



Sri Sharada Peetham, Sringeri
Jyothy Charitable Trust

AI THINKLET

2024-25 (AUG-JAN)

DEPARTMENT OF
**ARTIFICIAL INTELLIGENCE
& MACHINE LEARNING**



INFORMATION. INNOVATION. INSPIRATION

VISION

To transform students into responsible citizens and competent professional by creating environment conductivity to disseminate the knowledge in area of artificial intelligence and machine learning

MISSION

M1: To provide an environment that fosters innovation, creativity, and team spirit.

M2 : To cultivate a culture of high professional ethics, integrity, and transparency.

M3: To impart quality education and promote cutting-edge research in the field of Artificial Intelligence and Machine Learning.

M4: To develop professionals with strong leadership qualities capable of delivering sustainable solutions to global challenges.

TABLE OF CONTENTS

- Message from HOD
- Editor's Note
- Faculty List
- Vision and Mission
- Technical Talks
- Industrial Visit
- Paper Publication
- Book Chapter
- Faculty Development Program
- Sports Achievement



Dr. Madhu B R
Professor and Head

Message from the HOD

I am extremely happy that THINKLET 2024–25 (September - January) is being released. The magazine is a means for students and faculty to exhibit their creative skills. It provides a vibrant platform for sharing their technical knowledge and innovative ideas. The faculty of the department leaves no stone unturned in nurturing the students to express themselves within and outside of their classes.

The department's endeavors produce confident professionals, tuned to a real-time working environment. Students actively team up with the faculty to work on collaborative projects, from which they tend to imbibe the required skills and benefit a lot from their understanding of current opportunities and challenges while developing new technologies within the realm of information science. The magazine serves as a testament to their dedication and passion for learning, fostering an environment where curiosity thrives. It not only showcases academic excellence but also highlights the department's commitment to holistic development, encouraging students to explore, innovate, and push the boundaries of knowledge.

EDITOR'S NOTE



Mrs. Deepti Das V
Assistant Professor

Dear Readers,

It is with great pride and excitement that I present to you this edition of our Department of AIML Magazine. This magazine stands as a reflection of our department's vision—where innovation meets execution, learning meets impact, and ideas evolve into real-world solutions.

Information Science & Engineering is not just a discipline—it is the foundation of the technologies shaping today's world. From intelligent systems and data-driven decisions to cybersecurity, software engineering, and emerging innovations, our department continues to inspire a culture of curiosity, creativity, and excellence.

This edition captures the collective efforts of our students and faculty—highlighting academic brilliance, technical achievements, research contributions, projects, events, and the vibrant departmental spirit that binds us together. Every article represents a step forward in our journey of growth, discovery, and transformation.

I extend my sincere gratitude to our faculty members, contributors, and the entire editorial team whose dedication and hard work have made this magazine possible. Their commitment has helped shape a publication that truly represents the identity and ambitions of our department.

With warm regards,
Mrs. Deepti Das V
Assistant Professor
Editor | Department of AIML
Jyothy Institute of Technology

Teaching Faculty

NAME	DESIGNATION	QUALIFICATION
Dr. Madhu B R	Professor and Head	Ph.D
Dr. Manjunath H R	Associate Professor	Ph.D
Dr. Soumya K N	Associate Professor	Ph.D
Mrs. Ramya B N	Assistant Professor	M.Tech
Mr. S Vinodh Kumar	Assistant Professor	M.Tech., (Ph.D)
Mr.Praveen R	Assistant Professor	M.Tech., (Ph.D)
Mrs. Archana V R	Assistant Professor	M.Tech
Mrs. Deepti Das V	Assistant Professor	M.Tech

Non Teaching Faculty

NAME	DESIGNATION
Ms. Meghana C M	Second Divisional Clerk

PROJECT EXHIBITION

The project exhibition competition for the final year students was held on 6th May 2024. The competition was held department wise. The juries were drawn from industry.



AIJYOTHY

A batch of students with the Head AIML and one of the faculty from the CSE dept developed this product AIJYOTHY. This is used to ask questions by students and the device will search the databases and get the correct answer.

