

Department of Computer Science & Engineering

CSEPULSE

Bi-Monthly News Letter
(December - January)

2024 - 25

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Editorial Board

<u>Name</u>	<u>Designation</u>	<u>Role</u>	<u>Department</u>
Mrs. P. Shanthi Priya	Assoc. Professor	Chief Editor	CSE
Mrs. S. Radhika	Asst. Professor	Editor	CSE
Mr. S. Naveen	Student	Coordinator	IV-CSE
Ms. Vaishnavi	Student	Coordinator	IV-IT
Mr. G. Sai Sathvik	Student	Coordinator	III-CSE

VISION & MISSION OF THE INSTITUTE

VISION

To be a premier institution ensuring globally competent and ethically strong professionals.

MISSION

1. To provide higher education by refining the traditional methods of teaching to make globally competent professionals.
2. To impart quality education by providing the state-of-the-art infrastructure and innovative research facilities.
3. To practice and promote high standards of professional ethics, transparency, and accountability.

VISION & MISSION OF THE DEPARTMENT

VISION

To be a center of excellence for creative and innovative Computer Science and Engineering graduates with strong programming skills, research, and industry- ready for building value-based society.

MISSION

1. Imparting the quality technical education through an effective teaching – learning process for producing global competent IT professionals with oral values.
2. Providing the state of the art infrastructure and ICT for Continuous innovative learning and research.
3. Undertake collaboration & Internship with industry to produce industry- ready graduates.

ABOUT THE DEPARTMENT

The department of Computer Science and Engineering was established in the year 2009. The growth of the Department of Computer Science & Engineering is taking strides in strength and in facilities every year. The blooming department is headed by Dr. K. Rameshwaraiah.

The Department is known for its reputed faculty having expertise in diverse fields. The students are primarily trained here to leverage computer software and hardware efficiently to provide them with a Bachelor's Degree in Computer Science. The students of the department actively participate in co- curricular and extra-curricular activities. Tech Samprathi is an informal association of students and faculty of CSE. It conducts various technical events to benefit students in academic and technical skills.

The teaching staff members are dedicated and determined to learn new things and never hesitate to give their best at all the times. Department has 6 computer centers for UG students and 1 Elite Research and Development center apart from labs provided for other branches. All the computers in computer centers are connected via LAN.

The Department is known for its eminent faculty having expertise in diverse fields. The students are primarily trained here to leverage computer software and hardware efficiently.

The main motto of the Department is to bridge the gap between industry and institution and produce industry required tailor-made engineers.

SALIENT FEATURES:

Intake

The growth of the Department is taking strides in strengths and facilities every year.

- The Department offers a four-year course of Bachelors Degree B.Tech in Computer Science and Engineering with an intake of 300 seats.
- The Department offers a four-year course of Bachelors Degree B.Tech. in CSE (Data Science) as an aligned course with an intake of 120 seats, was established in the year 2021.
- The Department offers a four-year course for Bachelors Degree B. Tech. in CSE (Artificial Intelligence & Machine Learning) as an aligned course with an intake of 120 seats, was established in the year 2021.

Accreditations

- The Department is accredited by the National Board of Accreditation (NBA) in the year 2018 and further accredited in the year 2022.

Infrastructure

Department tailors industry required computer professionals to bridge the technological gap between Academia and Industry. It instigates the latest innovations in the new era of the world of computer science and the faculty enthusiastically involves in imparting programming roots of various technologies. Computer science and engineering comprise a total of nine computer labs with more than 400 high-end systems with software recommended by JNTUH and AICTE. UG & PG students are enforced to practice all the lab sessions in a LINUX environment.

Faculty

The teaching staff members are dedicated and determined to learn new things and never hesitate to give their best at all times. The department contains more than 40 faculty members including Professors, Associate Professors, and Assistant Professors. In addition to teaching faculty, we have non-faculty and system administrators. Department has 9 computer centers for UG students and 1 Elite Research and Development center apart from labs provided for other branches. All the computers in computer centers are connected via LAN.

The teaching staff members are dedicated and determined to learn new Technologies, update their subject knowledge, and to give their best all the time. The department enforced association with professional societies like IEEE, CSI, ISTE, etc.

