



IFET Autonomous
College of Engineering
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Accredited by

DEPARTMENT OF AI&ML SYNERGY

2024-2025
**ANNUAL
MAGAZINE**



**INNOVATING INTELLIGENTLY.
LEARNING CONTINUOUSLY.**



EDITOR'S DESK



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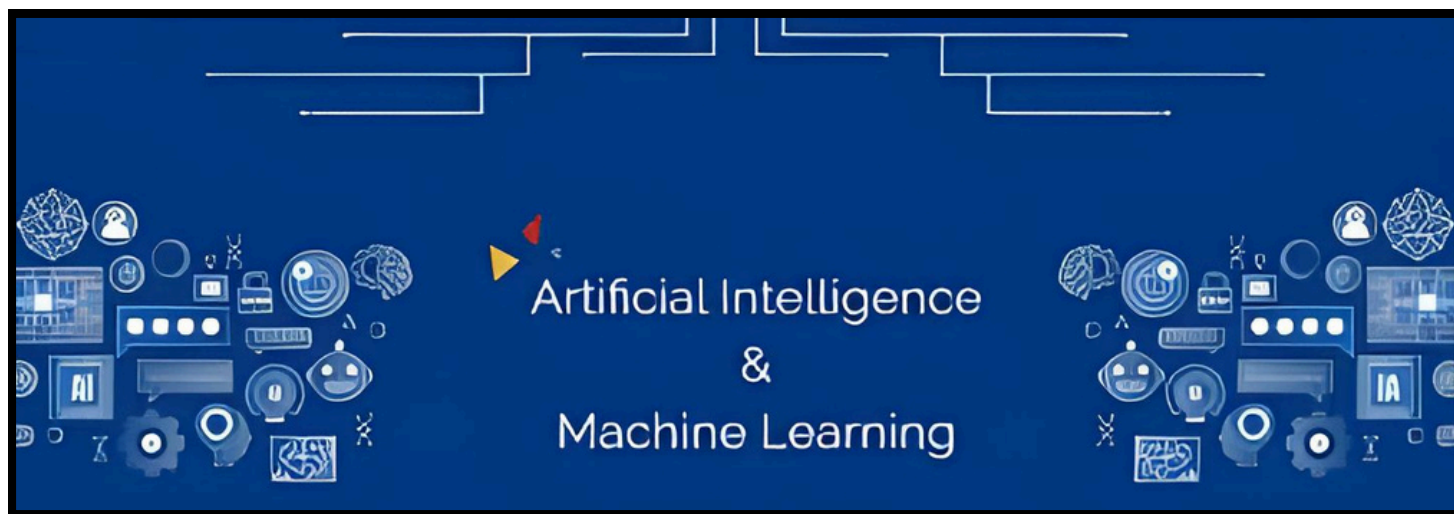
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ABOUT US



The Department of Artificial Intelligence and Machine Learning (AI & ML) is at the forefront of technological innovation, equipping students with the skills to develop intelligent systems that transform industries. AI enables machines to simulate human intelligence, while ML allows them to learn and improve from experience.

This department covers key areas such as machine learning, deep learning, natural language processing, computer vision, robotics, and big data analytics. With applications ranging from self-driving cars and virtual assistants to healthcare and finance, AI & ML offer endless career opportunities as AI engineers, data scientists, and robotics specialists.



VISION

To be a top center for learning Artificial Intelligence and Machine Learning, guiding students to create a better future in technology and society.



MISSION

- To build a strong foundation in Artificial Intelligence and Machine Learning by providing quality education and practical knowledge.
- To empower students with ethical values and skills to make meaningful contributions to society through technology.
- To encourage self-learning and leadership by guiding students to apply their knowledge to solve real-world problems.
- To promote innovation and creativity, inspiring students to contribute to sustainable development and growth.
- To prepare students for success in industry, research, and entrepreneurship at national and international levels.

CAREER PATH



Data Scientist – Extracts meaningful insights from complex data using statistical and machine learning techniques to drive business decisions.



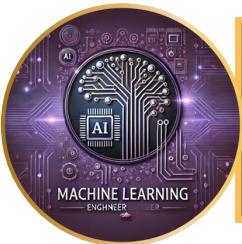
AI Engineer – Designs and implements AI models, integrating deep learning and neural networks to develop smart applications.



Big Data Engineer – Manages large-scale data pipelines and architectures to ensure efficient processing and analysis of big data.



Data Analyst – Interprets and visualizes data to provide actionable insights for organizations, improving efficiency and strategy.



Machine Learning Engineer – Develops ML models and algorithms that enable systems to learn and improve from data without explicit programming.



Research Scientist – Explores new AI methodologies, advancing the field through cutting-edge research in deep learning, computer vision, and robotics.

By

Dr.S.Usharani
HoD/AIML

ASSOCIATION ACTIVITIES



Department of AI&ML and AI&DS Association Inaugural Function with Guest Lecture on “Wealth Wisdom”

The event was graced by esteemed faculty, students, and industry experts, setting the stage for a year of knowledge-sharing and professional growth. A highlight of the event was the guest lecture on “Wealth Wisdom”, where students gained valuable insights into financial literacy, smart investment strategies, and wealth management in the digital era. The session encouraged young minds to integrate financial planning with their technological expertise, fostering a future-ready mindset.

ASSOCIATION ACTIVITIES



TNSCST Sponsored Popularization of Science Program on “Uniting Voices: International Women’s Day

The event brought together students and experts to explore the importance of gender equality in science and technology. Engaging discussions, inspiring talks, and interactive sessions encouraged students to rethink societal norms and embrace inclusivity in their academic and professional journeys. The seminar left a lasting impact, empowering students with a deeper understanding of equality and representation in STEM fields. It served as a platform to celebrate achievements, address challenges, and inspire future generations to break barriers. Through such initiatives, IFET continues to foster an environment where knowledge and equality thrive together.

ASSOCIATION ACTIVITIES



Guest Lecture on “Unleashing the future of AI and Machine Learning” - 19.02.2025

A guest lecture on “Unleashing the Future of AI and Machine Learning” was successfully conducted on 19-February 2025 for students, providing valuable insights into the latest advancements and applications of Artificial Intelligence and Machine Learning. The session highlighted emerging trends, real-world applications, and the transformative impact of AI in various sectors, including healthcare, finance, and automation. Students gained practical knowledge about AI algorithms, ethical considerations, and future career opportunities in the field. The interactive Q&A session further enhanced their understanding, encouraging them to explore AI-driven innovations. The lecture served as a platform for inspiring young minds to delve into research and contribute to the evolving AI landscape.

ASSOCIATION ACTIVITIES



Guest Lecture on “Advanced Network and Cyber Security Strategies for Industry Resilience” - 13.03.2025

A guest lecture on “Advanced Network and Cyber Security Strategies for Industry Resilience” was organized on 13-March 2025, providing students with a comprehensive understanding of the latest cybersecurity challenges and solutions. The session focused on the importance of robust network security frameworks, threat detection mechanisms, and proactive incident response strategies essential for ensuring industry resilience. Real-world case studies and practical scenarios were presented to enhance the participants' knowledge of cyber threats and mitigation techniques. The lecture empowered students with valuable insights into current cybersecurity trends and career prospects in the cybersecurity domain, inspiring them to explore innovative solutions for a secure digital future.

