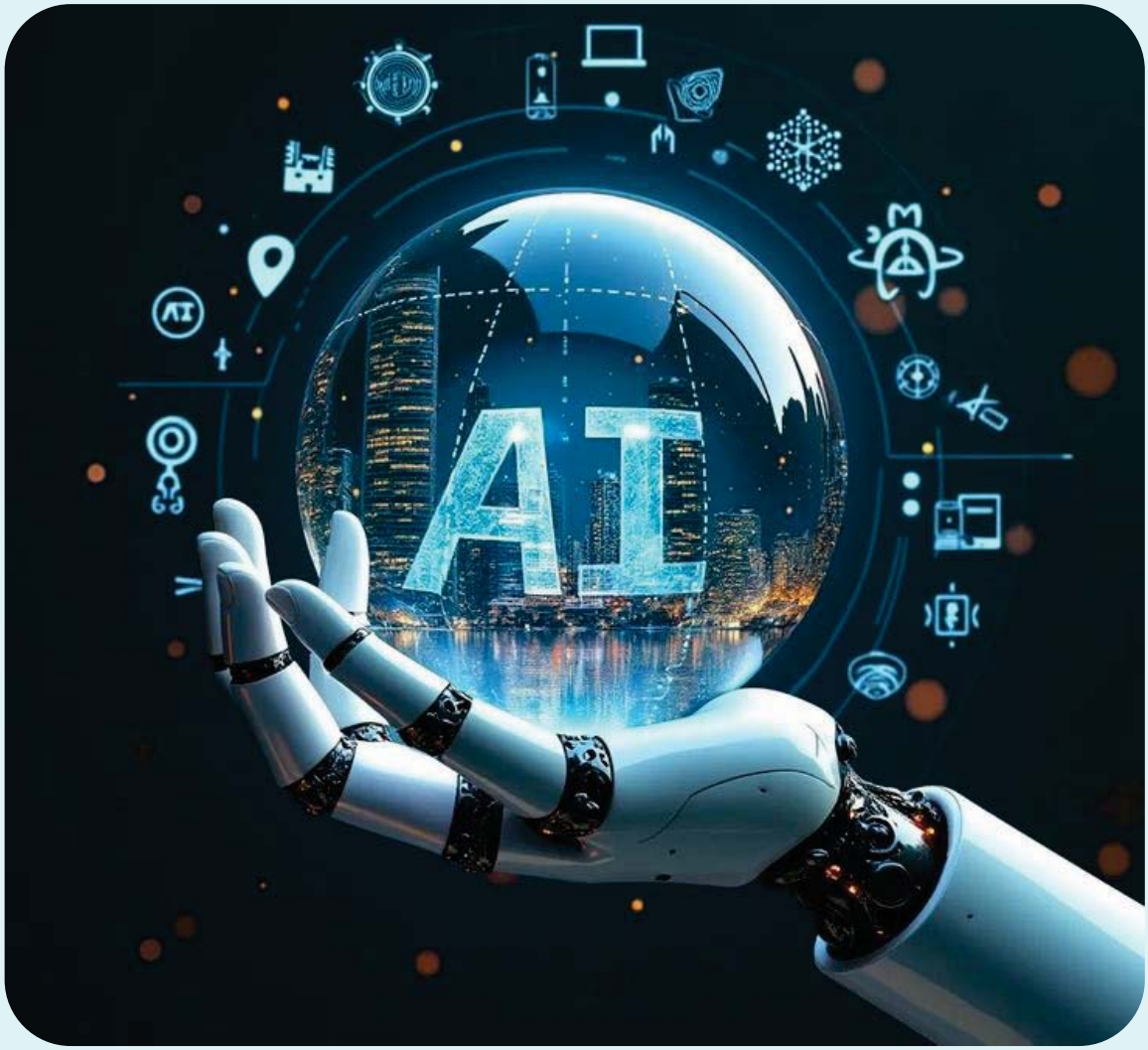
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NEWSLETTER

Volume: 14 Issue: 1

2024-2025 (June 2024 – December 2024)



SIDDHARTHA ACADEMY OF HIGHER EDUCATION

An Institution DEEMED TO BE UNIVERSITY

(Under Section 3 of UGC Act, 1956)

(Sponsored by Siddhartha Academy of General & Technical Education), Vijayawada, A.P.