The department of CSE is having an academic alliance with ORACLE Academy, VM Ware, and DELL EMC.

FACULTY ACHIEVEMENTS

Patents

- Dr. A. Prashanthi, Published patent on "Block Chain-Assisted Explainable AI Model Validation System", Application no 202541004707 , published date : 31/01/2025
- Mrs V.Rani Sailaja, Mrs. Srivalli Revathi Published patent on " IOT Based pocket projector ", Application no .443890-001 , published date : 11/01/2025

Journal & Conference

- Dr.A.Prashanthi, published paper on " Ensemble Knowledge Distillation-Based Federated Learning For Effective Intrusion Detection In Heterogeneous Networks", in GIJET Journal with ISSN No.2395 -5295 Published in Jan 2025.
- Mrs. K.Prathyusha, presented conference paper on " sentiment analysis of web media using hybrid model with Ts and GPT-4 models" at International conference on recent trends in micro electronics, automation, computing and communication systems, from 19-21 Dec 24.

Workshops / FDP's Attended

- Dr. A. Prashanthi, has attended FDP on "Java Full Stack With React Js & Ai" conducted by Brain O Vision Solutions In-Association with AICTE, from 2nd to 22nd Dec 2024.
- Mr. T. Madhu, has attended FDP on "From Classical to Quantum: Machine Learning in the Era of Quantum Computing" conducted by AVN Institute of Engineering and Technology(ATAL), from 09th to 14th Dec 2024.
- Mrs. P.Haripriya, has attended FDP on "Smart IOT Solutions: ML, QC, and the cloud Eco system , A Hands on Approach " conducted by SR University, Warangal, from 26th Dec to 31st Dec 2024.
- Mr. Dr.K.Srinivasa Babu, has attended FDP on "Smart IOT Solutions: ML, QC and the cloud Eco system , A Hands on Approach" conducted by SR University, Warangal , from 26thDec to 31st Dec 2024.
- Mrs.K.Nandhini, as attended FDP on " Generative AI and its Multi domain Use Cases " conducted by VIT-Pune, from 2nd Dec 2024 to 6th Dec 2024.
- Mrs. B Lakshmi, as attended FDP on " Generative AI and its Multi domain Use Cases " conducted by VIT-Pune, from 2nd Dec 2024 to 6th Dec 2024.

- Mrs. P.Santhi Priya, as attended FDP on Real world AI applications: Bridging Academia and Industry” conducted by NIT Warangal, from 11th Dec 2024 to 20th Dec 2024.
- Mrs. M.Sonia, has attended FDP on “Data JAVA FULL STACK WITH REACT JS & AI” conducted by Brain O Vision Solutions In-Association with AICTE, from 2nd Dec to 22nd Dec 2024.
- Mrs. Rajani Bandaru, has attended FDP on “ Research Training ” conducted by MSME-(U.P), from 30th Dec 2024 to 30th Jan 2025.
- Dr. M Santhosh Kumar , has attended FDP on “High Performance Computing ” conducted by IIIT Nagpur, from 6th to 7th Jan 2025 .
- Mrs.P.Ashwini , has attended FDP on “Building web development solutions with cloud computing ” conducted by Aicte sponsored with Edunet, from 27th Jan 2025 to 31st Jan2025.
- Mrs.P.Ashwini , has attended FDP on “Future trends in deep learning and machine learning challenges and applications ” conducted by NIT-Warangal, from 6th January to 11th January 2025.
- Mrs P.Santhi Priya , has attended FDP on “Real world AI applications: Bridging Academia and Industry ” conducted by NIT Warangal, from 11th Dec 2024 to 20th Dec 2024 .
- Mrs.P.Santhi Priya , has attended FDP on “Explainable AI Frameworks ” conducted by AICTE Training and Learning (ATAL) Academy, from 20/01/2025 to 25/01/2025 .

STUDENT ACHIVEMENTS

HACKATHON Winners

Team of III CSE students G.Shiva Pranav Sai, A.Jaideep, A.Avinash, B.Ganesh Goud and B.Bhanu Prasad won third prize in Hackathon(Next in Tech) at BVRIT, Narsapur organized by GradRight in association with Lehigh University, USA.