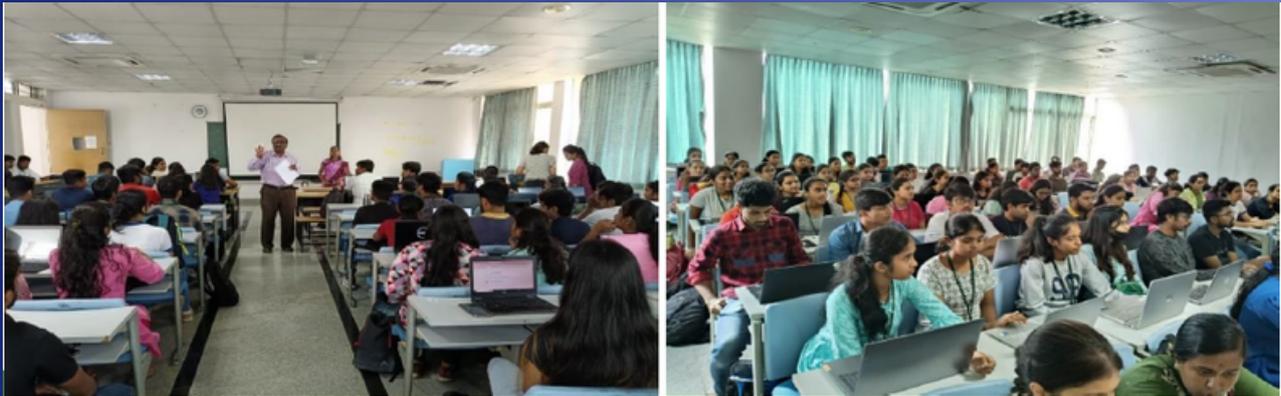




Industrial visit of AIML students to U R RAO Satellite Centre (URSC)

The Dept of AI & ML organized a one-day industrial visit to URSC to provide participants with an in-depth understanding of satellite development and the various technologies involved in space missions. The purpose of our industrial visit to ISRO Bangalore was to gain firsthand knowledge and insights into the functioning of one of the world's leading space research organizations.

CSI Coding Challenge for 4 Semester students The CSI Coding Challenge for 4th-semester students of CSE, ISE, and AIML was held on May 23, 2024, with participation from 65 teams, each consisting of two students. Coordinated by Prof. Nagaraj A. (CSE), Prof. Manjesh B. N. (ISE), and Prof. Ushasri (AIML), the event required students to solve two out of three provided problems using C, Java, or Python. Starting at 09:30 hours and concluding at 13:00 hours, the challenge fostered critical thinking and problem-solving skills, with students thoroughly enjoying the experience.



CSI Coding Challenge for 6 Semester students The CSI Coding Challenge for 6th-semester students of CSE, ISE, and AIML was held on May 28, 2024, with 25 teams, each consisting of two students, participating. Coordinated by Prof. Nagaraj A. (CSE), Prof. Manjesh B. N. (ISE), and Prof. Ushasri (AI ML), the event tasked students with solving a real-time problem scenario from 09:30 to 14:00 hours. Students utilized their problem-solving skills and enjoyed tackling the given challenge.



Empowering Future Leaders: Women Entrepreneurship Program at AIC, Jyothy Institute of Technology

A remarkable Women Entrepreneurship Program was organized by AIC, Jyothy led by Kristeena Grover ma'am on 4th – 5th June, 2024. Five dedicated students – Diya K Bhat (1JT22AI012), Monisha Bharadwaj M H (1JT22AI062), Asritha Y (1JT22AI005), Thanmayi B (1JT22AI053) and Monisha SP (1JT22AI030) enthusiastically participated. They were introduced to the basics of entrepreneurship, including idea generation, business planning, and market analysis. The program provided a dynamic learning environment where our students interacted with successful entrepreneurs and industry experts. The students of 4th semester AIML showcased exceptional dedication and innovative ideas throughout the workshops and discussions. A special thank you goes to Dr. Anantha Prasad for his unwavering support and encouragement, which played a crucial role in the program's success. His guidance and mentorship were invaluable to our students.



Project Exhibition

AI & ML Department Project Exhibition 2024 A Showcase of Innovation

DDC project report (3rd semester) On March 5th, the Digital Design and Computer Organization course, led by Professor Ramya B.S., hosted a project exhibition featuring 12 teams of 3rd-semester AIML students. The event focused on practical, hands-on activities rather than traditional presentations, allowing visitors to explore digital design and computer organization concepts through interactive displays.

Project List:

Group No.	Name of Project
1	Automatic Smart Toll Tax Collection
2	Density based traffic management system
3	Automatic water dispenser
4	Water level sensor
5	Smart dustbin
6	Traffic Light Controller
7	Automated Fan based on temperature
8	Smart knock door detector
9	Voice Control Motor
10	Motion Controlled motor
11	Motion Controlled light
12	Air Quality system

The exhibition provided a valuable platform for students to apply their theoretical knowledge to practical applications, develop design and problem-solving skills, enhance communication and presentation abilities, and receive feedback from peers and instructors.

