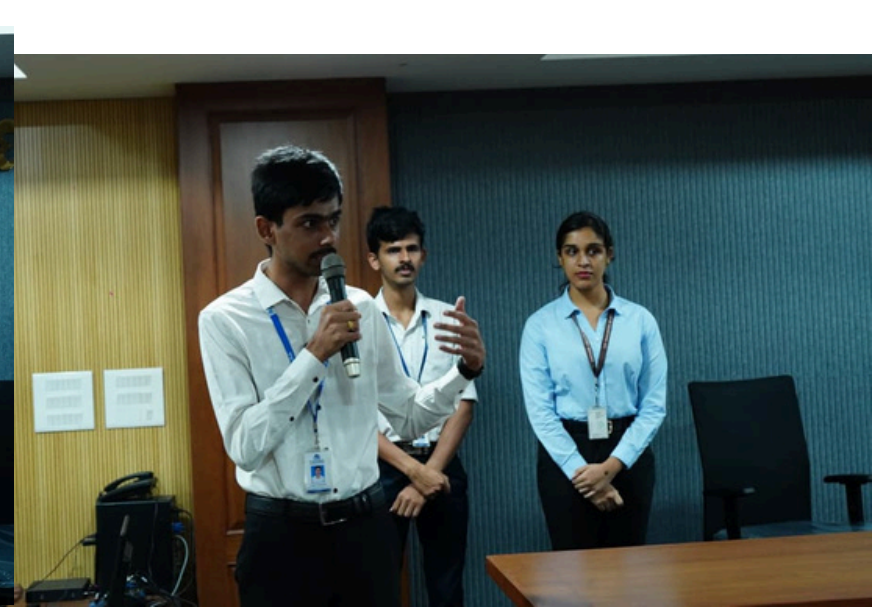
TECHNICAL EVENTS

Team CodeCrafters, comprising Puneeth (4CB23AI075), Srujan D S (4CB23AI112), Suhan (4CB23AI113), and Nikesh (4CB23CS104), participated in the Udbhava 2025 Hackathon held at Nitte Institute of Professional Education (NIPE), Mangalore on 7th and 8th October 2025. Team has received the Appreciation Award along with a cash prize of ₹2000 in the final round.

Team Bioinnovators comprising Prateek Kini(4CB23AI071), Sujan Kumar Shetty (4CB23AI116) Won 2nd Prize of 25000 rupees in AIINOVATION HACKATHON Code4Bharat organised by Microsoft and Kyndryl at NMAMIT, Nitte Karkala.



Prateek Kini(4CB23AI071) of 3rd year, successfully completed the prestigious UDAL Dakshina Kannada Fellowship, contributing to impactful district-level projects under the guidance of the Deputy Commissioner's Office.



