

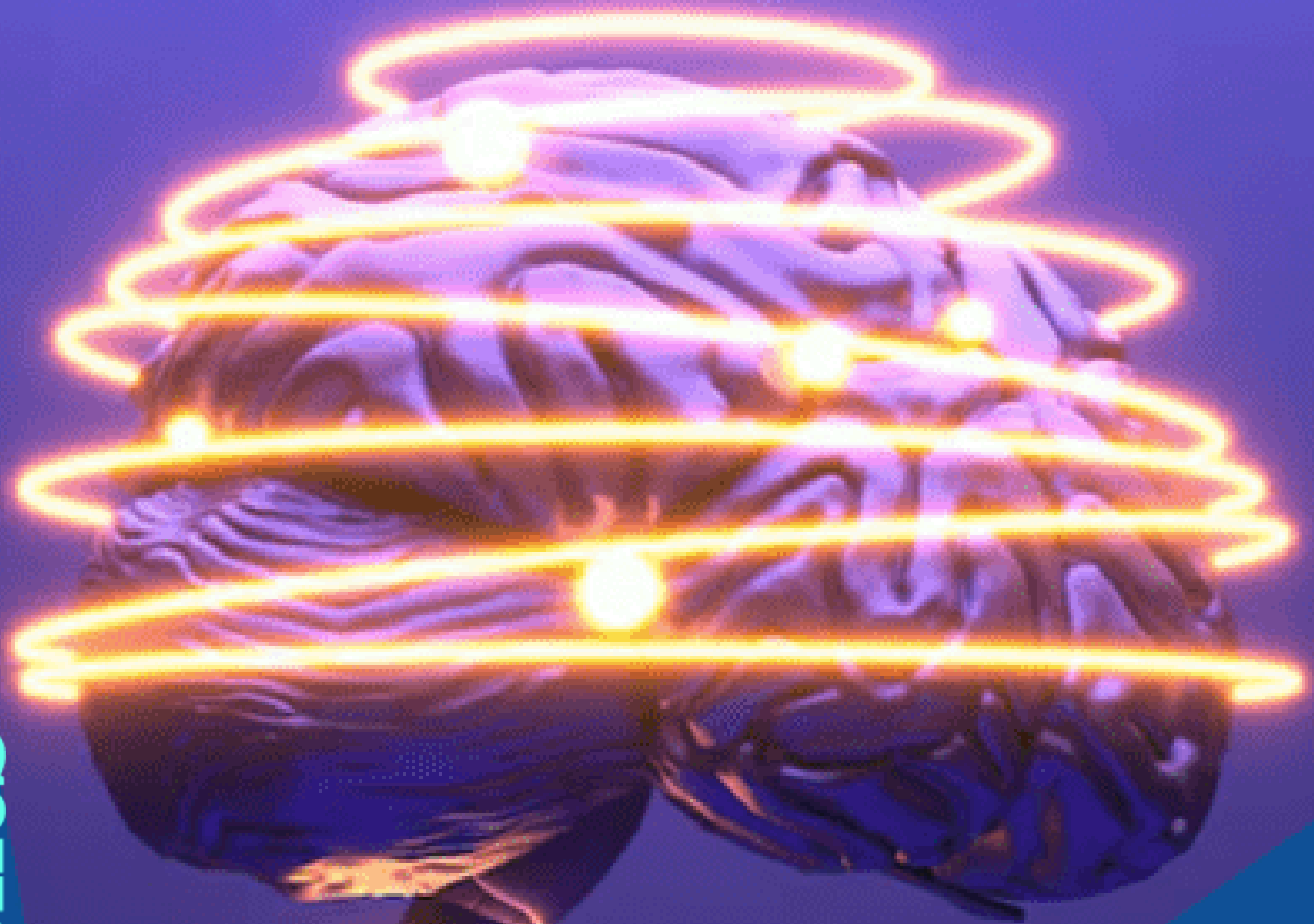


DARIPANA

NEWS LETTER FROM CANARA ENGINEERING COLLEGE

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

**Student
Achievements**



**Mathematics for Machine
Learning**

IDEATHON

MERN Stack Series

NPTEL/Coursera

**Workshop on Advanced
Machine Learning**

STAFF ACHIEVEMENTS

EDITORIAL BOARD



Dr. Basappa B. Kodada
Associate Professor & HOD



Mr. Nagaraj Gadagin
Assistant Professor



Mrs. Sowmya D.
Lab Instructor

STUDENT MEMBERS



Ms. Thanvi
4CB21AI054



Mr. Vikesh
4CB21AI060



Mr. Ajay P. Mahale
4CB22AI004



Ms. Disha Suraj Kallya
4CB22AI017

VISION

To be identified as learning centre in the domain of Artificial Intelligent 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 Intelligent 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 set-up industry-institute interface for overall development of students through practical internship and team work activities.
- To promote innovation and start-up culture among staff and students for addressing the challenges of needy.



DEPARTMENT PROFILE

The department was started in the year 2021 to offer under graduate degree programme i.e., Bachelor of Engineering (BE) in Artificial Intelligence and Machine Learning (AI&ML). AI&ML is a new and upcoming program in the area of computer science that is rapidly expanding its boundaries to variety of fields like healthcare, security, entertainment, education, autonomous transportation, intelligent robots, space exploration, speech processing, stock trading and many more. We have seen a lot of change in our lives because to artificial intelligence and its applications. AI aims to artificially imitate human intelligence in order to instil intelligence into robots. An application of AI called machine learning (ML) aims to give machines the ability to learn on their own. Numerous career opportunities have been produced as a result of AI and ML, which are significant drivers of the digital transformation. There is a huge demand for skilled engineers trained in these technologies.