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Prof. & HOD: CSE Dept.

About CSE Department

The Department of Computer Science and Engineering was established in the year 1985 with its cohesive team of faculty members, offers a sound program at the UG as well as the PG levels. The curriculum is a blend of the conventional and the radical. It is updated regularly to keep up with the growing demands and the changing trends of the software industry and research laboratories. Also Department has a thriving research environment with active research groups in the areas of Bioinformatics, Data and Web Mining, Information and System Security, Computer Networks, Digital Image Processing and Video Analytics.

Sponsored Research and Development Projects

1. Dr. Ashutosh Satapathy received funding for the project "Development of an IoT-enabled River Cleaning Robot for Removal of Floating Debris AURA20250331180912" from AICTE AURA, a governmental agency. The project spans two years and received Rs 2,00,000/- on 7th October 2024.
2. Dr. S. Vasavi received funding for the project "Development of Compressive Sensing Techniques for SAR ISRO/RES/3/1050/24-25" from ISRO SAC, a governmental agency. The project duration is two years and received Rs 18,17,726/- on 27th December 2024.

Faculty Improved Qualifications:01

1. P. Sukanya, Assistant Professor awarded PhD from VIT-AP University Amaravati in August 2024. Title of the thesis is A Methodical Investigation of Parkinson's Disease Severity Assessment through analysis of MRI images using Enhanced Deep learning approach.
2. S. Asha Varma, Assistant Professor awarded PhD from VIT-AP University Amaravati in September 2024. Title of the thesis is The Anomaly Based Ids Frameworks For Multilevel Dynamic DDos Attack Detection In Cloud Environment.
3. K. Keerthi, Assistant Professor awarded PhD from KL University Guntur in November 2024. Title of the thesis is Optimizing smart agriculture system with integrated ML and DL Approach.

Faculty Submited Ph.D Thesis:01

1. Mr. J. V. D. Prasad submitted Thesis on Multi model deep learning approaches for optimized land cover detection in remote sensing imagery in Acharya Nagarjuna University, Guntur.

MoUs Signed

1. A Memorandum of Understanding (MoU) was signed with the Data stride Analytics pvt ltd (DSA),Bangalore on 5th August 2024.
2. A Memorandum of Understanding (MoU) was signed with Blue cloud Softech solutions Ltd(BCSS), Bangalore on 16th October 2024.
3. A Memorandum of Understanding (MoU) was signed with Quinfo systems private limited , Hyderabad on 11th November 2024.

Patent Filed

1. Dr. Ch. Rupa filed a utility patent on 11th July 2024 titled "An Augmented Reality-Based Method for Exploring and Preserving the Weaving Heritage of Sarees"(reference number 202441052952)
2. Dr. Ravi Sankar Puppala filed a utility patent on 27th November 2024 titled " Tiget tracking and classification system using deep learning and edge device integration"(reference number 202441092508).
3. Dr. K. Gunasekaran,Dr. T. Meena and Dr P. Dhanavanthini filed a utility patent on 27th December 2024 titled "Machine Learning-Driven Health Risk Prediction Tool for Obesity and Lifestyle-Related Diseases" (reference number 202441103720).

Faculty Achievements:

- Dr. Ch. Rupa was recognized in the Global Top 2% of Scientists by Elsevier–Stanford University in 2024.
- Dr. K. Suvarna Vani served as a Session Chair for the International Conference at Siddhartha Academy of Higher Education from 18th to 19th July 2024.
- Dr. Ch. Rupa received the Best Paper Award at the International Conference on Analytics and Insights-2024, held at Techno International New Town from 25th to 27th July 2024.
- Dr. Ashutosh Satapathy served as a Course Trainer on Neuromorphic Engineering at K-Combinator, Manteca-95336, USA, on 30th July 2024.
- S. Rajesh received a Certificate of Appreciation from SWAYAM NPTEL, Local Chapter , from July -December 2024.