STUDENT ACHIEVEMENTS

- Akshay, Chitra, K. K and N. Kamath, published a paper titled "Smart Farming Reimagined: AI-Based Real-Time Decisions Without Cloud Dependency," 2025 International Conference on Intelligent Systems and Pioneering Innovations in Robotics and Electric Mobility (INSPIRE), Mangalore, India, 2025, pp. 548-553, doi: 10.1109/INSPIRE67328.2025.11300564.
- Eshaan P. M, Gagan T. Kottary, Sumesh and Akash Jayan have published a patent titled " AI Driven Performance Monitoring and Training Assistant for Table Tennis", on 05/12/2025, Intellectual Property of India.
- Gautham (USN: 4CB24AI032), a student of III semester, actively participated in Ideathon 2025 (State Level). The event was conducted on 21.11.2025 at New Horizon College of Engineering, Bangalore and organized by AICTE IDEA Lab, Dept of Research & Development.
- Joel Marian Cutinha (USN: 4CB24AI040), a student of III semester, actively participated in Ideathon 2025 (State Level). The event was conducted on 21.11.2025 at New Horizon College of Engineering, Bangalore and organized by AICTE IDEA Lab, Dept of Research & Development.
- Gowreesha, R. M. Dsouza, Sharan and S. N. Salian, published a paper titled "A Privacy-Preserving Multimodal Voice Assistant with Offline Retrieval-Augmented Generation," 2025 International Conference on Intelligent Systems and Pioneering Innovations in Robotics and Electric Mobility (INSPIRE), Mangalore, India, 2025, pp. 683-688, doi: 10.1109/INSPIRE67328.2025.11300651
- Impana P (USN: 4CB24AI035), a student of III semester, actively participated in Ideathon 2025 (State Level). The event was conducted on 21.11.2025 at New Horizon College of Engineering, Bangalore and organized by AICTE IDEA Lab, Dept of Research & Development.
- Kruttika Bhandary (USN: 4CB24AI047), a student of III semester, actively participated in Ideathon 2025 (State Level). The event was conducted on 21.11.2025 at New Horizon College of Engineering, Bangalore and organized by AICTE IDEA Lab, Dept of Research & Development.
- Jeevan Bevan Dsouza (USN: 4CB24AI036), a student of III semester, actively participated in Hackothsava 2025 (National Level). The event was conducted on 3.11.2025 & 04.11.2025 at SMVITM and organized by SMVITM Udupi.
- Ashel Ancita Pinto (USN: 4CB24AI013), a student of III semester, actively participated in Hackothsava 2025 (National Level). The event was conducted on 3.11.2025 & 04.11.2025 at SMVITM and organized by SMVITM Udupi.
- Maithily (USN: 4CB24AI053), a student of III semester, actively participated in Nexathon 2025 (National Level). The event was conducted on 28.10.2025 & 29.10.2025 at Shree Devi Institute of Technology and organized by Shree Devi Institute of Technology.