A degree from this programme is valuable and helps students get employment in their fields. This course assists in developing fundamental knowledge and skills in the areas of mathematics, network architectures, computer vision, programming, communication networks, and machine learning courses which enrich the student skills and knowledge for developing smart and intelligent application which delivers the needs of society and nation. The department organizes training programmes for the staffs and students which helps themselves in technological advancements and present research findings. To increase the opportunity of placements to students and overall personality development, the department conducts and motivates them in soft skills training programmes, technical skill development activities, and initiatives on self-learning like certification courses through recognized online platforms and extracurricular activities under the umbrella of various associations.



PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

- Design and develop learning-based intelligent systems in the field of artificial intelligent, machine learning, and allied engineering sectors.
- Apply skills and knowledge of computer science to address relevant industry and societal problems or pursue higher education and research.
- Graduates will design and deploy software that meets the needs of individuals and the industries.
- Engage in lifelong learning, career advancement and adoption of changing professional and societal needs.

PROGRAMME OUTCOMES (PO)

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

- **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
- **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.
- **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.
- **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.
- **Modern tool usage:** Select/Create and apply appropriate techniques, resources and modern engineering and IT tools, including prediction and modelling to complex engineering activities, taking comprehensive cognizance of their limitations.
- **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.
- **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.
- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the relevant scientific and/or engineering practices.
- **Individual and team work:** Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings.
- **Communication:** Communicate effectively on complex engineering activities with the engineering community and with the 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.
- **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.
- **Life-long learning:** Recognize the need for and above have the preparation and ability to engage in independent and life-long learning in the broadcast context of technological changes.

PROGRAMME SPECIFIC OUTCOMES (PSO)

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



AIML FAMILY



Dr. Basappa B. Kodada
Assoc. Prof. & HOD



Dr. Sujatha M.
Associate Professor



Mrs. Kanmani
Assistant Professor



Mr. Siju V. Soman
Assistant Professor



Mr. Deepak D.
Assistant Professor



Mr. Nagaraj Gadagin
Assistant Professor



Mr. Nithin Kurup U.G.
Assistant Professor



Mrs. Supriya A. V.
Assistant Professor



Mr. Divyesh Divakar
Assistant Professor



Mr. Kiran Ankalakoti
Assistant Professor



Mr. Praveen T. Damble
Foreman



Mrs. Sowmya D.
Lab Instructor



Mr. Jayaprakash
Lab Instructor



Mrs. Geetha
Lab Instructor



Ms. Navyashree
Programmer



Ms. Swathi
Programmer

AIML	Male	Female	Total
Faculty	07	03	10
Staff	02	04	06
Student (II Year)	42	21	63
Student (III Year)	27	36	63

STAFF ACHIEVEMENTS

ACHIEVEMENTS / AWARDS / RECOGNITIONS



Dr. Basappa B. Kodada
Associate Professor & HOD

- Honored with the '**Mentorship Excellence Award**' by CHSA in Mangaluru on June 3, 2024.

- Honored with the '**Mentorship Excellence Award**' by CHSA in Mangaluru on June 3, 2024.
- Successfully completed the ASSESSMENT of 5-days National Level Faculty Development Programme on "**FULLSTACK DEVELOPMENT WITH DJANGO**" held at Department of AIML, JNN College of Engineering from 8th April, 2024 to 12th April, 2024 and secured **THIRD PLACE**.



Mr. Nagaraj Gadagin
Assistant Professor



Mr. Divyesh Divakar
Assistant Professor

- Honored with the '**Mentorship Excellence Award**' by CHSA in Mangaluru on June 3, 2024.

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



Dr. Basappa B. Kodada

- **Dr. Basappa B. Kodada** has attended "**Industry - Academia Conclave 2024**", held at NMAM Institute of Technology, Nitte during 2nd to 3rd February 2024.

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

- Participated in the One Day Faculty Development Program On "**Empower ED: One day FDP on Personal and Professional Growth**", held on 27/02/2024 organized by IQAC in association with Training, Career Guidance and Placement Cell, Canara Engineering College.
- Attended One Day Faculty Development Program On "**IEEE Remote Access and New Features**", held on Feb. 20, 2024 organized by the Library and Information Centre and NDLI Club of Canara Engineering College.
- Attended One Day Faculty Development Program On "**Roadmap to Research Process & Role of AI in Research**" held on Feb. 20, 2024 organized by the Research & Consultancy Cell, of Canara Engineering College.
- Participated in the 5 Days Faculty Development Program On "**Exploring Neural Networks and Advanced NLP Techniques**", from 15th - 19th April 2024, organized by Nagarjuna College of Engineering and Management, Bengaluru.(Online).



Mrs. Kanmani

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



Mr. Siju V. Soman

- Participated in the One Day Faculty Development Program On "**Empower ED: One day FDP on Personal and Professional Growth**", held on 27/02/2024 organized by IQAC in association with Training, Career Guidance and Placement Cell, Canara Engineering College.
- Attended One Day Faculty Development Program On "**IEEE Remote Access and New Features**", held on Feb. 20, 2024 organized by the Library and Information Centre and NDLI Club of Canara Engineering College.
- Attended One Day Faculty Development Program On "**Roadmap to Research Process & Role of AI in Research**" held on Feb. 20, 2024 organized by the Research & Consultancy Cell, of Canara Engineering College.

