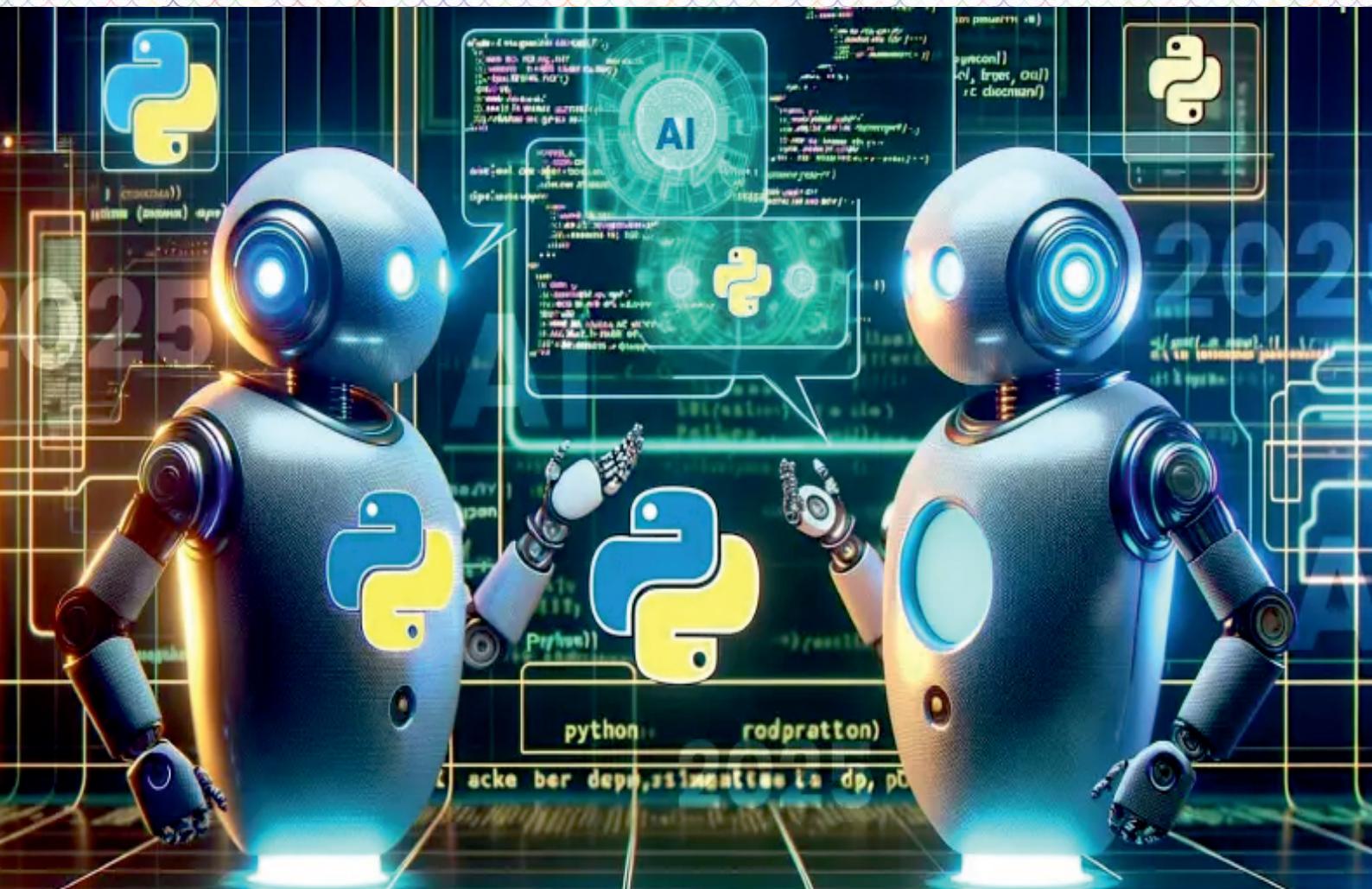


Department of Computer Science & Engineering

CSE PULSE

Bi-Monthly News Letter
(November - December)