CERTIFICATION

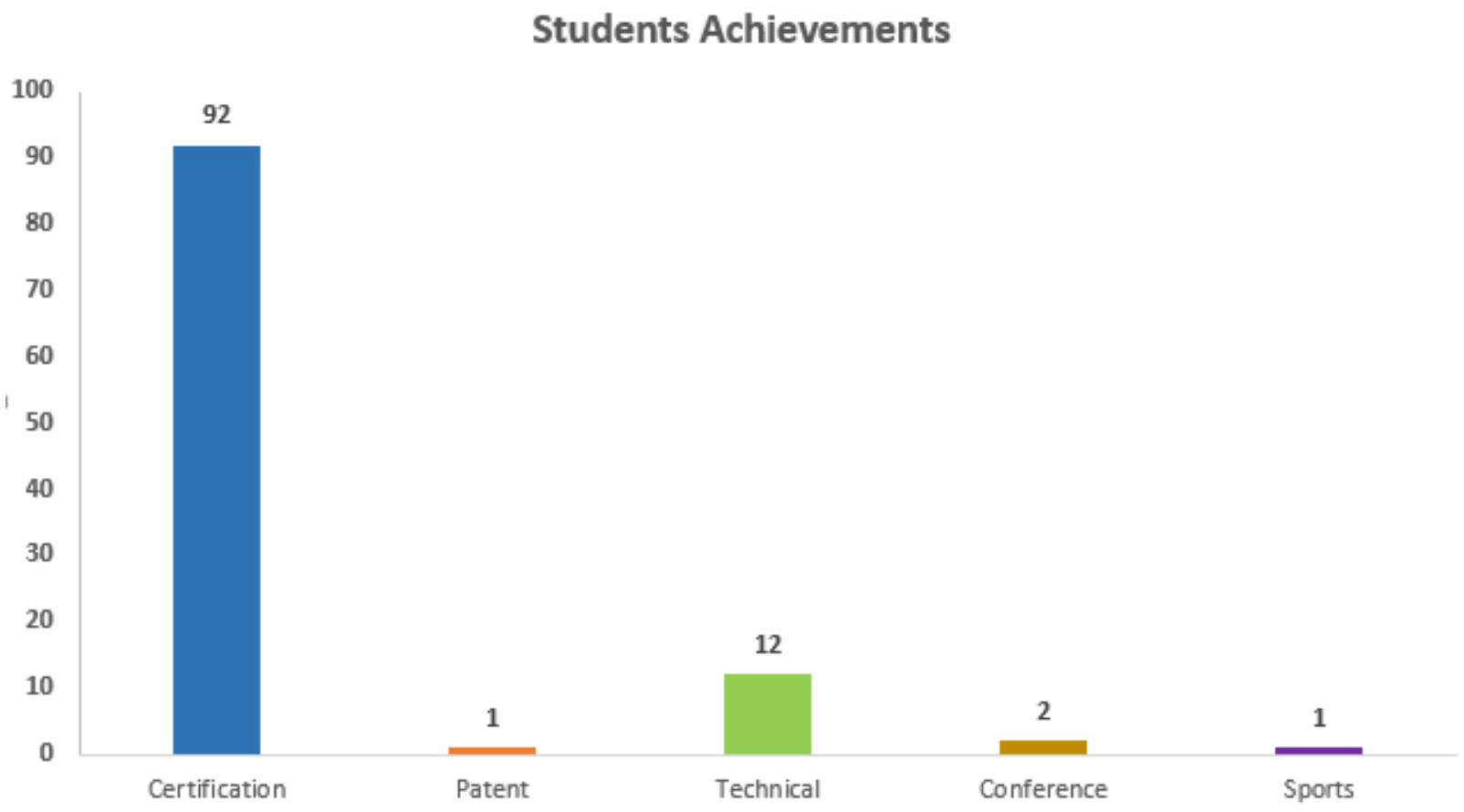
- Students of V Semester, successfully completed the Certificate Course on **"Applied AI Learning Challenge"**, organized by Microsoft, in September 2025 as a part of AINNOVATION 2025. **Participants**: Prathap M Naik, Rhea Wilson Fernandes, Sindhu S Poojary, Srajana, Samruddhi Pai, Vaishnavi Baliga B, Shreesh S Naik Shantaram S Divgi, Shreya S Shetty, Ananya Hebbar, Sinchana U A, Puneeth, Vishwas M, Shabareesha Shetty, and Shriraksha Amin.
- As part of AINNOVATION 2025, the successfully facilitated student participation in the Microsoft AI Learning Challenge, organized by Microsoft, in September 2025. A total of 22 students from Semester V successfully completed the certification. **Participants**: Ankitha Shanbhag, Rakshitha S, Aathmika S Shetty, Shipali B Shetty, A. Deekshitha Kumari, Srajana, Prathap M Naik, Samruddhi Pai, Vaishnavi Baliga B, Sanjana G, Shreya S Shetty, Sindhu S Poojary, Shreesh S Naik, Ananya Hebbar, Rhea Wilson Fernandes, Puneeth, Sinchana U A, ShabareeshShetty, Vishwas M, Anoohya S Samani, Shriraksha Amin, and Shantaram S Divgi.
- As part of **AINNOVATION 2025**, students of Semester V, successfully completed the Microsoft Azure Learning Challenge, organized by Microsoft, in August/September 2025. The students who successfully completed the certification are: Ankitha Shanbhag, Aathmika S Shetty, Ananya U, Rakshitha S, Rhea Wilson Fernandes, Prathap M Naik, Shipali B Shetty, Shreya K, Vaishnavi Baliga B, Srajana, Sanjana G, Shreya S Shetty, Sujan Kumar Shetty, Shreesh S Naik, Samruddhi Pai, A. Deekshitha Kumari, Puneeth, Ananya Hebbar, Shamanth, Sinchana U A, Sindhu S Poojary, Vishwas M, Anoohya S Samani, Shabareesha Shetty, Shriraksha Amin, Shantaram S Divgi, and Shushant Singh.
- As part of AINNOVATION 2025, Tushar V- Semester student has successfully completed the **"Agnirva Product Management Internship Program – Fast Track"** in September 2025.
- As part of AINNOVATION 2025, Shreesh S NaiK, V- Semester student has successfully completed the **"GitHub Responsible AI"** , organized by Microsoft, in September 2025.,
- "As part of AINNOVATION 2025, Previth Shannon Dias, V- Semester student has successfully completed the **"Oracle Cloud Infrastructure 2025"** , organized by Oracle University, in September 2025.
- Shreya K and Shipali B Shetty V- Semester student have successfully completed the 3 days bootcamp on **"React Bootcamp"**, organized by Lets Upgrade, from 04.09.2025 to 06.09.2025.
- Students of Semester V successfully completed the **"Programming in Java"** certificate course offered by NPTEL during its 12-week duration from August to October 2025. The **participants**—Sanjana G, Srajana, Sinchana K, Prarthana, Rakshitha S, Shreya K, Varsha M, Pratheeksha J, Shipali B Shetty, Ananya Hebbar, Abhinandan H L, Keerthana, Ananya U, Ankitha Shanbhag, Aathmika S Shetty, Kavana Vaidya, Abdul Rehman Imtiyaz Sayed, Likhitha, Megha, Madhushree, Dhanyashree C, Dhruthi, and Harshitha N Kharvi