- Dr. K. Srinivas, Professor of CSE, received the University Appreciation Award for Teachers from Jawaharlal Nehru Technological University, Kakinada, on 20th August 2024.



- Mr.Mukesh Chinta received the Instructor Excellence – Expert Award from Cisco Networking Academy in 2024, for expert-level instructional delivery and outstanding contributions to the success of its student.



- Dr. P. Ramesh Kumar served as a Session Chair at ICDCS 2024, held in New Jersey, USA, on 23rd July 2024.
- Dr. S. Vasavi served as a Session Chair at the IEEE International Conference on Frontiers of Signal Processing (ICFSP 2024), held in Paris from 12th to 14th September 2024.



- Dr. Ch. Rupa received the Excellence in Research Contribution Award from the Council for Skill and Competencies on 5th October 2024.
- Dr. K. L. Sailaja received a Certificate of Appreciation from the Director General, AP State Disaster Response and Fire Services, in November 2024.
- Dr. K. L. Sailaja received a Certificate of Appreciation from APSDPS, Vijayawada, in December 2024.
- Dr. K. Gunasekaran was recognized as a Wipro Certified Faculty by Wipro Technologies on 2nd December 2024.
- Dr. S. Vasavi received the Indian Women Achievers Award in the Category of Excellence, STEM 2024, on 15th December 2024.



Department Workshops/Guest Lectures/FDP Organized

- **Workshop on AWS Cloud Computing**

A one-week training program on "AWS Cloud Computing" was conducted from 22nd to 27th July 2024 by Mrs. B. Sumana, Executive Technical Trainer, APSSDC, for academia and industry participants.

- **Workshop on Harnessing Machine Learning for Cutting-Edge Image Processing**

A three-day industry workshop on "Harnessing Machine Learning for Cutting-Edge Image Processing" was conducted from 29th to 31st July 2024 by Mr. K. Saketh Reddy, Codegnan IT Solutions Pvt. Ltd.

- **Guest Talk: Government Job Opportunities through GATE:**

A one-day session on "Government Job Opportunities through GATE" was conducted on 5th August 2024 by Mr. Vineeth Gupta, JE, MSEB, Maharashtra, for government and industry participants.

- **Workshop : SIA: Unified Artificial Intelligence for Social Impact Assessment:**

Conducted a one-day industry workshop on "SIA: Unified Artificial Intelligence for Social Impact Assessment," 6th August 2024, organized by Data stride Analytics Pvt. Ltd. (DSA), Bengaluru.

- **Work Shop: Blockchain Technologies and Applications:**

Conducted a Two-day industry workshop on "Blockchain Technologies and Applications," conducted on 16th–17th August 2024 by Mr. Talasila Ram Kumar, Senior Project Manager, Aditi Software, Hyderabad.

- **Guest Talk: Desirable Skillest for Engineers- An Industry Perspective:**

A one-day industry session was organized on 17th August 2024, featuring Mr. Vallurupalli Srinivas, Senior Technical Leader at CISCO Systems, San Jose, California, USA. The session provided valuable insights into the essential skills engineers must acquire to meet current industry expectations and future challenges.

- **Guest Talk: Role of Cyber Security in the Modern Digital World:**

A one-day industry workshop was held on 16th October 2024, led by Mr. Vinod Babu Bollikonda, Chief Technology Officer, Blue Cloud Softech Solutions, Hyderabad. The session highlighted the growing importance of cyber security in safeguarding digital infrastructure and provided practical insights into modern security practices.

