

Department of Information Technology

Newsletter

The Vision of the department is:

"To produce high potential Information Technology professionals for the society".

The Mission of the department is:

- To Nurture the graduates interpersonal, intrapersonal, technical and entrepreneurial skills.
- To Equip the graduates with the knowledge and skills required to contribute significantly to the industry.
- To Develop applications to solve socio and economic problems.

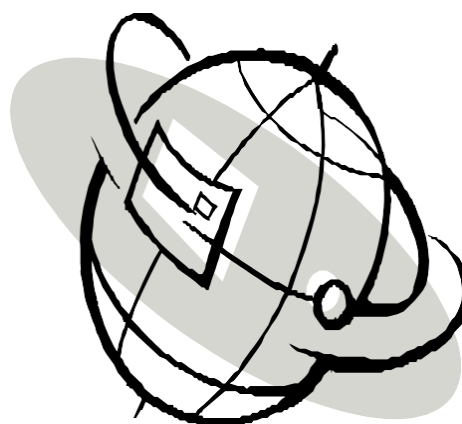
Program Educational Objectives (PEO's)

PEOs of the program are articulated as:
Graduates will

PEO 1: have a thorough knowledge in fundamental areas of mathematics, engineering sciences, basic sciences and computer science to solve the practical and useful problems.

PEO 2: become successful professionals with analytical, design and laboratory skills along with effective communication and collaborative skills.

PEO 3: understand the ethical, social, and global issues associated with the computing field.



Industrial Research Projects in progress

- Research project on ‘Attendance management system based on face recognition’ of Dr.V.Sesha Srinivas is in progress.
- Research project on ‘Hiding E-Maps using image steganography’ of Dr. M. Pompapathi is in progress.

Patent Grant

- Surendar Rama Sitaraman, A.Sampath Dakshina Murthy, Venkata Kishore Kumar Rejeti, Jaladi N Chandra Sekhar, Kotha Chandana, Patil Mounica, received a copyright patent grant on ‘Hybrid deep learning and machine learning framework for image-based diagnostics’, Registration Number:1220731, Sep. 02, 2024.

Guest Lectures Organized

- A guest lecture on ‘Oracle Digital Assistant: Enhancing Enterprise Operations through AI’ by Pavan Kumar Bheema, Tech Lead at Oracle and Santhi Kondabolu Project Portfolio Management at Oracle Corporation, Hyderabad, was organized for III/IV, B.Tech., IT students on Aug. 19, 2024.
- A guest lecture on ‘Introduction to AI and Gen AI’ by Aarushi Akshaya Rajesh Associate Cloud Solutions Engineering at Oracle Corporation, Hyderabad, was organized for III/IV, B.Tech., IT students on Aug. 21, 2024.
- A guest lecture on ‘Containers’ by Aarushi Mishra Full Stack developer at Oracle Corporation, Hyderabad, was organized for III/IV, B.Tech., IT students on Aug. 22, 2024.
- A guest lecture on ‘Automation Testing – Selenium’ by Gaurav Prakash, Selenium Certified Software Development Engineer in Test, Oracle Corporation, Hyderabad, was organized for III/IV, B.Tech., IT students on Aug. 23, 2024.

Awards/Appreciation

- Dr.A.Srikrishna was awarded Best Women Engineering Teacher for her services in education by ISTE Andhra Pradesh on Oct. 25, 2024.



Research Paper Publications

- G. Reshma, Sudarshan Tumkunta, T.Gayathri, T.V. Hyma Lakshmi, N. Neelima, Garigipati Rama Krishna, Borra Bhavitha, 'Empirical Investigations to Predict Stock Price Using Regression to Improve the Trends of Information Technology', Journal of Theoretical and Applied Information Technology, Vol: 102, Issue: 24, pp: 9166–9172, ISSN: 1992-8645, Date: 31.12.2024. (Scopus Indexed)
- S. Sai Kumar, Surya Prasada Rao Borra, Yaswanth Kumar Alapati, Udaya Bhanu, K. Ramesh Chandra, Bakkala Santha Kumar, 'Empirical Soundings To Facial Countenance Recognition Using CNN', Journal of Theoretical and Applied Information Technology, Vol.102. Issue: 24, ISSN: 1992-8645, Date: 31.12.2024. (Scopus Indexed)
- Sunitha Mandava, Silpa Mandava, Bathula Santhi Kiran, Gowrisankar Kalakoti, Manasa Bandlamudi, Kotha Chandana, 'Design of Frequency Reconfigurable Quadruple Band Notched Ultra-Wideband Antenna', Progress in Electromagnetics Research C, Vol: 150, pp: 27–36, ISSN: 1559-8985, Date: 11.06.2024, DOI: <https://doi.org/10.2528/PIERC24092306>. (Scopus Indexed)
- Krishna Mohan Bhashyam, Pulicherla Padmaja, Purnachandrarao. M, Nagamalleswararao.P, 'Quantum Machine Learning: Bridging The Gap Between Classical And Quantum Computing', Journal of Engineering and Technology for