STUDENT ACHIEVEMENTS

PATENT

SPORTS

- Mr. Shrajan D Kharvi (USN: 4CB24AI099), a student of III Semester, represented the institution in Table Tennis at the Inter-Collegiate Division Level Tournament 2025–26, held on 15th and 16th September 2025 at SIT, Mangalore, under the aegis of Visvesvaraya Technological University (VTU). Demonstrating commendable skill, discipline, and sportsmanship, he secured the Runner-Up position in the tournament and was awarded a Merit Certificate,



WORKSHOP/PAPER PRESENTATION/SEMINAR CONDUCTED

PromptCraft – Mix, Match and Fuse Ideas (10-12-2025)

The Department of Artificial Intelligence and Machine Learning, in association with the AI Club, organized an engaging activity titled "PromptCraft – Mix, Match and Fuse Ideas" for second-year students. The session was conducted by Ms. Gauthami Karkera, who introduced creative prompt engineering techniques and demonstrated how AI can generate and enhance images by combining ideas. Students explored the Nano Banana tool to complete visuals and improve book layouts. Coordinated by Mr. Arjun K., Assistant Professor, AIML, the hands-on session highlighted practical applications of Generative AI. The interactive event saw active participation from 25 students, boosting confidence in creative AI tools.

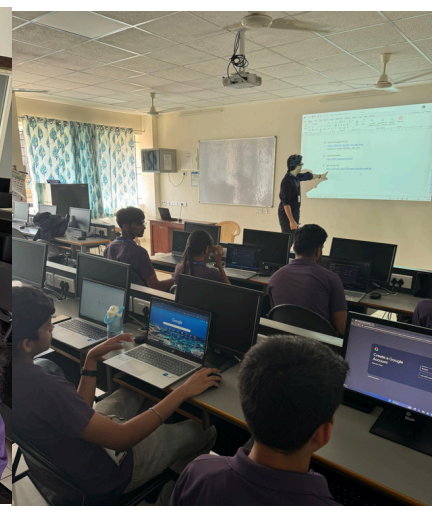

Sclerathon 2.0 :Showcasing Ignited Ideas (05-12-2025)


SCLERATHON 2.0 significantly enhanced students' confidence, teamwork, and motivation to pursue research-oriented projects and entrepreneurial ventures. The consistent support and mentorship from ScleraVDMS Private Limited played a crucial role in shaping students into future-ready professionals. More than a competition, SCLERATHON served as a dynamic platform for learning, collaboration, and innovation. By encouraging creativity, skill development, and practical problem-solving, the event enriched the overall educational experience and made a positive impact on the academic community at Canara Engineering College.

Aidea: Turning Ideas into AI-Powered Projects (03-12-2025)

The Department of Artificial Intelligence and Machine Learning, in collaboration with the AI Club, hosted a hands-on session titled "Aidea: Turning Ideas into AI-Powered Projects," coordinated by Mr. Arjun K., Assistant Professor. The session guided students through refining ideas, evaluating feasibility, and planning AI-driven solutions. Mr. Himamshu S. demonstrated the development of an AI-based Study Management System with features like flashcard learning, personalized feedback, module planning, and Firebase integration. The event focused on practical AI prototyping, encouraging creativity and innovation among second-year students. It successfully showcased how accessible AI development can be through modern tools and methods.

Mind vs Model: Turing Test (26-11-2025)

The Department of Artificial Intelligence and Machine Learning, in collaboration with the AI Club, hosted a session titled "Mind vs Model: Turing Test," led by Mr. Rishabh Kumar M., a 2nd-year AIML student, under the guidance of Mr. Arjun K., Assistant Professor. The session explored the Turing Test, demonstrating how AI evaluates machine intelligence through human-like responses. Students discussed chatbot examples, AI's attempts to mimic human thought, and the Turing Test's relevance and limitations in modern AI. The event offered a clear, practical understanding of this foundational AI concept, with 12 students participating.