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

- Presented an article titled "**Reflecting on Technology: A Review of the Smart Mirror Advancements and Applications**", in International Conference on Computational Sciences and Sustainable Technologies., on 03 February 2024 Organized by CHRIST University, Bengaluru, India. Conference proceedings published in Communications in Computer and Information Science Book Series, Volume 1973, Published by Springer, Cham, Germany. https://doi.org/10.1007/978-3-031-50993-3_35.



Mr. Divyesh Divakar

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



Mr. Deepak D.

- Presented a paper titled "**Advancements in Automated Livestock Monitoring: A Concise Review of Deep Learning-Based Cattle Activity Recognition**", in IEEE 2024 10th International Conference on Advanced Computing and Communication Systems (ICACCS) , on 14th & 15th March 2024, held at Sri Eshwar College of Engineering, Coimbatore, Tamil Nadu, India.

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

- Successfully completed 2 days "**Hands on training on e-Tools for Research (Online)**", from 12th -13th March 2024, organized by Department Of Mechanical Engineering & Centre For Research And Development(CFRD), K S R Institute For Engineering And Technology, Tamilnadu.
- Participated in the one-week National Level Faculty Development Programme on "**FULL STACK DEVELOPMENT WITH DJANGO**", Organized by Dept. of Artificial Intelligence and Machine Learning, JNN College of Engineering, Shivamogga in Association with ISTE Held from 8th to 12th April, 2024 (Online).
- Participated in 5-Days Faculty Development Program On "**MERN**" Organized by Department of Computer Science & Engineering (Artificial Intelligence and Machine Learning), Dr. T. Thimmaiah Institute of Technology, KGF From 23rd to 27th of April 2024. (Online).
- Published International design patent on "**Big Data Analytics Processing Server Equipment for Financial Transactions**", UK on Aprl 2, 2024.



Mr. Nagaraj Gadagin

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



Mr. Nithin Kurup U.G.

- Attended One Day Faculty Development Program On "**IEEE Remote Access and New Features**", held on Feb. 20, 2024 organized by the Library and Information Centre and NDLI Club of Canara Engineering College.
- Participated in 5 Days Faculty Development Program on "**Exploring Neural Networks and Advanced NLP Techniques**", from 15th -19th April 2024, organized by Nagarjuna College of Engineering and Management, Bengaluru. (Online).

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

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- Participated in 5-Days Faculty Development Program On "**MERN**" Organized by Department of Computer Science & Engineering (Artificial Intelligence and Machine Learning), Dr. T. Thimmaiah Institute of Technology, KGF From 23rd to 27th of April 2024. (Online).



Mrs. Supriya A.V.

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



Mr. Kiran Ankalakoti

Attended one week Faculty Development Program on "**Computer Graphics and Image Processing**", from 22nd -27th April 2024, organized by Department of Computer Science and Engineering, SJB Institute of Technology Bengaluru. (Online).

NPTEL

ONLINE COURSES



Mrs. Kanmani

- Successfully completed 4 weeks course "**Python for Data Science**" under NPTEL-AICTE faculty development program during Jan-Feb 2024.

- Completed courses on "**Introduction to Prompt Engineering for Generative AI**" and "**Prompt Engineering: How to Talk to the AIs**" from LinkedIn Learning.



Mr. Divyesh Divakar



Mrs. Supriya A. V.

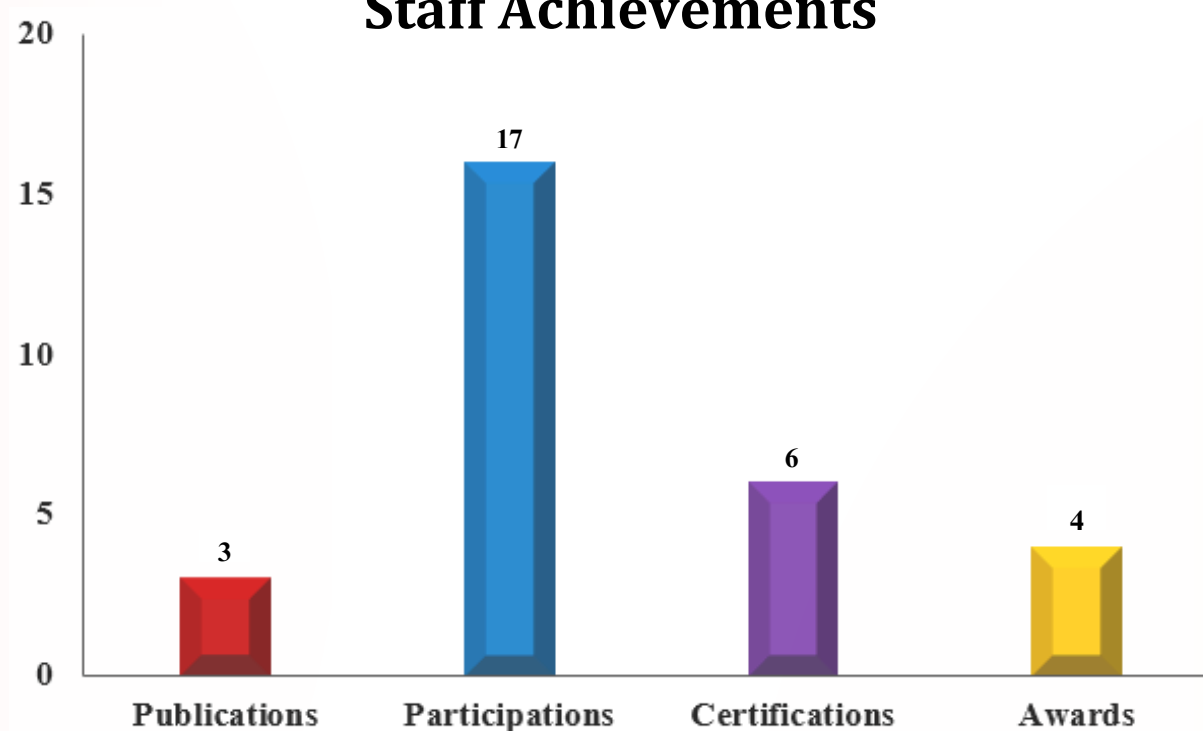
- Successfully completed 4 weeks course "**Python for Data Science**" under NPTEL-AICTE faculty development program during Jan-Feb 2024.