Industrial Applications, Vol: 10, Issue: 48, pp: 122-128, ISSN: 2447-0228, Date: 30.08.2024. (Scopus Indexed)

- Talluri Sunil Kumar, P.Jyothi, Rajesh Kumar Verma, Padmini Debbarma, N.V.S.Pavan Kumar, I.Naga Padmaja, Hymavathi Thottathyl, M.Sathish Kumar, 'Enhancing Cyber Attack Detection In Network Traffic Using Adaptive Regression Techniques', Journal of Theoretical and Applied Information Technology, Vol: 102, No.23, pp: 8655-8664, ISSN: 1992-8645, Date: 15.12.2024. (Scopus Indexed)

Paper Presentations in Conferences

- S.Neelima, Kalyankumar Dasari, A.Lakshmanarao, Peluru Janardhana Rao, Madhan Kumar Jetty, 'An Efficient Deep Learning framework with CNN and RBM for Native Speech to Text Translation', 3rd International Conference for Advancement in Technology (ICONAT), Goa, Sep. 13-14, 2024.(Scopus Indexed)

NPTEL Courses Completed

- J.Madhan Kumar completed NPTEL course 'Python for Data Science', offered by IIT Madras, during Jul – Aug. 2024.

Conferences/Workshops/Webinars/FDPs Attended

- A.Yaswanth Kumar, six day online FDP on 'Security Trends in Artificial Intelligence', Department of CSE (AI&ML), St.Peter's Engineering College, Jul. 01-06, 2024.
- J.Madhan Kumar, six day online FDP on 'ETL-KAFKA/TALEND', Department of CSE (AI&ML) Guru Nanak Institute of Technical Campus, Hyderabad, Jul. 01-06, 2024.
- B.Hemantha Kumar, V.Sesha Srinivas, A.Yaswanth Kumar, N.Neelima, V.Venkata Srinivas, K.Chandana, J.Madhan Kumar, five day online FDP on 'Exploring Computational Intelligence', School of Computer Science Engineering, VIT-AP University, Jul. 16-20, 2024.
- B.Hemantha Kumar, V.Sesha Srinivas, G.Swetha, B.Manasa, V.Venkata Srinivas, K.Chandana, J.Madhan Kumar, three day FDP on 'Generative AI tools for Research and Academic Excellence', Dept.of CSE, RVRJCCE, Aug. 27-28, 2024.
- I.Naga Padmaja, one week online FDP on 'Data Science and Machine Learning Applications for Engineering and Sciences', Dept.of IT, Shri Vishnu Engineering College for Women, Bhimavaram, Oct. 21-27, 2024.

- B.Hemantha Kumar, B.Satish Babu, 15 day online FDP on ‘Generative AI and Prompt Engineering’, 360DigiTMG, India in association with APSSDC, Dec. 09–24, 2024.

PhD Awarded Under Faculty Guidance

- **Under the guidance of Prof.A.Srikrishna, RVRJCCE, one Ph.D was awarded:**
 1. **N.Neelima** was awarded doctorate degree in December, 2024 from JNTUH. The title of the thesis was ‘Skeleton Based Shape Representation for Object Recognition’.

Student Activities/Chapters

- InformaTrix club organized two day programming contest, ‘Code A Thon-2024’, Aug. 23-24, 2024. The contest was open for all the branches of engineering. Nearly 360 students participated in prelims, out of these 32 teams shortlisted for mains. Cash prize worth Rs.3,000/- was distributed for winners.
- Intra Departmental Coding Contest (IDCC) club was conducted coding contest on Aug. 20, 2024. Cash prizes worth Rs.3,250/- was distributed for winners.



Faculty Recruitment

- U.Navya Tejaswi joined as Computer Operator in the department, November 2024.