Two day workshop on IoT for Beginners (21-11-2025)

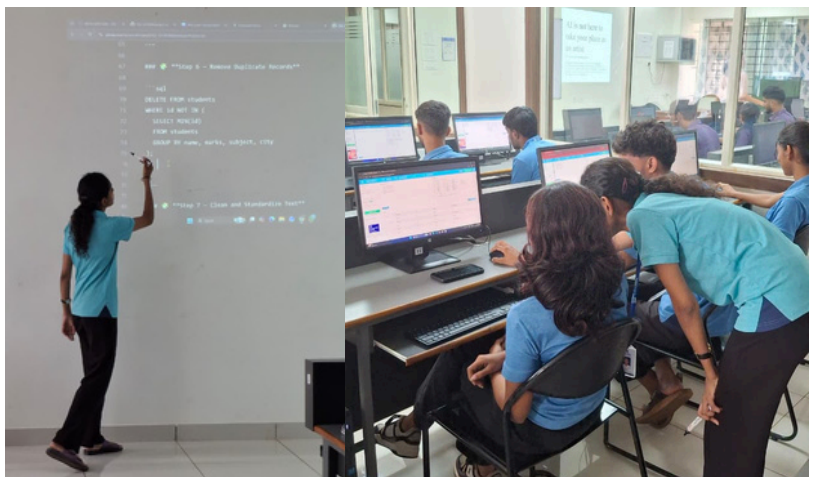
The department organized a two-day hands-on workshop on "IoT for Beginners" on 21–22 November 2025 to enhance students' practical skills and innovation in IoT. The event was inaugurated by Dr. Nagesh H R, with Dr. Basappa B Kodada, Mr. Arjun K, faculty, staff, and students present. Dr. Ganesh V Bhat and Mr. Sreerama Samartha served as resource persons. Sessions covered IoT basics, ESP32, I/O operations, sensors, actuators, Wi-Fi connectivity, cloud integration, and a mini project. Interactive demonstrations and hands-on activities gave students valuable practical experience.

WORKSHOP/PAPER PRESENTATION/SEMINAR CONDUCTED

Image Recognition Using CNN (19-11-2025)

The Department of Artificial Intelligence and Machine Learning, in association with the AI Club, organized a hands-on session on "Image Recognition Using CNN". The session was delivered by Mr. Prateek Prakash Kini, a 3rd-year AIML student, under the guidance of Mr. Arjun K., Assistant Professor, AIML Department. The session introduced students to the basics of how CNNs analyze and classify images by extracting features at multiple levels. Participants gained insights into convolution operations, kernels, activation functions, pooling mechanisms, and the role of fully connected layers in classification. The importance of transfer learning using pre-trained models was also highlighted. The session helped students understand both theoretical and practical aspects of building image recognition models. The event was coordinated by Mr. Arjun K.

A Hands-on Session on Data Collection and CleanUp (12-11-2025)