- Successfully completed 8 weeks course "**Soft Skill Development**" under NPTEL-AICTE faculty development program during Jan-Mar 2024.
- Successfully completed 1.5 hours course "**Artificial Intelligence Fundamentals**" under Great Learning.



Mrs. Sowmya D.

Staff Achievements



STUDENT ACHIEVEMENTS

ACADEMIC ACHIEVERS

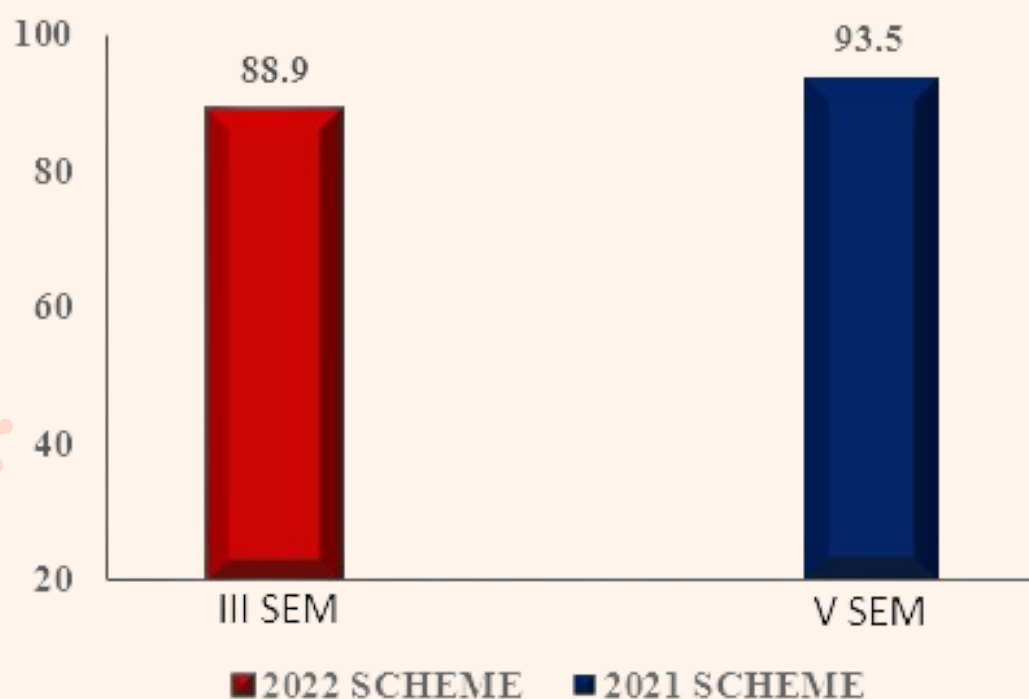
V SEMESTER TOPPERS

 SGPA 9.28 Ashay Shetty 4CB21AI006	 SGPA 8.89 Sarathak Pramod Pai 4CB21AI036	 SGPA 8.83 Pallavi 4CB21AI025
 SGPA 8.78 Sanchitha 4CB21AI035	 SGPA 8.72 Deeksha Divakar 4CB21AI010	

