Sri Sharada Peetham, Sringeri
Jyothy Charitable Trust

AI
THINKLET
2023-24 (AUG - JAN)

DEPARTMENT OF
**ARTICIAL INTELLIGENCE
& MACHINE LEARNING**

JYOTHY INSTITUTE OF TECHNOLOGY

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.

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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

Training and Workshop

Under the mentorship of VishnuPriya , the students of 3rd semester AIML completed a two-week Skill Training program covering Core Python, Numpy, Pandas, Matplotlib, Exploratory Data Analysis (EDA), Applied Statistics, and Machine Learning.

Interactive sessions with hands-on exercises allowed students to apply theoretical concepts in practical scenarios. The curriculum provided a solid foundation in data science and machine learning, with Core Python for programming basics, Numpy and Pandas for data manipulation, Matplotlib for data visualization, EDA for insights, and Applied Statistics and Machine Learning for real-world problem-solving. The collaborative environment fostered active participation, discussions, and group projects, enhancing technical skills and teamwork.

Paper Publication

- Prof. Madhu B R published a paper titled "Action Detection for Sign Language Using Machine Learning" co-authored by ASS Urs, VB Raj, S Pooja, and V Kumar in the 2023 International Conference on Network, Multimedia and Information 2023.

- Prof. Madhu B R published a paper titled "2D Mapping and Exploration Using Autonomous Robot" co-authored by N. Shravan, M. Manoj Kumar, Sriraag Jayanth, R. S. Bindu, and K. S. Sreekeshava in the International Conference on Emerging Research in Computing, Information 2023.

- Prof. Ramya B N published a paper titled "A Novel Approach for Monitoring the Freshness of Vegetables Under Storage Using Internet of Things and Machine Learning in Varying Temperature Conditions" at the 2023 International Conference on Data Science and Network Security (ICDSNS), Tiptur, India, 2023.

- Prof.Ramya B N, co-authored by Shruthi S K published a paper titled "T5-Precis: Concise And Precise Text Summarization" in the International Journal of Research Publication and Reviews, Vol 4, 2023. DOI: 11-12-2023

- Prof.Ramya B N, co-authored by Pooja S and Prasanna Kumar K, published a paper titled "Exploring Customer Sentiments Through Machine Learning: A Product Review Analysis" in the Scienxt Journal of Artificial Intelligence and Machine Learning, 2023.

- Prof.Ramya B N, co-authored by Lithin Reddy J and others,published a paper titled "Weather Forecasting of Seattle Weather Using Machine Learning" in the ScieNXT journal, 2023.

- Prof. Ramya B N published a paper titled "A Novel Approach to Implement Binarized Neural Network to Enhance Accuracy Using Machine Learning Techniques", co-authored by Dr. Seema Singh, in SN Computer Science, Vol 4,2023.

Faculty Development Program

•Prof. S Vinodh Kumar participated in the 10 Hours National Faculty Development Program on "ChatGPT and Prompt Engineering", organized by Bharati Vidyapeeth College of Engineering - Navi Mumbai, NRI Institute of Technology Vijayawada, and Sreenidhi Institute of Science & Technology - Hyderabad in collaboration with ExcelR Edtech Pvt. Ltd.(Date: 18th December to 22nd December 2023.)

•Prof. S Vinodh Kumar successfully participated in the Two Weeks International Faculty Development Program on "Big Data Analytics", organized by the Department of Information Technology, VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, in collaboration with ExcelR Edtech Pvt. Ltd.(Duration: 4th December to 15th December 2023.)

Sports Achievement

Achievement in Table Tennis: Dr. Madhu B R shines at International tournament We are proud to announce that our esteemed Head of Department, Dr. Madhu B R, has achieved a remarkable milestone by securing the first prize in the International Staff Tournament held at PES University. Dr. Madhu's outstanding performance in table tennis exemplifies dedication, skill, and sportsmanship, bringing honour not only to our department but also to the entire institution. This victory is a testament to his unwavering commitment to excellence, both on and off the field. Congratulations, Dr. Madhu B R, on this well-deserved accolade!

Students Achievements

- Aryan student of 4 th semester AIML participated in DBIT "Web design" competition and he was the runner up.
- Mayur N and J Sanjana, students of 4 th semester AIML participated in 36-hour hackathon HackToFuture 2.0 held at St. Joseph Engineering college, Mangalore.
- Jahnavi P (1JT21AI017) and K Jahnavi (1JT21AI019) from the dept of AIML 6 th semester and winners at the VTU Inter-Collegiate Bengaluru South Zone Throwball (Women) Tournament 2024.
- The students of AIML reached the quarter finals in cricket in which they took 3 wickets and scored 29 in quarter finals.
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