2025-26



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Editorial Board

<u>Name</u>	<u>Designation</u>	<u>Role</u>	<u>Department</u>
Dr. P. Shanthi Priya	Assoc. Professor	Chief Editor	CSE
Mrs. S. Radhika	Asst. Professor	Editor	CSE
Mr.T.Siddartha	Student	Coordinator	IV CSE
Mr.V.Abhiram	Student	Coordinator	IV CSE
Mr. AlakantiBhavish	Student	Coordinator	III CSE
Ms.Vasishta	Student	Coordinator	III CSE
Mr. Belde Karthik	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 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 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 Bachelor's Degree (B.Tech) in Computer Science and Engineering with an intake of 360 seats.

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.K.Srinivasa Babu, has successfully published a patent titled “Smart Computing Architecture To Scale Up Multilevel Data Security In Cyber Cloud Connected Digital Network Systems”, Patent Application no: 202541100577A ,published on 19-Dec-25.
- Dr M Satish Kumar, has successfully published a patent titled "IOT-Based Device to Measure Sugar Levels in Diabetes Using Saliva ", Patent Application no: 470182-001 , published on 20-Nov-25.

Journals & Conferences

- Dr. M.Santhosh Kumar, Dr. K. Rameshwaraiah, published paper on “A4C: A Novel Hybrid Algorithm for Resource-Aware Scheduling in Cloud Environment”, in International Journal of Computer Network and Information Security (IJCNIS)with ISSN No. 2074-9104 Published in Dec 2025.
- Dr. S. Sree Hari Raju, presented conference paper on “Integrating Deep Learning and Swarm Intelligence for Cancer Diagnosis” at 2nd International Conference on New Frontiers in Communication, Automation, Management and Security (ICCAMS), in Nov. 2025.
- Dr. S. Sree Hari Raju, presented conference paper on “ AI in Blockchain Security: Detecting Anomalies in Smart Contracts for Cancer Diagnosis” at 3rd International Conference on Intelligent Cyber Physical Systems and Internet of Things (ICoICI), in Dec. 2025.
- Dr. S. Sree Hari Raju, presented conference paper on “AI-Driven Biomedical Image Analysis: Advancements and Applications in Healthcare” at 3rd International Conference on Intelligent Cyber Physical Systems and Internet of Things (ICoICI), in Dec. 2025.
- Dr. M. Santhosh kumar, Dr. A. Prashanthi, Mrs.S. Radhika, presented conference paper on “Attention-based BiLSTM Model for Accurate DDoS Attack Traffic Classification ” at 3rd International Conference on Intelligent Cyber Physical Systems and Internet of Things (ICoICI), in Dec. 2025.
- Dr. M. Santhosh kumar, Mr.A.Naveen, Mrs. K. Prathyusha , presented conference paper on “OOA: Osprey Optimization Algorithm For Efficient Task Scheduling In Edge Computing Environments” at 4th International Conference on Applied Artificial Intelligence and Computing (ICAAIC), in Dec. 2025.
- Mr.Newton,Mr. K. Anjaiah, presented conference paper on “FOA: A Bio-Inspired Approach for Deadline-Aware and Fault-Tolerant Scheduling in CLOUD Computing” at 4th International

Conference on Applied Artificial Intelligence and Computing (ICAAIC), in Dec. 2025.