ASSOCIATION ACTIVITIES



National Youth Day

The National Youth Day was celebrated with great enthusiasm at IFET College of Engineering on 11-January 2025, marking the birth anniversary of Swami Vivekananda, whose teachings continue to inspire the youth of our nation.

The event was conducted by the Department of Artificial Intelligence and Machine Learning (AIML), aiming to instill the values of leadership, perseverance, and social responsibility among students. The chief guest for the occasion, Dr. A. Devi, Associate Professor, Department of Electronics and Communication Engineering, graced the event with her presence and motivated the students with an insightful speech on the role of youth in shaping a progressive society. She emphasized the importance of self-discipline, innovation, and ethical leadership in today's rapidly evolving world.

The celebration included the Moments of IFET 2024 contest, where students actively participated and showcased their talent and knowledge. The winners were honored by Dr. A. Devi, who distributed prizes and certificates, encouraging them to continue their pursuit of excellence.

The event concluded on a high note, leaving the students inspired and motivated to contribute positively to society, in line with the vision of Swami Vivekananda. The Moments of IFET 2024 remains committed to fostering the spirit of youth empowerment through such meaningful initiatives.

IFET College of Engineering looks forward to continuing its tradition of celebrating National Youth Day, inspiring students to become future leaders and changemakers.

ASSOCIATION ACTIVITIES



PROJECT EXPO “IGNITE EXPO - 2K25”-09.05.2025

The Departments of Computer Science and Engineering, Artificial Intelligence and Machine Learning, and Artificial Intelligence and Data Science, in association with the Institution's Innovation Council (IIC), Computer Society of India, COMPASS(Computer Professionals Association), The Brainiacs, and the Association of Data Scientists, successfully organized PROJECT EXPO-IGNITE 2K25 on 09.05.2025 at our college premises. The event aimed to provide a platform for young innovators to showcase their project work, enhance technical competency, and encourage collaborative problem-solving among engineering students. The event served as a confluence of creativity and technology, witnessing participation from students across CSE, AI&DS, and AIML departments. The expo allowed them to present prototypes, models, and innovative ideas addressing real-world issues. The Chief Guest for the event was Ms. L. KRITHIKA, Senior Analyst, Accenture Private Solutions Limited, who brought industry expertise and provided motivational insights for budding engineers.

ASSOCIATION ACTIVITIES



“SYNAPTECH-2025” -VALEDICTORY FUNCTION - 09.04.2025

The Valedictory Function of SYNAPTECH 2K25 was held on 09.04.2025 at IFET College of Engineering. It was jointly organized by the Departments of Artificial Intelligence and Data Science (AI&DS) and Artificial Intelligence and Machine Learning (AI&ML). The event began at 2:00 PM in the Seminar Hall, Mother Theresa Block. Students and faculty members from both departments actively participated in organizing the event. The function started with a prayer song, followed by a multimedia video showcasing departmental achievements. Mr. B. Gopinath, Cyber Security Analyst at Wipro Technologies Limited, Chennai, was the Chief Guest. He shared insights on the importance of cybersecurity in today's digital world. With two years of hands-on experience, he has expertise in securing digital infrastructure and implementing robust security systems. He is a Microsoft AZ-500 Certified Analyst and holds a Java certification from Guvi. He also has knowledge in MERN Full Stack Development. His talk encouraged students to stay updated with industry trends and technologies. The welcome address was given by Ms. Swethan Raja (II year AI&DS). Department reports were presented by Ms. Ruddhra III year AI&ML and Dr. S. Usharani. The event was coordinated by Ms. T. Madhumathi and Mrs. P. Divya. Important contributions came from Dr. G. Mahendran, Dr. P. Kanimozhi, Dr. P. Pugazhendiran, and Mrs. P. Manjubala. The event concluded with a vote of thanks and the National Anthem. It provided students with valuable industry knowledge and career inspiration.

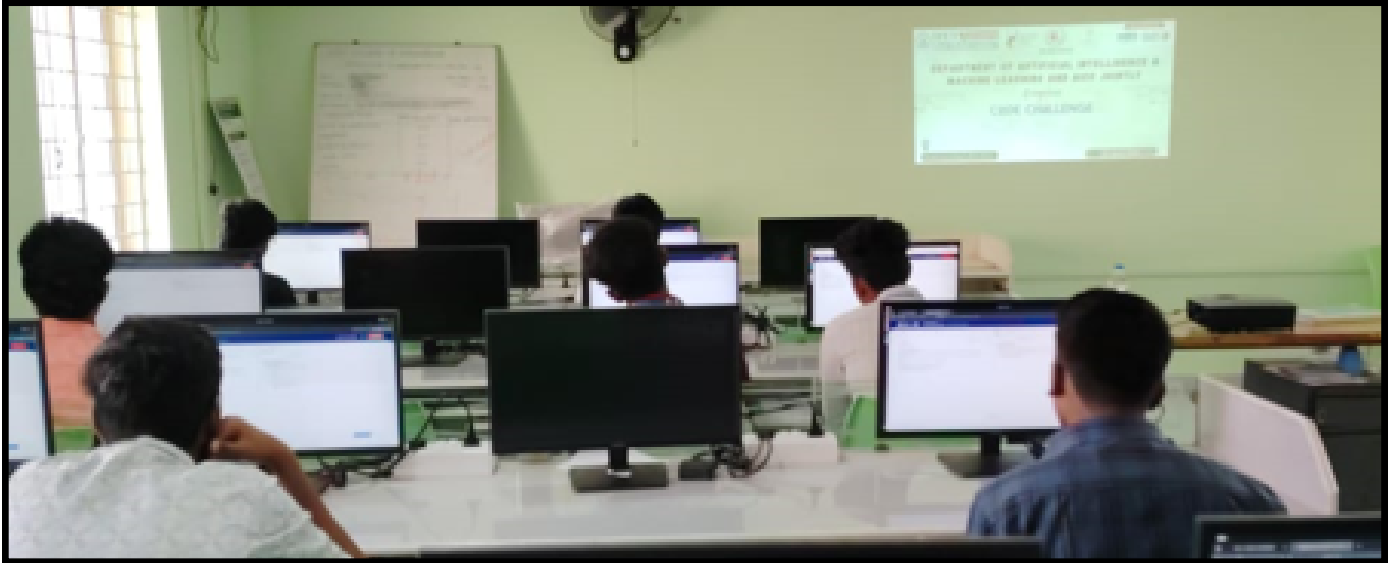
TECHNICAL EVENTS



AI Sympo (Paper Presentation) - 25.02.2025 & 27.02.2025

The AI Sympo (Paper Presentation) was held on 25 and 27 February 2025, offering an excellent platform for students to showcase their innovative research ideas in the field of Artificial Intelligence. Participants presented their papers on a wide range of AI applications, including machine learning, deep learning, computer vision, and natural language processing. The event provided an opportunity for students to engage in intellectual discussions, receive valuable feedback from experts, and enhance their research and presentation skills. The symposium fostered a collaborative environment, encouraging knowledge exchange and inspiring participants to explore cutting-edge AI advancements.