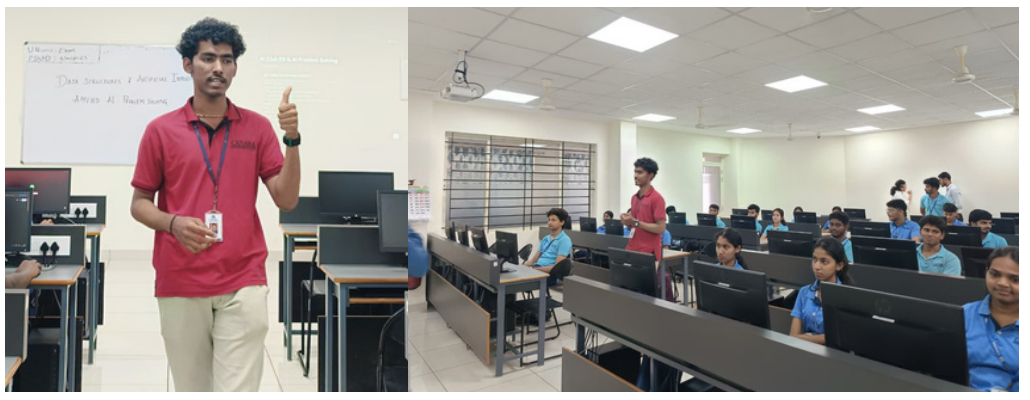
The Department of Artificial Intelligence and Machine Learning, in association with the AI Club, organized a hands-on session titled "Data Collection and CleanUp" on 12-11-2025 at AIL-02. Conducted by Ms. Apoorva, under the guidance of Mr. Arjun K., the session introduced students to the complete workflow of building a dataset—from creation to cleaning and preparation. Key SQL operations such as CREATE, INSERT, SELECT, UPDATE, DELETE, along with JOINS, subqueries, and aggregation functions, were demonstrated. Participants gained practical exposure to data preprocessing techniques and learned the importance of clean data for accurate analysis and effective machine learning models.

Prompt, Create and Innovate: AI Tools with Digital Art (12-11-2025)

The Department of Artificial Intelligence and Machine Learning, in association with the AI Club, organized an interactive session, "Prompt, Create and Innovate: AI Tools with Digital Art," on 12-11-2025. Conducted by Ms. Bhoomika Upadhyaya and Ms. K. Thejaswi Nayak, 3rd-year ISE students, the session introduced participants to AI-based creative tools and demonstrated effective prompting for generating high-quality digital content. Students engaged in hands-on activities, exploring the role of descriptive prompts in image creation. The session provided insights into prompt engineering, creativity, and AI's role in digital design, coordinated by Mr. Arjun K., Assistant Professor, AIML.

Data Structures and Artificial Intelligence: Applied AI Problem Solving – Series 2 (05-11-2025)

The Department of Artificial Intelligence and Machine Learning, in collaboration with the AI Club, organized a hands-on activity titled "Data Structures and Artificial Intelligence: Applied AI Problem Solving – Series 2" on 05-11-2025 at AIL-01. Coordinated by Mr. Arjun K. and conducted by Mr. Prateek Prakash Kini, a 3rd-year AIML student, the session covered Natural Language Processing (NLP), GitHub, and the use of hashmaps in NLP. Participants learned how NLP processes human language, explored GitHub for collaborative version control, and understood how hashmaps support tasks like word frequency analysis. The session strengthened students' AI problem-solving skills and programming fundamentals.



WORKSHOP/PAPER PRESENTATION/SEMINAR CONDUCTED

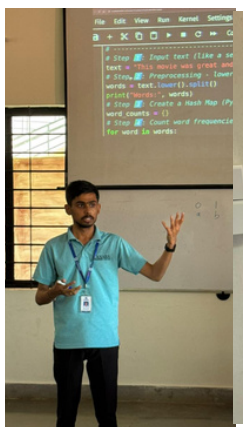
Building No Code Agent Development – Series 2 (05-11-2025)

The Department of Artificial Intelligence and Machine Learning, in collaboration with the AI Club, organized a hands-on session titled "Building No Code Agent Development – Series 2" on 05-11-2025 at AIL-01. Coordinated by Mr. Arjun K. and conducted by Mr. Sujan Kumar Shetty, a 3rd-year AIML student, the session introduced students to no-code AI agent development and automated workflow design. Participants built an AI agent that detected new resume PDFs in Google Drive, extracted details such as Name, Email, and Skills using an AI model, and recorded the information in a Google Sheet. The session enhanced creativity and practical understanding of AI-based automation.

Building No Code Agent Development – Series 1 (29-10-2025)

The Department of Artificial Intelligence and Machine Learning, in association with the AI Club of Canara Engineering College, organized a hands-on session titled "Building No Code Agent Development – Series 1" for 2nd-year students and interested participants. Led by Mr. Prateek Prakash Kini and coordinated by Mr. Arjun K., the session introduced intelligent application development using modern no-code platforms. Participants explored rule-based automation versus AI-driven agent behavior and used tools like Firebase Agent and Relay.app to build web apps and multi-step agents. Students created projects such as a LinkedIn Summarizer and Smart Feedback Classifier, gaining insights into goal-based reasoning, contextual AI, and effective human-AI collaboration.