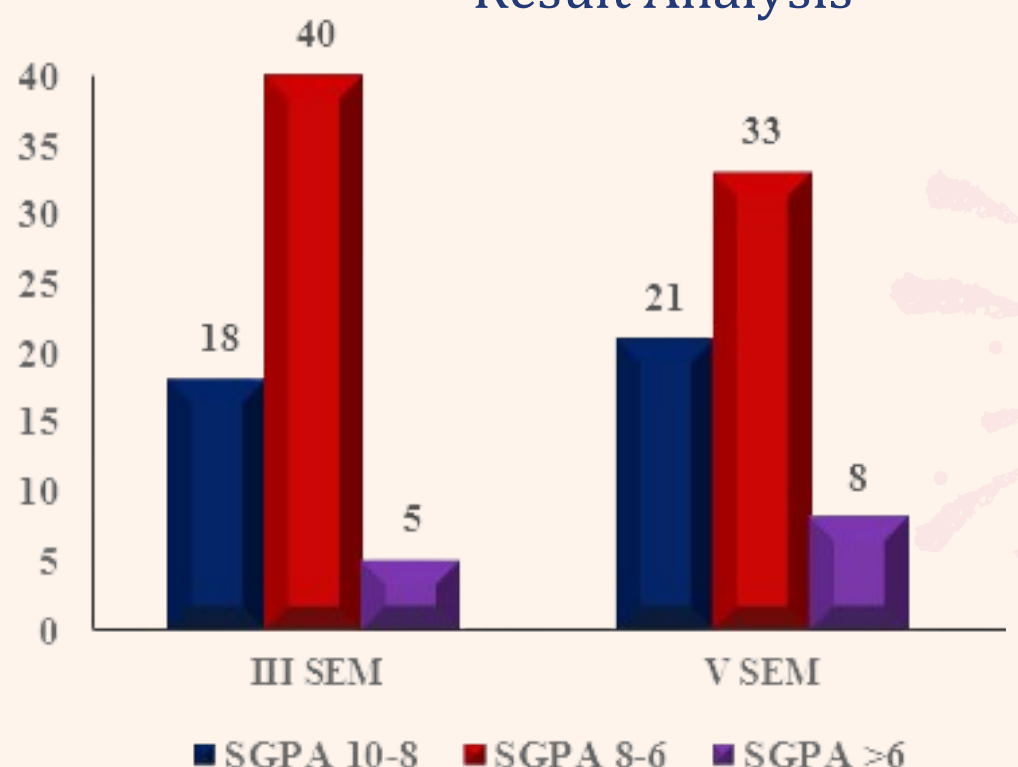
III SEMESTER TOPPERS

 SGPA 9.38 Nithin Kamath 4CB22AI039	 SGPA 8.86 Shreelakshmi Ramesh Hegde 4CB22AI052	 SGPA 8.81 Akshatha Krishna Hegde 4CB22AaI007
 SGPA 8.76 Sharan 4CB22AI051	 SGPA 8.62 Chinmay Jagadish Shanbhag 4CB22AI014	 SGPA 8.62 Sarathak 4CB22AI048

Pass Percentage



Result Analysis



STUDENT ACHIEVEMENTS

TECHNICAL EVENTS

- **Akhila Prabhu, Kartik Baliga, Yatheesha K. V. and Denzil Serraro** have Attended the “**EDU-VITALITY**” organized by IEEE-ComSoc, RVCE in collaboration with IEEE ComSoc Bengaluru Chapter, Intel Technology India on June 7th – 8th 2024., at R. V. College of Engineering.
- **Anshu Shetty** has secured 1st prize in “**IDEATHON**” organized by the Department of AIML, Learning in association with the Departments of computer Science and Business Systems, Computer Science and Design and Institution’s Innovation Council on 24th January 2024 at Canara Engineering College, Benjanapadavu, Bantwal
- **Anshu Shetty, G. K. Jaikiran and Makwin** has participated in the workshops on “**TechX: Figma**” held on 10th June 2024., organized by COMED KARES.
- **Madhushree** has participated in the “**FUSIONTECHATHON 2.0**” -An Intercollegiate “**PROJECT EXHIBITION**” hosted by the Department of AIML at Alva’s Institute of Engineering and Technology on February 16th, 2024.
- **Srisha** has successfully completed 4-weeks online “**Internship cum Training Program on AI**”, “**Machine Learning, Deep Learning**”, “**Computer Vision**”, “**NLP and Chat GPT with Python**” from 3rd April-7th May 2024. Organized by EduxLabs (Esoir Business Solution LLP) in Association with Mechanica IIT Madras.
- **Anshu Shetty** has completed course on “**Figma for UX Design**” on June 22, 2024, offered by LinkedIn Learning.
- **Srisha Mayya** has participated in “**Caterpillar Autonomy Challenge**” conducted by IIT Madras as a part of Shaastra on 06-01-2024.
- **Srisha Mayya** has participated in “**Micro Mouse Maze**” conducted by IIT Madras as a part of Shaastra on 07-01-2024.
- **S. Lokesh** has participated in “**INFOTHON 2.0**,” a 24-hours National Level hackathon organized by department of information science & Engineering, Vidyavardhaka College of Engineering on 20-21st Jan2024
- **Thanvi, Rahul Bhat and Rakshan**, secured **1st prize** in **IDEATHON** organized by the Department of AIML in association with the Departments of Computer Science and Business Systems, Computer Science and Design and Institution’s Innovation Council on 24th January 2024 at Canara Engineering College, Benjanapadavu, Bantwal.
- **Pallavi, Shrisha, Ranjith Kumar and K. Sumanth**, secured **3rd prize** in “**IDEATHON**” organized by the Department of AIML in association with the Departments of Computer Science and Business Systems, Computer Science and Design and Institution’s Innovation Council on 24th January 2024 at Canara Engineering College, Benjanapadavu, Bantwal.
- **Madhushree, Srijal Anchan & Chaithanya Laxmi** have participated in the “**DevHost 2024 Hackathon**”, held on June 14-16, 2024.,organized by SOSOC, Mangaluru.
- **Anoop Sadananda Prabhu K, Ashay Shetty, Kini Mehul Muralidhar, pranam P, Lithin Ullal** have successfully participated in One Week SERB Sponsored High -End Workshop(Karyashala) on “**Application of Artificial Intelligence in Smart Energy Generation and Storage Device**” during 19-25 June 2024, Organized by Department of Electronics and Communication Engineering, National Institute of Technology Karnataka, Surathkal, mangaluru.