TECHNICAL EVENTS



AIML Coding Challenge - 10.03.2025

The AIML Coding Challenge was conducted on 10-March 2025, providing an excellent opportunity for students to test and enhance their coding skills in Artificial Intelligence and Machine Learning. The challenge featured a series of problem statements covering topics such as data preprocessing, model building, algorithm optimization, and real-world AI applications. Participants demonstrated their analytical thinking, problem-solving abilities, and coding proficiency. The event encouraged healthy competition and fostered a spirit of innovation. Through this hands-on experience, students gained practical insights into AI model development and improved their technical competence, making it a valuable learning experience for aspiring AI and ML professionals.

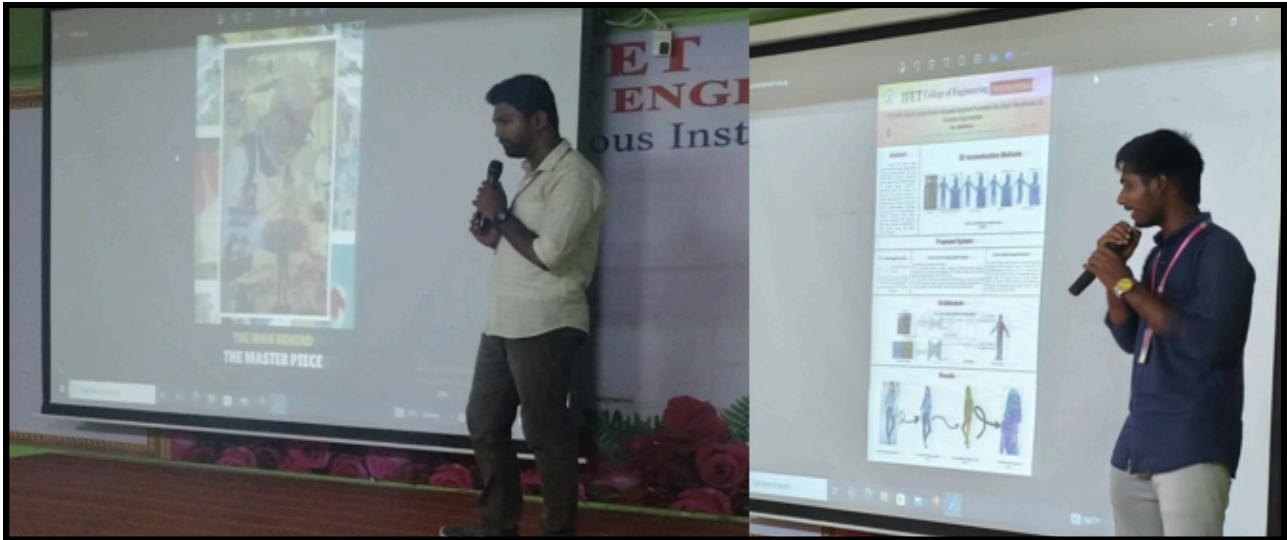
TECHNICAL EVENTS



Tech Talk - 27.03.2025

The Department of Artificial Intelligence and Machine Learning, in collaboration with THE BRAINIACS, organized TECH TALK'25 on March 27, 2025, at Sri Ramanujan Block. The event was a technical elocution focusing on real-world challenges in AI and ML. Key themes included Explainable AI, Ethical AI, Generative AI, Reinforcement Learning, AI in Healthcare, Cybersecurity, and Sustainable Development. Coordinated by faculty and students, the event provided a platform for participants to present insights and practical applications. Students from various academic years actively took part, showcasing critical thinking and innovative problem-solving. Presentations were judged by Mr. D. Raghu Raman, Head of the Department, CSE. Evaluation criteria included clarity, depth, innovation, and real-world relevance. The event fostered intellectual exchange and interdisciplinary learning. Participants gained exposure to cutting-edge AI topics and real-world challenges. Winners were recognized for their exceptional contributions. The event emphasized ethics, continuous learning, and collaboration in AI development. It also helped students refine their presentation and communication skills. TECH TALK'25 concluded successfully, receiving positive feedback from attendees. The event has paved the way for future editions with advanced themes. It reaffirmed the department's commitment to fostering innovation and academic excellence in AI and ML.

TECHNICAL EVENTS



Intel View- Poster Presentation - 03.04.2025

The Department of Artificial Intelligence and Machine Learning, in association with THE BRAINIACS, organized "IntelView: Poster Presentation" on April 3, 2025, at 2:00 PM in the SRM Block Seminar Hall. The event was well-coordinated by faculty and students, creating an engaging academic platform. A total of 10 teams—equally from second and third-year students—presented their innovative research work. Posters showcased a variety of AI and ML concepts with real-world relevance. Dr. T. Ananth Kumar, Associate Professor of CSE at IFET College of Engineering, served as the evaluator. He offered insightful feedback and encouraged participants to explore broader technical platforms. His suggestions helped teams refine their presentation techniques. The event promoted research enthusiasm among undergraduates. It also helped students develop technical articulation and visual communication skills. Healthy peer competition further motivated high-quality output. Faculty mentors played a key role in guiding student efforts. The event highlighted the department's commitment to research and skill development. Participants left with enhanced confidence and academic curiosity. The department expressed heartfelt thanks to Dr. Ananth Kumar, faculty, and all student contributors. IntelView concluded on a successful and inspiring note.

TECHNICAL EVENTS



Mini Project Expo - 09.04.2025

The Department of Artificial Intelligence and Machine Learning, in association with THE BRAINIACS, organized the Mini Project Expo on April 09, 2025, at the MMI Lab. The expo showcased innovative student projects addressing real-world challenges using AI and ML. Themes included Explainable AI, Ethical AI, Cybersecurity, NLP, Healthcare, Reinforcement Learning, Generative AI, and more. The event promoted hands-on learning, creativity, and the practical application of AI technologies. Projects demonstrated critical thinking, technical depth, and domain-specific problem-solving. Faculty and student coordinators ensured smooth execution and high-quality presentations. Mr. B. Gopinath, Cyber Security Analyst at Wipro, Chennai, served as the event judge. Projects were evaluated on clarity, innovation, analysis depth, and real-world relevance. Students from various academic years participated with enthusiasm and originality. Top-performing teams received awards and special mentions for their exceptional work. The expo fostered interdisciplinary collaboration and ethical AI development. It helped students enhance their technical communication and presentation skills. The event created a stimulating environment for sharing and learning emerging AI trends. Positive engagement from faculty and students made the event a great success. The Mini Project Expo 2025 concluded on a high note, setting the stage for future editions.

STUDENT ACHIEVEMENTS -GRANT

Mentor:
Dr. S. Usharani, ASP/AIML

Project Title:
DocToYou

GRANT

9
LAKHS



Incubatee:
Gayam Sainath Reddy

Gayam Sainath Reddy, IV Year

Received Seed Fund of Rs. 9 Lakhs from MSME Ideathon 4.0 for Project Title “Doc to You”

The project aims to revolutionize healthcare accessibility by bridging the gap between medical professionals and patients through technology-driven solutions. Recognized for its real-world applicability, innovation, and potential impact, “Doc to You” stood out among numerous entries in the nationwide competition. This significant funding will support the further development, implementation, and scaling of the project, marking an important milestone in its journey from idea to impact.