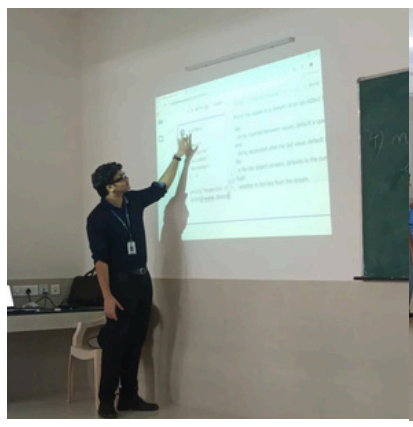
Data Structures and Artificial Intelligence Applied AI Problem Solving - Series 1 (29-10-2025)



The Department of Artificial Intelligence and Machine Learning, in association with the AI Club of Canara Engineering College, conducted a hands-on activity titled "Data Structures and Artificial Intelligence Applied AI Problem Solving – Series 1." Led by Mr. Krishna H. Pallan under the guidance of Mr. Arjun K. in the AIL-01 Lab, the session focused on applying data structures to solve mini-AI problems and real-world scenarios. Participants collaboratively designed data-efficient solutions, including pathfinding simulations and simple expert systems. Emphasizing algorithmic thinking and efficiency, the event helped 32 students strengthen their ability to choose and apply appropriate data structures for AI-driven problem-solving.

Foundations of AI & ML with Google Colab (15-10-2025)

The Department of Artificial Intelligence and Machine Learning, in collaboration with the AI Club of Canara Engineering College, conducted a hands-on session on "Foundations of AI & ML with Google Colab." Led by Mr. Rishabh Kumar M under the guidance of Mr. Arjun K., the session introduced students to core concepts of AI, Machine Learning, and Large Language Models (LLMs) such as GPT. Through demonstrations and guided coding on Google Colab, participants learned how AI models process data, generate text, and learn from examples. Students also built mini AI models using GPT-2, gaining practical experience in fine-tuning. The session saw active participation from 37 students



WORKSHOP/PAPER PRESENTATION/SEMINAR CONDUCTED

Ayudha Pooja (30-09-2025)

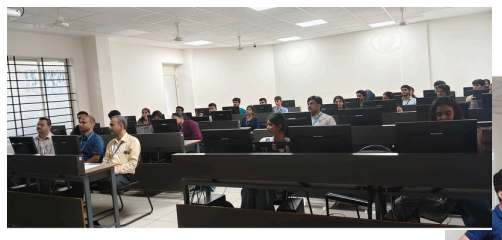
The Ayudha Pooja celebration at the Microprocessor Laboratory in the Department was observed with great reverence and enthusiasm. The lab was beautifully decorated with flowers, lamps, and intricate floor art, creating a festive and sacred atmosphere. A priest was invited to lead the rituals dedicated to Goddess Saraswati, seeking her blessings and knowledge. During the ceremony, faculty members, technical staff, and students gathered to offer prayers to the lab instruments and books—honoring their vital role in education and technological progress, while also promoting traditional values. After the rituals, prasadam was distributed to all attendees, symbolizing divine blessings and prosperity.

Discipline and Time management (17-09-2025)

A talk on “Discipline and Time Management” was organized by the Department on 17th September 2025, in association with the Department of Student Welfare, CEC Benjanapdav, exclusively for 3rd-year B section students. The speaker highlighted the importance of self-control, task prioritization, and effective time use, offering practical strategies such as creating timetables, setting realistic goals, avoiding procrastination, and balancing academics with extracurricular and personal activities. Students were guided on maintaining focus, building positive habits, and using resources efficiently. Interactive discussions and real-life examples helped participants identify improvement areas and implement simple, effective techniques.

Sclerathon 1.0: Showcasing Ignited Ideas (16-09-2025)

The Sclerathon: Showcasing Ignited Ideas is an engaging event organized by the Department in association with the Innovation and Incubation Cell (IIC). This Ideathon aims to foster innovation and creativity among third-year students from various branches who are working on selected Sclera problem statements for their mini projects. • Type of Event: Ideathon • Date: September 16, 2025 • Time: 2:00 PM - 4:00 PM • Venue: AIL-01 (Machine Learning Lab) • Target Audience: Third-year students from all branches- who are all selected problem statement from sclera for mini project.