SPORTS AND CULTURAL

- **K Sumanth and Ranjith Kumar** has participated in the “**Champion Force(RC racing)**” event of ShreeDevi Sambhram ‘24 held on 4th/5th January, 2024 at Shree Devi Institute of Technology, Kenjar, Mangaluru.
- **Sumanth K and Pallavi s** has secured **1st place** in **Dirt Race** held during Aakriti -2024, an Inter-Collegiate Techno- Culture Fest organized by Canara Engineering College, Sudhindra Nagara, Benjanapadavu from May 9th to May 11th 2024.
- **Karishma B and Lokesh** has secured **3rd place** in “**4*100 MIXEO**” on account of College Day Sports and Games held at Canara Engineering College on May 3, 2024.
- **Karishma B** has participated in the “**Dumb Shall Act**” event at Ankrti 2024-Inter-Collegiate Techno Cultural Fest organized by Canara Engineering College, Sudhindra Nagara, Benjanapadavu, from May 9th to 11th, 2024.
- **Karishma B** has participated in the “**Eat O Meter**” event at Aakrti 2024-Inter-Collegiate,Sudhindra Nagara, Benjanapadavu, from May 9th to 11th, 2024.
- **Denzil Serrao** has participated in the “**Bug Hunt**” event at Aakrti 2024-Inter-College, Sudhindra Nagara, Benjanapadavu, from May 9th to 11th, 2024.

STUDENT ACHIEVEMENTS

NPTEL

- **Shashank S** has successfully completed the course “**Basic of Python**” on April 29, 2024.
- **Sharan** has successfully completed the course “**Robotics Course**” on March 26, 2024. “**IOT Edge Computing and IOT Analytics**” on March 27, 2024. “**Media Management Course**” on March 25, 2024. “**Time management**” on February 14, 2024. “**IOT & Electronics Course**” on March 25, 2024.
- **Akshata Hegde** has successfully completed the course “**Time Management**” on February 14, 2024. “**Programming Fundamentals using Python-Part 2**” on March 8, 2024 “**Programming Fundamentals using Python-Part 1**” on March 3, 2024.
- **Denzil Serrao** has successfully completed the course “**Time Management**” on February 14, 2024.

INFOSYS SPRINGBOARD

- **Denzil Serrao** has successfully completed 8 weeks course “**Machine Learning, ML**”, 12 weeks course “**Artificial Intelligence: Knowledge Representation and Reasoning**” during Jan-Apr 2024, 4 weeks course “**Python for Data Science**” during Jan-Feb 2024
- **Karishma B** has successfully completed 12 weeks course “**The Joy of Computing using Python**” during Jan-Apr 2024.