STUDENT ACHIEVEMENTS

-ISTE BEST PROJECT



P. Giridharan , IV Year
N. Muralidharan , IV Year

The National Award for Best B.Tech Project
“Speech Recognition System for Upper-Limb
Impairment: A Text Editor for Programming via
Voice” at the ISTE National Annual Student
Convention held at Baba Singh Bahadur
Engineering College, Fatehgarh Sahib, Punjab.

STUDENT ACHIEVEMENTS

-PAPER PRESENTATION



S.Sriraj, II Year
C.Hariharan, III Year
M.Vigneshwar, III Year
G.Vignesh, III Year

Received First Prize for the Paper Presentation titled “Smart Bus Monitoring System” at the Third National Conference on Artificial Intelligence and its Emerging Trends (NCAAIET’24), Sairam College of Engineering

STUDENT ACHIEVEMENTS

-PROJECT HACKATHON



Mathan. A, II Year
Deepanraj. B ,II Year
Harini. R, II Year

Received Second Prize with Cash Reward of Rs.1000 in Open House Project Expo- 2025 at NITTE Meenakshi Institute of Technology, Bangalore

STUDENT ACHIEVEMENTS

-PAPER PRESENTATION



Sanchith Shanmugha Sundaram S, III Year
S.Karthikeyan, III Year
S.Ruddhra, III Year

**Received Second Prize in Paper presentation -
Ignite Expo 2025 Competition at AKT Memorial
College of Engineering and Technology**

STUDENT ACHIEVEMENTS

-PAPER PRESENTATION



S.Jothimani,III Year
D.Nithish Kumar,IIIYear

**Received Third Prize in Paper Presentation titled
“Multilingual Machine Translation” conducted by
St.Joseph College of Engineering, Chennai on
26.02.2025**

STUDENT ACHIEVEMENTS

-EVENTS



D.Logesh, III Year

**Received Second Prize in Logo Design competition
conducted by SRM , Ramapuram on 20.09.24**

STUDENT ACHIEVEMENTS -EVENTS



A.Arvin Ram,III Year
K.Tharun ,III Year
M.Ramesh Aravind,III Year

Received Second prize in Paptrix event at New Prince Shri Bhavani College of Engineering and Technology

STUDENT ACHIEVEMENTS -EVENTS



**R.Aarthi,III Year
H.Fathimarihana ,IIIYear
S.Thasneem Sulthana,III Year**

Received First prize in Paptrix event at New Prince Shri Bhavani College of Engineering and Technology

STUDENT ACHIEVEMENTS

-EVENTS



S.A.Jeevitha,III Year
M.Jayaranjini,III Year
P.Vidhya,III Year

Received Second prize in Lift and Drop at New Prince Shri Bhavani College of Engineering and Technology

STUDENT ACHIEVEMENTS -EVENTS



D.Logesh,III Year

Received First Prize in Shipwreck Technical Contest at Christ College of Engineering.

STUDENT ACHIEVEMENTS -EVENTS



S.Dheena, III Year
S.Karthikeyan, III Year
S.Ruddhra, III Year
C.Ponraj, II Year

Received First Prize in Zap Zone Non-Technical Event on 'Technovation 2K24' a National Level Innovative Technical Fest conducted by Department of CSE on 28.09.2024 at Mailam Engineering College, Mailam.24

STUDENT ACHIEVEMENTS

-EVENTS



Sanchith Shanmugha Sundaram S, III Year
S.Karthikeyan, III Year

Received First Prize in Technical quiz at Mailam College of Engineering

STUDENT ACHIEVEMENTS -EVENTS



**S.A. Jeevitha, III Year
R.Sandhiya ,III Year**

**Received Second Prize Headphone Challenge
Event at AKT Memorial College of Engineering
and Technology**

STUDENT ACHIEVEMENTS

-EVENTS



M.Jayaranjini, III Year
S.A.Jeevitha, III Year

Received First Prize with 500 cash in NOVA NOTES event at Velammal Institute of Technology

STUDENT ACHIEVEMENTS

-EVENTS



M.Jayaranjini, III Year
R.Sowmiya ,III Year

**Received First Prize Headphone Challenge Event
at AKT Memorial College of Engineering and
Technology**

STUDENT ACHIEVEMENTS -EVENTS



M.Mohan Raj, III Year

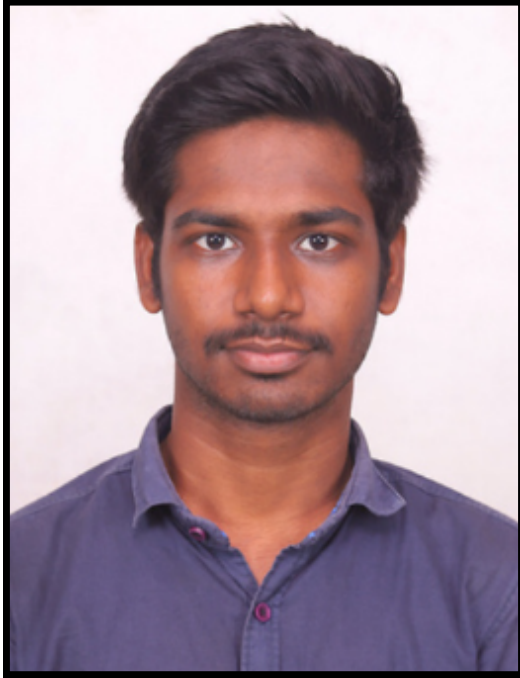
Received Second Prize in Design Forge Non-Technical Event on 'Technovation 2K24' a National Level Innovative Technical Fest conducted by Department of CSE on 28.09.2024 at Mailam Engineering College, Mailam.



M.Jayaranjini, III Year

Received First Prize in Sensory Safar Event conducted during the National level Technical Symposium 'ACETRONIX-2k24' by Achariya College of Engineering, Puducherry on 01.10.2024

STUDENT ACHIEVEMENTS



S.Dheena, III Year

Had been published VS-CODE extension for Machine Learning And Data Science snippets.

PLACEMENT



Gayam Sainath Reddy , IV Year

From Campus to Career: My Placement at Terv

Securing a placement at Terv through my on-campus interview was a defining moment in my academic journey. The recruitment process, which included an aptitude test, technical evaluation, and HR interview, challenged my skills and prepared me for the corporate world.

Receiving my offer letter was a moment of pride, marking the beginning of an exciting career. I am eager to embark on this journey with Terv, contribute to innovative projects, and grow professionally. Grateful to my college and mentors, I look forward to this new chapter with enthusiasm and determination.

Terv, officially known as Top Freshers Technologies Pvt Ltd, is an educational technology and design company focused on providing innovative learning solutions. The company specializes in progressive educational tools, career development programs, and technology-driven learning experiences. Terv's mission is to empower students and professionals with cutting-edge educational resources that bridge the gap between traditional learning and modern industry requirements. Through customized e-learning platforms, interactive training modules, and skill development programs, the company aims to revolutionize the way education is delivered in the digital age.

SPORTS ACHIEVEMENT



A.Madhan,II Year

Received First Prize in HAND BALL(MEN) in the Anna University Zonal tournaments 2024-2025.