- **Workshop: Innovation & Enterpreneurship Bootcamp**

A two-day Innovation & Entrepreneurship Bootcamp was conducted on 22nd–23rd October 2024 by Dr. Krovi Raja Sekhar, CEO of Hatch Lab Research Center & Professor, and Mr. Gopi Krishna Ratnakaran, Founder and CEO of APi R2 Innovarsity.

- **Workshop: Quantum Computing & Applications**

A one-day workshop on “Quantum Computing & Applications” was conducted on 11th November 2024 by Dr. Maheswara Rao Valluri, Founder and Chief Scientist, Quinfosys, Hyderabad.

- **Faculty Development Program: Block Chain-Enabled IoT Networks with AI-Driven Automation: Transforming Smart Ecosystems for a Decentralized Future**

Block Chain-Enabled IoT Networks with AI-Driven Automation: Transforming Smart Ecosystems for a Decentralized Future” was conducted from 2nd to 7th December 2024 by Dr. Dharavath Ramesh, Associate Professor, Senior Member IEEE, Senior Member ACM, MISTE, IAENG, IIT Dhanbad

Students Achievements

- B. Prudhvi Narayana of 4/4 B.Tech got Best Paper Award for his presentation on Spectral Reflectance of Indian Ocean Surface to Detect Blue Whales using VHRS Images @ IEEE international Conference on Computational, Communication and Information Technology.
- B. Prudhvi Narayana of 4/4 B.Tech got Best Paper Award for his presentation on Spectral Reflectance of Indian Ocean Surface to Detect Blue Whales using VHRS Images @ IEEE international Conference on Computational, Communication and Information Technology.
- C Harika III/IV B.Tech 2nd Runner Up National Level 24-hour VJ Hackathon VNR Vignana Jyothi Institute of Engineering And Technology Hyderabad on 29-10-2024.



- Vanapalli Satya Sumanth and NGV Saitej, IV/IV B.Tech, won 2nd Prize at VIT-AP Innovation Knowledge Acquisition Summit 2024 (V.I.K.A.S.-24) held on 9 November 2024 in collaboration with FAPSIA &NRDC at VIT-AP.



- P. Praneeth, N. Saketh, J. Narendra, M. Niveditha, P. Divya Monika, P. Manoj, D. Neha of ¾ B.Tech AI&DS won 2nd Position in SAAS Domain at TECHXCELERATE Hackathon 2024 Nov–Dec 2024, BITS Pilani.



- S. Hanish Venkat of 4/4 B.Tech bagged second prize with a cash reward of 30,000/- @ SparkTank 2024 organized by Vishnu Institute of Technology. .