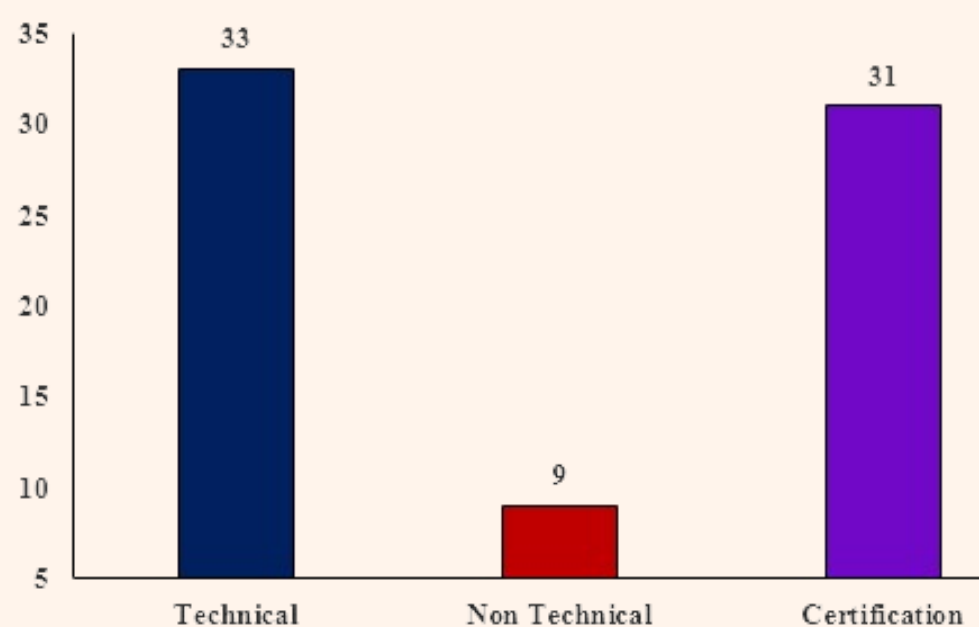
COURSERA

- **Shashank S** has Successfully completed “**Google Cybersecurity**” online certification on Jun 11, 2024.
- **Preethesh** and **Mehul Muralidhar Kini** has Successfully completed “**Supervised Machine Learning: Regression and Classification**” online certification on during 2024.
- **Eesha Pai P** has Successfully completed “**Configuration Management and the Cloud**”, “**Crash on Python**” online certifications during 2024
- **Mehul Muralidhar Kini** has Successfully completed “**Google AI essentials**” online certification on May 31, 2024.
- **Anshu Shetty** and **Sharan** has successfully completed “**Foundation of Cybersecurity**” online certification during 2024.
- **Sharan** has successfully completed “**Automate Cybersecurity Tasks with Python**” online certification on Jun 10, 2024.
- **Makwin Melron D souza** has successfully completed “**Tools of the Trade: Linux and SQL**”, “**Connect and Project: Networks and network Security**” and “**Foundation of Cybersecurity**” online certification on Mar 28, 2024.
- **Denzil Serrao** has Successfully completed “**Cyber Cybersecurity**” online certification on Jun 28, 2024.
- **Akshatha Krishna Hegde** has Successfully completed “**Foundation of Digital Marketing and E-commerce**”, “**Foundation of Cybersecurity**”, “**Crash on Python**” and “**Play It Safe: Manage Security Risks**” online certification on during 2024.

OTHER

- All Students of VI semester have successfully completed “**CSS Test**” Organized at Canara Engineering College by Savitha Acharya with course material provided by Spoken Tutorial Project, IIT Bombay held on Jan 25, 2024.
- All Students of VI semester have successfully completed “**Advanced machine Learning**” Organized by Department of AIML, at Canara Engineering College, held on Feb 1, 2024.
- **Anshu Shetty** has successfully cleared the assessment for the skill “**CSS (Basic)**, HackerRank on Jun 7, 2024.
- **Akshatha Krishna Hegde** has Successfully completed “**Java with DSA and System design**” on Physics wallah on Jan 25, 2024.

Student Achievements



WORKSHOP/PAPER PRESENTATION/SEMINAR CONDUCTED

IDEATHON-(24-01-2024)

An idea presentation competition was organized by AIML Department in association with Department of CSD, Department of CSBS and Institution Innovation Council IIC, CEC Chapter on 24th January 2024 on the theme “**Sustainable Development**”. The competition was organized exclusively for all the 3rd year students of the institute as an outcome of their recently completed societal based internship. The competition started with Poster presentation as Round-1 in Skill Lab and thereafter the shortlisted teams pitched their ideas with PPT in the final Round-2 in Basic Computing Lab, Canara Engineering College, Benjanapadavu, Mangaluru.



WORKSHOP ON ADVANCED MACHINE LEARNING (31-01-2024)



Department of Artificial Intelligence and Machine Learning organized 2 days Hands-on Workshop on “**Advanced Machine Learning**” on 31st January and 1st February 2024. 62 students of 3rd year AIML department, 2 students from CSE department and 2 students from ECE department actively participated in this workshop. **Mr. Harish Kumar**, CEO, Accolade Tech Solutions and his team led the hands on sessions in skill lab. They gave practical insights into various preprocessing techniques, Deep Learning techniques and Natural Language Processing. The workshop was coordinated by Mr. Divyesh Divakar, Assistant Professor, AIML department.

IEEE Remote Access and New Features for Faculty (20-02-2024)

The Library and Information Centre & NDLI Club at Canara Engineering College organized a One-Day Faculty Development Program on “**IEEE Remote Access & New Features**” on February 20, 2024. **Mr. M. S. Srinivasa**, IEEE Training Manager, South India, was the resource person. Dr. Nagesh H. R., Principal, highlighted the importance of research in teaching. Faculty members learned about new IEEE features, including remote access, paper downloads, and accessing the most cited papers. The interactive session concluded with a quiz. 32 faculty members benefited from the program. Ms. Supriya A. V., Assistant Professor, Department of AIML, was the convener.



WORKSHOP/PAPER PRESENTATION/SEMINAR CONDUCTED

IEEE Remote Access and New Features for Students (20-02-2024)

The Library and Information Centre & NDLI Club at CEC organized a user awareness program on **"IEEE Remote Access & New Features"** on February 20, 2024, in the Skill Lab. **Mr. M. S. Srinivasa**, IEEE Training Manager, South India, was the resource person. The program was for 5th semester CSE students, focusing on new IEEE features like remote access, downloading popular papers, and viewing the most cited papers. Students engaged in activities, proposing solutions for problems identified in research articles from IEEE. A total of 121 CSE students participated. Ms. Supriya A. V., Assistant Professor in the Department of AIML, was the convener.



GETTING STARTED WITH REACT (29-05-2024)

The Department of AI & ML, with the Design Club, organized a MERN Stack series to provide students with hands-on experience in MongoDB, Express.js, React, and Node.js. The first event, **"Getting Started with React,"** was held on May 29, 2024, led by Ms. Saritha Suvarna, Assistant Professor, Department of CSE, CEC. She introduced React fundamentals and guided attendees in creating React applications. The second event, **"Building APIs with Express.js and Node.js,"** on June 5, 2024, was conducted by Mr. Adithya Pai B., who taught API creation and server setup. The final event, **"Integrating MongoDB and Node.js,"** on June 12, 2024, also by Adithya Pai B., covered MongoDB integration and CRUD operations. The event was coordinated by Mr. Deepak D.