SPORTS ACHIEVEMENT



S.Karthikeyan, III Year
S.Prashanth, III Year
K.Vishwa, III Year

Received Third Prize in Badminton at Anna University Zone V Tournament (2024-2025)

FACULTY ACHIEVEMENTS



Dr.S.Usharani
Associate Professor
Head of Department

CONFERENCES



- Presented a paper entitled “Enhanced Image Processing for Automobile Accident Detection Using Deep Learning” in Third IEEE International Conference on “Smart Technologies and systems for Next Generation Computing (ICSTSN 2024) held at IFET College of Engineering on 18th and 19th July 2024.
- Presented a paper entitled “Hybrid Approach of CNN & RNN for Breast Cancer Detection and Segmentation” in Third IEEE International Conference on “Smart Technologies and systems for Next Generation Computing (ICSTSN 2024) held at IFET College of Engineering on 18th and 19th July 2024.

- Presented a paper entitled “Optimizing Crop Yields with Multilayer Perceptrons: A Data-Driven Approach” in 8th International Conference in Innovations Systems and Control (ICISC 2024), by “JCT College of Engineering and Technology on 29th and 30th July 2024.
- Presented paper entitled Integrated Eeg Signal Fusion For Advanced Epileptic Seizure Analysis in 3rd International Conference on Futuristic Technologies (INCOFT-2025) during 21st to 22nd February 2025.
- Presented the paper titled “Image classification in Medical diagnosis for diabetic retinopathy-deep learning in International Conference on Advanced Computing Technologies (ICoACT - 2025), held at P.S.R. Engineering College, Sivakasi, Tamilnadu, India during March 14th & 15th 2025.”

REVIEWER



- Appreciated for her notable service as Technical Reviewer for reviewing the manuscripts submitted in the Third IEEE International Conference on “Smart Technologies and systems for Next Generation Computing (ICSTSN 2024) held at IFET College of Engineering on 18th and 19th July 2024.

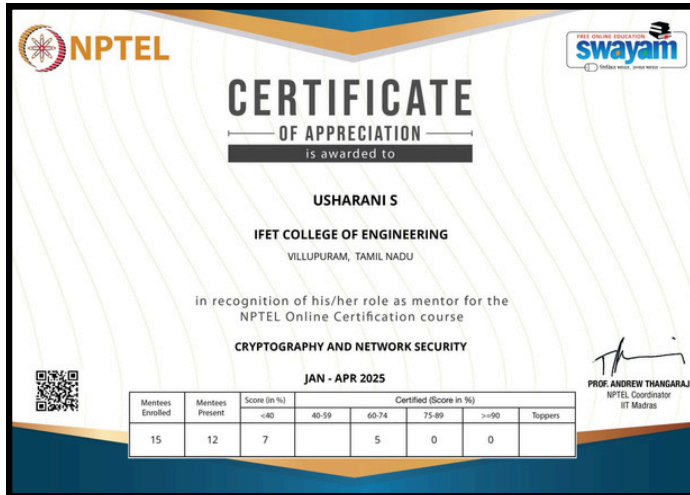
- Appreciated for her notable service as Technical Reviewer in the International Conference on Advanced Computing Technologies (ICoACT - 2025), held at P.S.R. Engineering College, Sivakasi, Tamilnadu, India during March 14th & 15th 2025
- Reviewer for IEEE sponsored International Conference on Data Science and Business Systems Held on 17th and 18th of April 2025 at SRM University - KTR Campus.

GRANT RECEIVED



- Received a grant of ₹15,000 and coordinated and organized the TNSCST-sponsored Popularization of Science Program on 'Uniting Voices: International Women's Day & the Pursuit of Equality,' organized by the Departments of Humanities, Mechanical Engineering, and AIML on October 26, 2024, at IFET College of Engineering, Villupuram.

MENTOR

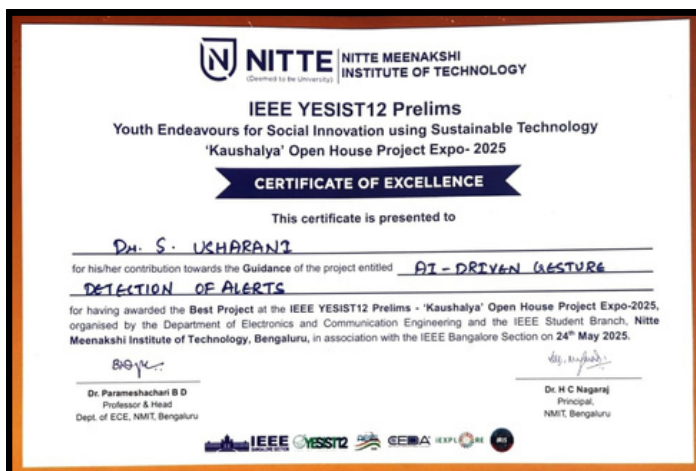


- Recognized as mentor for the NPTEL Online Certification course “Deep Learning – IIT Ropar” from January 2024 to April 2024

MENTORSHIP AND GRANT RECEIVED UNDER MSME SCHEME

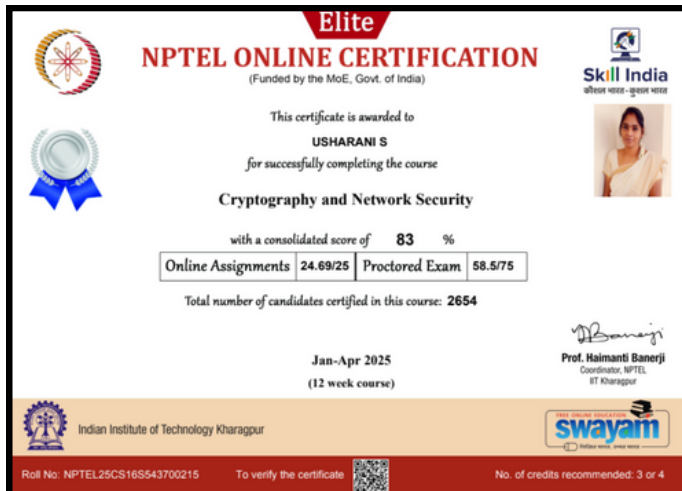
- Served as a mentor for a student innovation/research project proposal submitted under the MSME (Ministry of Micro, Small and Medium Enterprises) funding scheme. The project “Doc to You” was successfully selected and received a grant of ₹9,00,000 (Nine Lakhs) for development and implementation.

PROJECT GUIDANCE AND RECOGNITION



- Provided guidance for the student project titled “AI-Driven Gesture Detection for Alerts”, which was appreciated for its innovation and technical depth. The project was presented at the IEEE Project Hackathon organized by NITTE Meenakshi Institute of Technology, where it won a prize for excellence in design and implementation.

NPTEL COURSES



- Completed a 12-week NPTEL Online Certificate Course on "Cyber Security and Privacy" from July 2024 to October 2024.
- Completed a 12-week NPTEL Online Certificate Course on "Cryptography and Network Security" on Jan-Apr 2025 Organized by IIT Kharagpur.

RESOURCE PERSON



- Delivered a Hands-on Training Session on "Visual Insights: Data Storytelling with Python and Tableau" organised by the ISTE Student's Chapter during the academic year 2024-2025, held on 29th April 2025.