Conference

- Mr. B. Sai Nithin (207Z1A0521) , Mr. E. Raghurama Chary(207Z1A0560), Mr. A.Bharath (207Z1A0505), published paper on "Dark Surfer-A Dark Pattern Analyzer & Classifier", in International Conference on Contemporary Pervasive Computational Intelligence (ICCPCI-2024) Journal with ISSN No. 20257401018 Published in 20th Dec 2024.
- Mrs. T. Tanu Sree (217Z1A05I1),Mrs. G. SaiChaitanya (227Z5A0508), RuthElizabeth(217Z1A05J1) , published paper on "Intelligent Transportation System Using Multi Stream Feature", in International Conference on Contemporary Pervasive Computational Intelligence (ICCPCI-2024) Journal with ISSN No. 20257403004 Published in 20th Dec 2024.
- Mrs. B. Sibmah Hadassah(217Z1A0518), Mr. D. Lokesh (217Z1A0553) published paper on " An NLP-Based, AI-Powered Intelligent Chatbot for Streamlining", in International Conference on Contemporary Pervasive Computational Intelligence (ICCPCI-2024) Journal with ISSN No. 20257401017 Published in 20th Dec 2024.

CO AND EXTRA CURRICULAR ACTIVITIES

INDUSTRIAL VISIT INFOSYS, POCHARAM

As per the Department Academic Plan, II Year CSE students attended an industrial visit to Infosys, Pocharam, on 27th January 2025. A total of 91 students were accompanied by three faculty members who facilitated and guided the students during the visit.

Ms. Simran Thakwani, Associate from the ETA Department of Infosys, conducted a very informative session for the students. She provided a brief introduction to Infosys and its various departments. She motivated the students to identify their areas of interest and guided them to focus on emerging technologies like Machine Learning and IoT, emphasizing the importance of developing strong coding skills essential for the current software market.

Later, Mr. Nivas, Head of Soft Skills - Campus Connect, explained the role of LinkedIn in shaping students' professional networks. He also provided insights into the Infosys Springboard Process, offering valuable guidance on resume building and highlighting the key skills companies expect from fresh graduates. Additionally, members of the Technical Team interacted with the students, providing an overview of UI (User Interface) concepts.

The session concluded with an interactive Q&A session, where students actively posed questions related to current in-demand technologies and market trends. Ms. Thakwani addressed all their queries, providing clear insights into the evolving IT landscape and helping students gain a better understanding of career prospects in the industry.

Student Feedback:

The students had a very positive experience during their visit to Infosys, supported by a cooperative coordinator. Most of the students expressed interest in seeing a demonstration of the industry workflow and suggested that more domain-specific industrial visits be arranged for future batches.

Through this visit, students gained valuable insights into current market trends, emerging technologies, placement selection criteria, and best practices followed at Infosys for project execution.

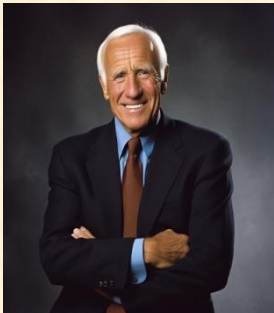
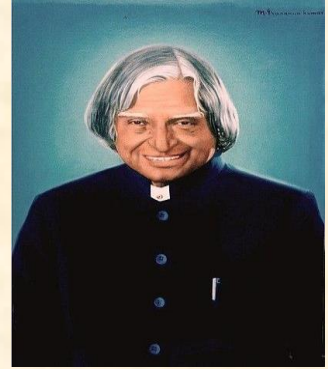
Action Taken:

The students were exposed to the real-time working processes at Infosys and the technologies currently used in the industry. Based on the students' feedback, the Program Assessment Committee (PAC) has decided to organize more domain-specific industrial visits and workshops focused on emerging and trending technologies.



“The power of concentration is the only key to the treasure-house of knowledge.”

- A.P.J Abdul Kalam



“Discipline is the bridge between goals and accomplishment.”

- Jim Rohn

“Education is not just about gathering knowledge, but more so about learning how to think.”

- Sandeep Maheshwari





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Near Narapally, Chowdariguda (V), Korremula 'X' Road, Ghatkesar (M),
Medchal-Malkajgiri (D), Hyderabad - 500088, Telangana.

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