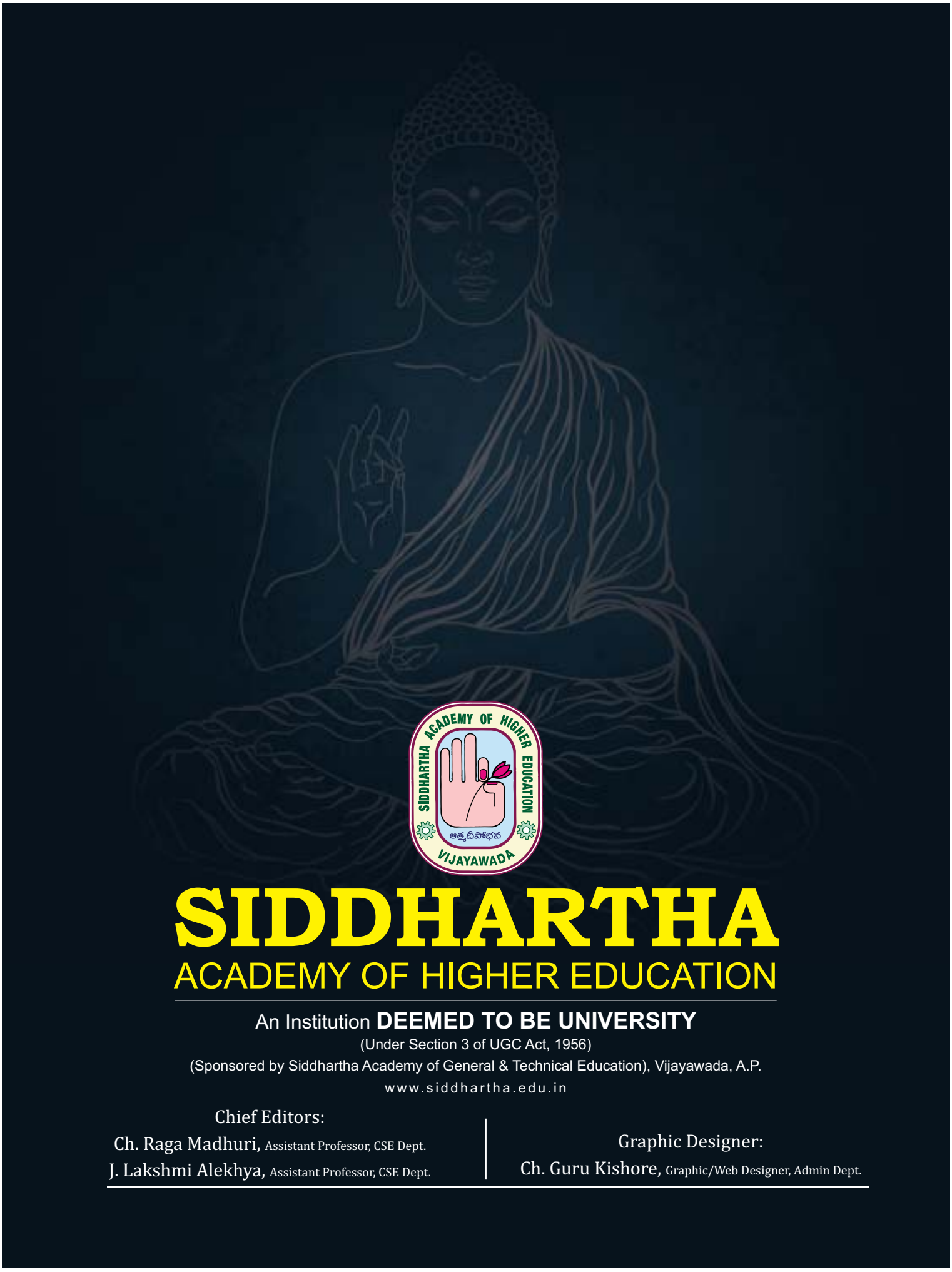
- A Manikanta of II/II B.Tech II Position (Javelin Throw (Men)) JNTU Central Inter Collegiate Athletics Man & women Championship 2024-25 at Aditya college of engineering & Technology Kakinada on 11-12 November 2024



- A Manikanta of II/II B.Tech III Position (Shotput (Men)) JNTU Central Inter Collegiate Athletics Man & women Championship 2024-25 at Aditya college of engineering & Technology Kakinada on 11-12 November 2024



- B.RUSHIL SAI (CAPTAIN) AIML-II/IV B.Tech D.L.Aditya (VICE CAPTAIN) CSE- III/IV B.Tech T.RISHITH CSE- II/IV B.Tech and K.JASWANTH CSE- II/IV B.Tech bagged 2nd place in JNTUK Inter collegiate chess tournament held at PSCMR college on 14-11-2024
- B. Rushil Sai, D.L. Aditya, T. Rishith, K. Jaswanth, M. Jaideep won 2nd Prize at JNTUK Inter Collegiate Chess Tournament (14 November 2024, PSCMR College).
- Karedla Gopi Sri Harsha & Shaik Altaf Hussain – Fellowship completion from IIT Tirupati Navavishkar I-Hub Foundation, DST (30 December 2024).
- Thottempudi Kokila (AI&DS) & Polukonda Kalyani of Final Year B.Tech – Fellowship completion from IIT Tirupati Navavishkar I-Hub Foundation, DST (30 December 2024).



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