FDP



- Participated in five days online Faculty Development Program (FDP) on “Intellectual Property Rights in the age of AI, ML, Cyber Security and Blockchain” organized by The Department of Computer Applications, Mangalmay Institute of Management & Technology, Gr. Noida from 24th June – 28th June 2024.
- Participated in one week International Faculty Development Program on “AI for Sustainable Development” from 5th August 2024 to 9th August 2024, organized by VIT, Pune, IEEE Region 10 Humanitarian Technology activities, IEEE Pune Section, IEEE Pune Section SIGHT group, IEEE Pune Section SIG on “Energy Environmental Engineering” and IEEE VIIT Student Branch.
- Participated in 5-day Faculty Development Program (FDP) on "Exploring IoT & AI Frontier in Teaching and Research" from 2nd September 2024 to 6th September 2024, organized by the Department of CSE (IoT) in collaboration with HRDC, IEM-UEM Group, IEM IQAC, and IEM-IETE Students' Forum.
- Participated in a 5-day online Faculty Development Programme on 'Next-Generation Technologies on Information and Communication' from 5th November to 9th November 2024, organized by the Department of IT, CSE, CSE (AI/ML), and CSE (Data Science) at Bengal College of Engineering and Technology in collaboration with IIC (Institution's Innovation Council) and EDC (Entrepreneurship Development Cell).
- Participated and Completed ONE WEEK NATIONAL LEVEL FACULTY DEVELOPMENT PROGRAMME on RECENT ADVANCEMENTS IN AI & IOT – INDUSTRY PERSPECTIVE, organized by the Department of Computer Applications, Periyar Maniammai Institute of Science & Technology (PMIST), Vallam, Thanjavur, in association with Pantech Solutions, during the period 25/11/2024 – 30/11/2024."
- Participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Artificial Intelligence Edge – Soft Computing at DR. SIVANTHI ADITANAR COLLEGE OF ENGINEERING from 09/12/2024 to 14/12/2024.
- Participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Driving the Future 2025-2030 : Smart Cities and Urban Mobility at IFET College of Engineering from 20/01/2025 to 25/01/2025.
- Participated & completed the FDP on NEP-2020: Orientation & Sensitization under Malaviya Mission - Teacher Training Programme (MM-TTP) of University Grants Commission (UGC), MoE, GoI, organized by UGC- MMTTC, JNV University, Jodhpur, Rajasthan, from 17 to 25 February 2025 with grade A+.

FACULTY ACHIEVEMENTS



Mr.R.Parthiban
Associate Professor

FDP



- Participated in the Five-Day National Online Faculty Development Program (FDP) on "Current Trends in IT Industry" from October 21 to October 25, 2024. The FDP, organized by the Department of Information Technology, Sri Venkateswara College of Engineering, Sriperumbudur, provided valuable insights into the latest advancements and evolving trends in the IT sector.
- ProMind Research Academy, Erode, successfully organized a two-day Faculty Development Programme (FDP) on "Problem Formulation and Research Paper Writing." Hosted at IFET College of Engineering, Villupuram, on January 24-25, 2025, the program aimed to equip participants with essential research skills. Scholars and faculty members, including Mr. R. Parthiban from IFET College of Engineering, actively engaged in insightful discussions led by experts. The initiative provided valuable guidance on structuring research problems and effective academic writing, fostering excellence in research and publication.

FACULTY ACHIEVEMENTS



Mrs.D.Shanmugapriya
Assistant Professor

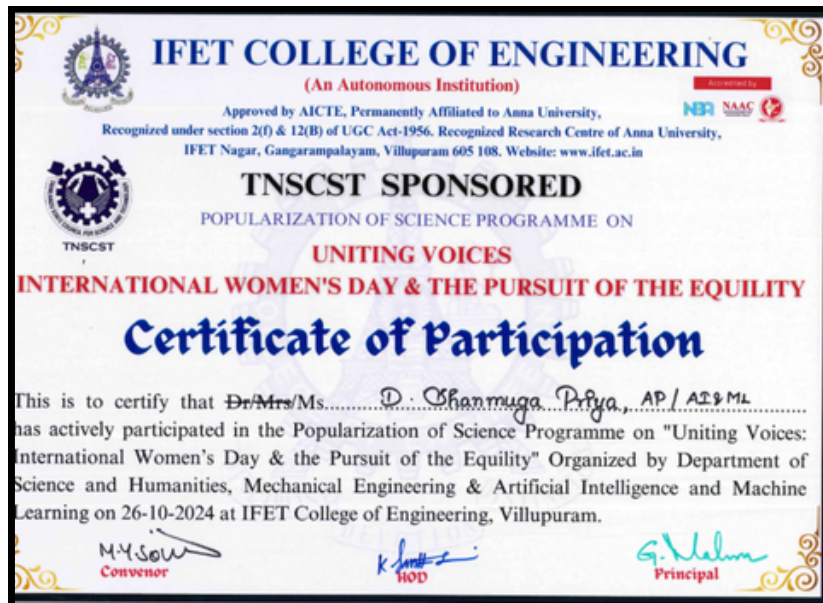
CONFERENCES



- Presented a paper on the title Paper ID:107: AI Based Traffic Signal Control using Reinforcement Learning ” during the International Conference on Mechanical and Information & Communication(ICMIC 2014)”organized by Siddhartha Institute of Technology and Sciences, Hyderabad, Telangana ” on date of the conference 24/12/2024 25/12/2024.
- Presented a paper on the title Paper ID:109: Block Chain based Voting System ” during the International Conference on Mechanical and Information & Communication(ICMIC 2014)” organized by Siddhartha Institute of Technology and Sciences, Hyderabad, Te langana ” on date of the conference 24/12/2024 to 25/12/2024.

- Presented a paper on the title Paper ID:113: Stock Buddy: A Discord Bot for Real Time Stock Market Analysis ” during the International Conference on Mechanical and Inform ation & Communication(ICMIC 2014)”organized by Siddhartha Institute of Technology and Sciences, Hyderabad,Telangana ” on date of the conference 24/12/2024 25/12/2024.
- Presented a paper on the title Paper ID:111: AI Based Face Recognition in Gadgets ” during the International Conference on Mechanical and Information & Communication(ICMIC 2014)” organized by Siddhartha Institute of Technology and Sciences, Hyderabad, Telangana ” on date of the conference 24/12/2024 to 25/12/2024.
- Presented a paper on the title Paper ID:106: The Role of Artificial Intelligence in Healthcare Management ” during the International Conference on Mechanical and Information & Communication(ICMIC 2014)” organized by Siddhartha In stitute of Technology and Sciences, Hyderabad, Telangana ” on date of the conference 24/12/2024 and 25/12/2024.
- Presented a paper on the title Paper ID:10 8 : Anxiety Journal with Triggers Mental Health Technology ” during the International Conference on Mechanical and Information & Communication(ICMIC 2014)”organized by Siddhartha Institute of Technology and Sciences, Hyderabad, Telangana ” on date of the conference 24/12/2024 and 25/12/2024.
- Presented a paper o n the title Paper ID:1 10 : E Commerce Fake Review Monitor and Deletion System using NLP ” during the International Conference on Mechanical and Information & Communication(ICMIC 2014)” organized by Siddhartha Institute of Technology and Sciences, Hyderabad, Telangana ” on date of the conference 24/12/2024 to 25/12/2024.