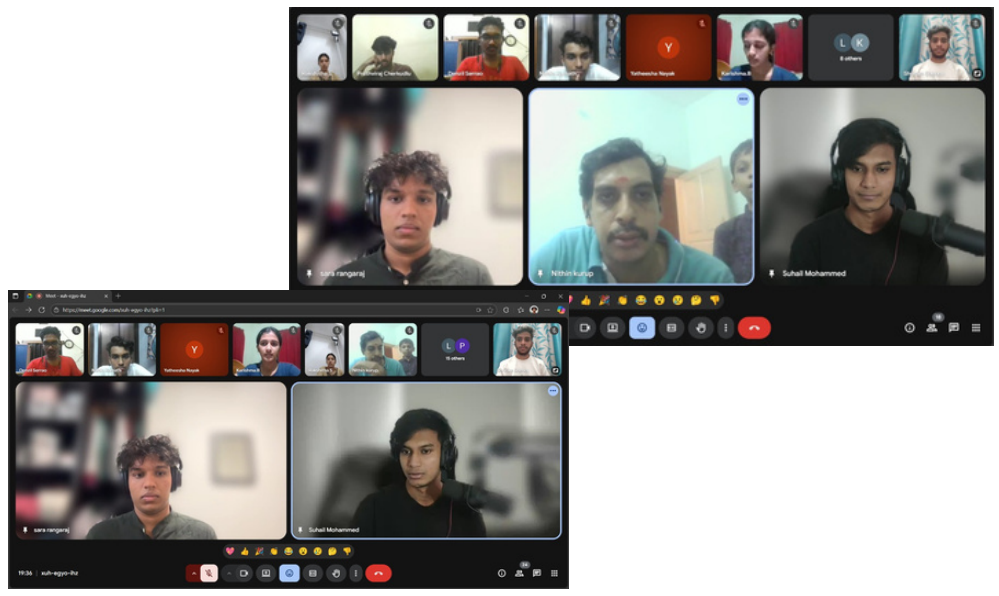
Kickstart with Figma : Explore the Interface (03-09-2025)

The Department of Artificial Intelligence and Machine Learning, in collaboration with the Design Club of Canara Engineering College, organized a hands-on activity on “Kickstart with Figma: Explore the Interface,” conducted by Ms. Gauthami under the guidance of Mr. Arjun K. The session introduced students to core principles of UI/UX design, emphasizing functional, intuitive, and visually appealing applications. Through interactive discussions, examples, and guided exercises, participants learned to evaluate interface usability and consider how design decisions affect user behavior and satisfaction. By the end, 38 students gained a strong foundation in creating effective and engaging digital products.

WORKSHOP/PAPER PRESENTATION/SEMINAR CONDUCTED

Expert talk on Resume Building (25-08-2025)

The Department of Artificial Intelligence and Machine Learning, in association with the Gavel Club, organized an Expert Talk on Resume Building for final-year AIML students. The session, coordinated by Mr. Nithin Kurup U G, extended to nearly two hours due to enthusiastic student participation. Resource persons shared insights on structuring professional resumes, highlighting technical skills, academic projects, and achievements. Students actively engaged with questions that were addressed through practical examples. The interactive session proved highly informative and impactful, leaving participants motivated and confident to prepare strong resumes and enhance their career opportunities.



Process of Innovation Development & Technology Readiness Level (TRL) & Commercialisation of Lab Technologies & Tech-Transfer (23-08-2025)

An expert talk on "Process of Innovation Development & Technology Readiness Level (TRL) & Commercialisation of Lab Technologies & Tech-Transfer" was organized by the Department of Artificial Intelligence and Machine Learning in association with Institution's Innovation Council (IIC) for the 5th semester A Section AIML students. The session started at 2:00 PM in LH-206 and the resource person was Prof. Venkatesh N., Professor and Dean – Accreditation and Extension Activities.

"Agentic AI is not about replacing human agency, but amplifying it—turning intention into intelligent action."