INDUSTRY VISIT (31-05-2024)

The AI&ML Department arranged a one-day Industrial Visit for second-year students to **Manipal Universal Technology Business Incubator (MUTBI) and ISAC Centre of Excellence for Cyber Security, Manipal**, on May 31, 2024. These initiatives, under Manipal Academy of Higher Education, support entrepreneurship aligned with India's social objectives. The event, supported by IEEE Mangaluru Subsection and IIC, aimed to familiarize students with startup incubation and cybersecurity advancements. Mr. Siju V. Soman, Assistant Professor, AI&ML Department, led the visit. It attracted 61 students and 3 faculty members, providing insights into innovation ecosystems and opportunities for students, faculty, alumni, and the local community.



WORKSHOP/PAPER PRESENTATION/SEMINAR CONDUCTED

MATHEMATICS FOR MACHINE LEARNING (05-06-2024)

To enhance faculty expertise in Machine Learning, a workshop on the "**Mathematics for Machine Learning**" was held on June 5, 2024. Led by **Mr. Padmanabha Kamath**, Asst. Prof., Dept. of Mathematics, the workshop covered essential mathematical concepts such as linear algebra, calculus, and probability/statistics. Participants engaged in hands-on activities and discussions, gaining practical insights into applying these principles to machine learning. The workshop provided attendees with tools to enhance their teaching and research in machine learning. The event was coordinated by Mr. Nagaraj Gadagin.



APPLICATIONS OF DATA SCIENCE (22-06-2024)

The Department of Artificial Intelligence and machine learning hosted a technical talk on "**Applications of Data Science**" on June 22, 2024, at Seminar Hall 2, featuring **Ms. Malani Lisha Dsouza** from UniCourt as the speaker. Attended by 58 4th-semester AIML students, the event highlighted the significance of Data Science, endorsed by Principal Dr. Nagesh H. R. and HoD Dr. Basappa B. Kodada. Topics included real-world uses like marketing and consumer behavior analysis, emphasizing innovative technologies such as ChatGPT. Statistical intuition, Exploratory Data Analysis, skills for data scientists, and the Data Science lifecycle were key themes, engaging the audience actively. Mrs. Supriya A. V. coordinated the event, supported by Ms. Disha Suraj Kallya from the 4th semester AIML.



INDUSTRY VISIT (26-06-2024)

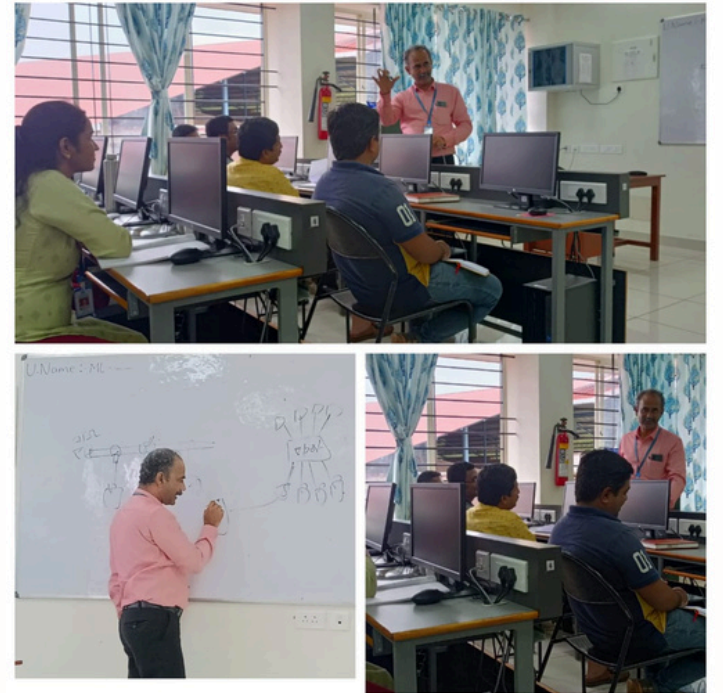


An industrial visit was organized by the Artificial Intelligence and Machine Learning Department for second-year students on June 26th, 2024, to the **COMEDKARES Innovation Hub in Mangalore**, in association with the Institution's Innovation Council (IIC). The COMEDKARES Innovation Hub, established by the Consortium of Medical, Engineering, and Dental Colleges of Karnataka (COMEDK), aims to enhance 21st-century skills and familiarize budding engineers with the latest technologies like AI, ML, and IoT to increase their employability and industry readiness. During the visit, students were introduced to the process of building a BOT and had the opportunity to assemble the parts and construct a bot themselves. Mr. Siju V. Soman, Assistant Professor in the Department of AI&ML, served as the convenor of the industrial visit. A total of 56 students and 1 faculty member participated in this event.

WORKSHOP/PAPER PRESENTATION/SEMINAR CONDUCTED

BASICS OF NETWORKING (29-06-2024)

The Department of Artificial Intelligence and Machine Learning organized a technical session on "**Basics of Networking**" as part of a knowledge enhancement series, led by Dr. Uday Kumar K. Shenoy, Dean of Research and Development, on 29th June 2024. The session, held in the department's Machine Learning Lab (AIL-02), was attended by 11 participants, including faculty and staff members. **Dr. Uday Kumar** explained networking fundamentals comprehensively, covering topics such as cable types and costs, networking devices, data transfer processes, installation costs, network topologies, ingress filtering, CSMA-CA, and CSMA-CD. The event, coordinated by Mrs. Supriya A. V., Assistant Professor of AIML, marked the first session in the series and was highly beneficial to the attendees.



Thank You