FDP



- Participated “TNSCST sponsored popularization of science programme on Uniting Voices International Women’s day & the Pursuit of the Equility” organized by Department of Humanities, Mechanical Engineering & Artificial Intelligence and Machine Learning on 26-10-2024 at IFET College of Engineering, Villupuram.
- Participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on 3D Printing for Biomedical Applications: Shaping the Future of Healthcare in Industry 4.0 at NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA from 13-01-2025 to 18-01-2025.
- Participated in Two days national level seminar on "Empowering change:Rural and Urban Women-Led Development Initiatives" organised by Department of Information Technology at IFET College of Engineering from 21-01-2025 to 22-01-2025.
- Participated in One Week Faculty Development Program on AI for Healthcare: Innovations, Applications and Future Trends Organized by Department of CSE-DS & CSE-IoT CSBT, Vishwakarma Institute of Information Technology, Pune from 10-02-2025 To 14-02-2025.

FACULTY ACHIEVEMENTS



Mrs.P.Thulasi
Assistant Professor

FDP



- Participated in the TNSCST sponsored Popularization of Science Programme on "Uniting Voices: International Women's Day & the Pursuit of the Equality" organized by the Department of Humanities, Mechanical Engineering, and Artificial Intelligence & Machine Learning on 26-10-2024 at IFET College of Engineering, Villupuram.
- Presented a paper titled "Smart Number Plate Recognition" at the CSR sponsored One Day National Conference on "Next-Gen Public Transportation: Integration, Technology and Sustainability" organized by the Department of Electrical and Electronics Engineering and Humanities on 15-03-2025 at IFET College of Engineering, Villupuram.
- Participated in the Two Days National Level Seminar on "Empowering Change: Rural and Urban Women-Led Development Initiatives" organized by the Department of Information Technology on 21-01-2025 and 22-01-2025 at IFET College of Engineering, Villupuram.
- Participated in the Faculty Development Programme on "Autonomous Electric Vehicle Prototyping" held from 24-01-2023 to 28-01-2023 at IFET College of Engineering, Villupuram.

FACULTY ACHIEVEMENTS



Mrs.S.Maduvanthi
Assistant Professor

FDP



- Participated in a 5-day online Faculty Development Programme on “Next-Generation Technologies on Information and Communication” from 5th November to 9th November 2024, organized by the Department of IT, CSE, CSE(AI/ML) and CSE(Data Science) at Bengal College of Engineering and Technology, in collaboration with Institution's Innovation Council (IIC) and Entrepreneurship Development Cell (EDC).

- Presented a research paper titled "Smart AI-Based Traffic Management System" at the CSIR Sponsored One-Day National Conference on the theme “Next-Gen Public Transportation: Integrating Technology and Sustainability”.
- Participation in a Faculty Development Programme titled “Teaching Hacks for the Modern Educator”. The programme was organized by IFET College of Engineering and held from 7th June 2024 to 8th June 2024.
- Participated in the TNSCST Sponsored Popularization of Science Programme titled “Uniting Voices: International Women's Day & the Pursuit of the Equality.” This event, aimed at promoting gender equality and celebrating the role of women in science and society, was organized by the Departments of Science and Humanities, Mechanical Engineering, and AIML at IFET College of Engineering, Villupuram, on 26th October 2024.
- Participated in the Faculty Development Programme on “Systematic Approach to Research Problem Formulation and Effective Proposal Writing.” This two-day FDP was organized by IFET College of Engineering, Villupuram, and conducted from 24th January 2025 to 25th January 2025.

INTERNSHIP

INTERNSHIP EXPERIENCE OF THIRD-YEAR AIML STUDENTS

As the Batch Coordinator, I am pleased to share that 57 students from the Third-Year AIML department have successfully completed their internships at various reputed companies. These internships provided them with invaluable hands-on experience in Artificial Intelligence, Machine Learning, and Software Development, allowing them to apply their academic knowledge to real-world challenges.

Our students had the privilege of interning at esteemed organizations such as,



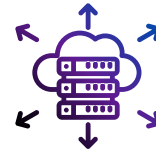
These industry interactions have enhanced their technical proficiency, strengthened their problem-solving skills, and provided them with valuable insights into current technological trends. The exposure gained through these internships will undoubtedly prepare them for future career opportunities in AI and ML, equipping them with the confidence to thrive in the evolving tech landscape. We look forward to witnessing their continued growth and success.

By

Mr.R.Parthiban
Associate Professor/AIML

STUDENTS INTERNSHIP EXPERIENCE

MY EXPERIENCE AT SOFTWARE LOGIC



I had the incredible opportunity to intern at Software Logic Innovations in the field of Cloud Computing. This experience provided me with hands-on exposure to cloud architectures, virtualization, and deployment strategies, allowing me to apply theoretical knowledge to real-world scenarios. During my internship, I worked on scalable cloud solutions, data management, and security protocols, gaining insights into industry best practices. The mentorship from professionals and the exposure to cutting-edge technologies enhanced my technical expertise and problem-solving skills. This internship has been a transformative journey, equipping me with the confidence to navigate the ever-evolving world of Cloud Computing and preparing me for future challenges in the tech industry.



By

A.Karthik, III Year

MY EXPERIENCE AT TIDEL NEO



Interning at Tidel Neo in the field of Web Development was an enriching experience that allowed me to apply my knowledge to real-world projects. I gained hands-on expertise in front-end and back-end technologies, responsive design, and database management, strengthening my understanding of modern web solutions. During my internship, I worked on dynamic web applications, performance optimization, and user experience design, learning industry best practices and the latest frameworks. The mentorship from experienced professionals helped me refine my coding skills, problem-solving abilities, and development strategies. This internship has been a valuable stepping stone in my journey, equipping me with the confidence and technical expertise to build efficient, scalable, and innovative web applications in today's fast-paced tech world.



By

A.Abinaya, III Year

INTERNSHIP

INTERNSHIP EXPERIENCE OF SECOND-YEAR AIML STUDENTS

As the Batch Coordinator, I am pleased to share that 57 students from the Second-Year AIML department have successfully completed their internships at various reputed companies. These internships provided them with invaluable hands-on experience in Artificial Intelligence, Machine Learning, and Software Development, allowing them to apply their academic knowledge to real-world challenges.

Our students had the privilege of interning at esteemed organizations such as,



These industry interactions have enhanced their technical proficiency, strengthened their problem-solving skills, and provided them with valuable insights into current technological trends. The exposure gained through these internships will undoubtedly prepare them for future career opportunities in AI and ML, equipping them with the confidence to thrive in the evolving tech landscape. We look forward to witnessing their continued growth and success.

By

Mrs.D.Shanmugapriya
Assistant Professor / AIML

STUDENTS INTERNSHIP EXPERIENCE

MY EXPERIENCE AT NLC



Interning at Neyveli Lignite Corporation (NLC) was a transformative experience, offering hands-on exposure to machine learning applications in industrial settings. My work focused on predictive maintenance models, analyzing historical data to forecast equipment failures and optimize operational efficiency. I also contributed to anomaly detection systems, helping identify irregularities in machinery operations to enhance safety and performance. Collaborating with professionals from various domains, I gained valuable insights into AI-driven solutions in industry. This internship deepened my understanding of machine learning's real-world impact, and I am excited to apply these learnings to future challenges in AI and automation.



By

A.Mathan,II Year

MY EXPERIENCE AT ASKAN TECHNOLOGIES



My experience at Askan Technologies was an eye-opening journey into the world of web development. I had the chance to work with both front-end and back-end technologies, focusing on optimizing application performance, responsiveness, and security. My role involved developing interactive user interfaces, integrating databases efficiently, and enhancing website functionality. Collaborating with experienced professionals provided valuable insights into industry practices and agile development methodologies. This opportunity strengthened my technical expertise and problem-solving skills, equipping me to tackle future challenges in software development and web technologies.



By

A.Priya Shri,II Year

FIELD TRIP



- Our third-year students embarked on an enriching field trip to the Multi-Material Machining and Testing Centre (MMTTC), IIITDM Kancheepuram on February 21, 2025. The visit provided them with valuable exposure to advanced manufacturing technologies, machining processes, and material testing techniques.
- During the visit, students had the opportunity to explore cutting-edge CNC machines, 3D printing technologies, non-destructive testing (NDT) methods, and material characterization equipment. Experts at MMTTC explained the significance of precision engineering, the role of automation in modern manufacturing, and real-world applications of material science.
- The interactive session with researchers and faculty members deepened students' understanding of industry-relevant skills, fostering a keen interest in advanced manufacturing, smart machining, and material innovation. This hands-on experience will undoubtedly enhance their technical knowledge and inspire them to explore research and career opportunities in the field.
- The trip was a remarkable learning journey, reinforcing the importance of experiential education in shaping the next generation of engineers.

STUDENTS EXPERIENCE AT FIELD TRIP

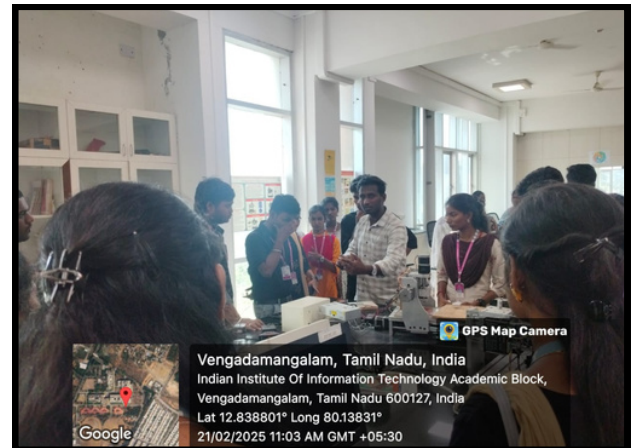


Exploring the Vision Processing Lab at IIITDM Kancheepuram

We had the opportunity to visit the Vision Processing Lab at IIITDM Kancheepuram, a hub for computer vision and AI research. The lab features 3D printers, image recognition systems, and robotic vision setups, supporting advancements in automation, medical imaging, and surveillance. The visit provided hands-on exposure to real-world applications, bridging theory and practice. We are grateful for this insightful experience and look forward to more explorations in emerging technologies.

By

S.Abila,III Year



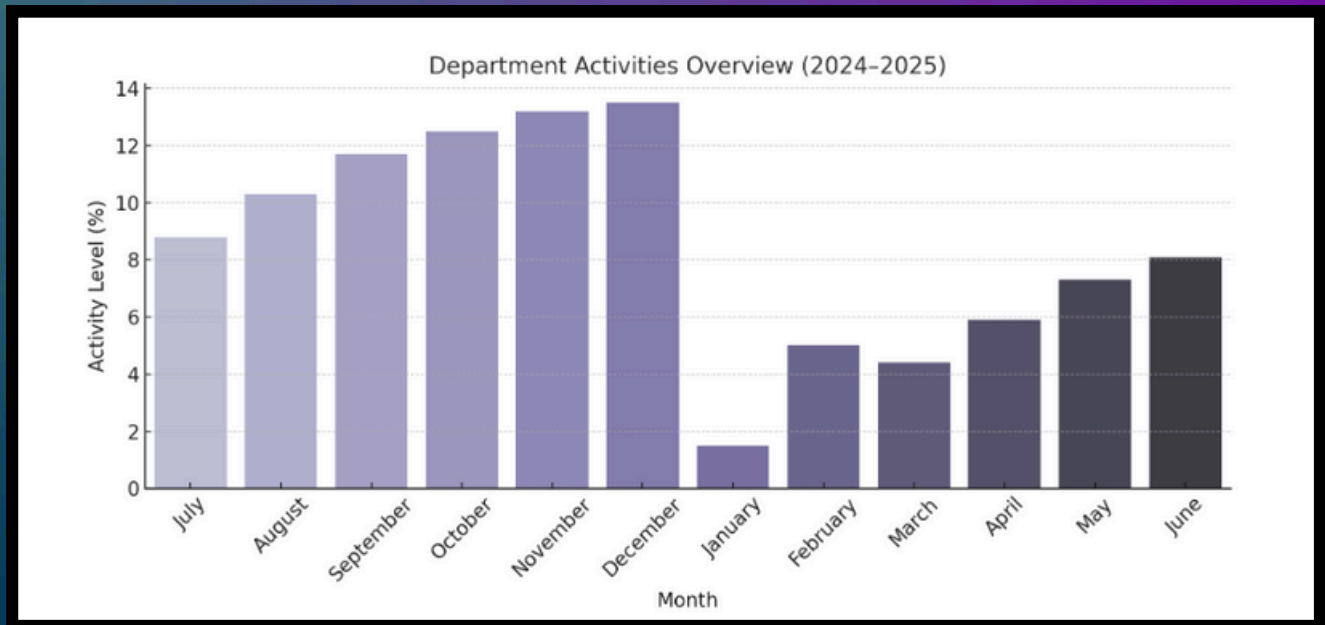
Exploring the Robotics Lab at IIITDM Kancheepuram

We had the opportunity to visit the Robotics Lab at IIITDM Kancheepuram, a hub for robotics research. The lab is equipped with advanced robotic systems, including autonomous robots and robotic arms, driving innovations in automation, manufacturing, and human-robot interaction. The visit offered hands-on experience and insights into real-world applications in sectors like healthcare and defense. It was an enriching experience, and we look forward to exploring more in the field of robotics.

By


S.Yogapriya,III Year

One Year Overview



The academic year 2024–2025 was a remarkable journey of learning, innovation, and achievement for the Department of Artificial Intelligence and Machine Learning (AI&ML). From technical symposiums to real-world internships, every month marked a new milestone in our department's pursuit of excellence.

Our students actively participated in over 25+ events, including:

-  Guest Lectures on Cybersecurity and AI Innovations
-  National-Level Project Expos & Paper Presentations
-  Award-Winning Competitions like ISTE Best Project, Smart Bus System, and Doc to You
-  Internships at NLC, Tidel Neo, and Software Logic Innovations
-  Hands-on Field Trips to IIITDM's Robotics & Vision Labs
-  Social Awareness Programs on Gender Equality and Financial Literacy

The graph above illustrates the overall activity levels month-by-month, showing peak engagement during the semester event months and internship cycles.

This year was more than just events — it was about growth, collaboration, and a passion for AI-driven change. As we move ahead, we remain committed to nurturing innovative minds, fostering leadership, and embracing technological transformation.



THANK YOU

FOR JOINING US IN THE
WORLD OF AI & ML

INNOVATE.
INSPIRE.
IMPACT.

IFET College of Engineering

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