- Dr.M.Santosh Kumar, Mr.V.Satish, Mrs.K.Ashiwini Reddy, Mr.M.Pareenth Kumar, presented conference paper on “AAA: Priority –AWARE AND Ltency –Optimized task Scheduling in Fog Computing” at 4th International Conference on Applied Artificial Intelligence and Computing (ICAAIC), in Dec. 2025.
- Mrs.E.Babina , presented conference paper on “GCA: Met heuristic Driven Cost and Energy Aware Scheduling in Edge Computing Environment” at 9th International Conference on Electronics ,Communication and Aerospace Technology (ICECA), in Dec. 2025.
- Dr. K. Rameshwaraiah , Mrs. S. Radhika , Mrs.CH.Ramya, presented conference paper on “APO: Met heuristic Driven Reliability-Aware Task Scheduling in Cloud Environment” at 9th International Conference on Electronics, Communication and Aerospace Technology (ICECA), in Dec. 2025.
- Dr. M. Santhosh kumar ,Mr.T.Madhu, , presented conference paper on “Early Prediction and Diagnosis of Tomato Leaf Diseases using Meerkat CLAN Algorithm” at 9th International Conference on Electronics, Communication and Aerospace Technology (ICECA), in Dec. 2025.
- Dr. M. Santhosh kumar ,Mrs.Ch.Ramya , presented conference paper on “CCO: Minimizing Energy and Carbon Emission in Edge Computing ” at 9th International Conference on Electronics, Communication and Aerospace Technology (ICECA), in Dec. 2025.
- Dr. K. Rameshwaraiah, Mr.B.Lokesh, Mr.S.Srikanth Reddy, presented conference paper on “Scalable Task Scheduling in Cloud Environment using the One-to-One based Optimizer Algorithm ” at 9th International Conference on Electronics, Communication and Aerospace Technology (ICECA), in Dec. 2025.
- Dr. M.Santhosh Kumar,, presented conference paper on “ A Multi Model Machine Learning Framework For Intelligent Credit Card Fraud Detection “ at 1st International Conference on Advances in Engineering And Computing Technologies for sustainable Development (AECTSD) ,in Dec. 2025.
- Dr. M.Santhosh Kumar,Dr. A.Prashanti, Mrs.V.Mounica, presented conference paper on “ kNN:-MOA : An Accurate And Scalable Detection Of Malicious Content In Social Media” at 6th International Conference on IoT based CONTROL NETWORKS AND intelligent Systems (ICICNIS) ,in Dec. 2025.

Conferences

- Dr. Santhosh Kumar , Dr. A Prashanthi, Mrs.M.Revathi, presented conference paper on “SSA: Early Detection of Mango Leaf Diseases using Feature Optimization Technique” at IEEE 2025 International Conference on Sustainable Communication Networks and Application (ICSCN) 979-8-3315-9420-6, in Dec. 2025.
- Dr.M. Santhosh Kumar , presented conference paper on “TSR: Classifying and Scheduling of IoT Tasks in Heterogeneous Cloud-Fog Computing Environment” at IEEE 2025 International Conference on Sustainable Communication Networks and Application (ICSCN) 979-8-3315-9420-6, in Dec. 2025.

STUDENT ACHIEVEMENTS

Conferences

- Mr. Sura Sreeduth, presented conference paper on “ GCA: Metaheuristic Driven Cost and Energy Aware Scheduling Edge Computing Environment” at 9th International Conference on Electronics, Communication and Aerospace Technology hit Session chair ICECA 2025, in Nov. 2025.
- Mr. Shaik Varshat Pasha, presented conference paper on “ GCA: Metaheuristic Driven Cost and Energy Aware Scheduling Edge Computing Environment” at 9th International Conference on Electronics, Communication and Aerospace Technology hit Session chair ICECA 2025, in Nov. 2025.
- Mr. Rathod Pavan, presented conference paper on “ GCA: Metaheuristic Driven Cost and Energy Aware Scheduling Edge Computing Environment” at 9th International Conference on Electronics, Communication and Aerospace Technology hit Session chair ICECA 2025, in Nov. 2025.
- Mrs. Ramagalla Suchitra, presented conference paper on “APO: Metaheuristic Driven Reliability-Aware Task Scheduling in Cloud Environment” at 9th International Conference on Electronics, Communication and Aerospace Technology hit Session chair ICECA 2025, in Nov. 2025.
- Mrs.Rampally Vaishnavi, presented conference paper on “APO: Metaheuristic Driven Reliability-Aware Task Scheduling in Cloud Environment” at 9th International Conference on Electronics, Communication and Aerospace Technology hit Session chair ICECA 2025, in Nov. 2025.
- Mr.Thirumalakonda Thrinadh, presented conference paper on “APO: Metaheuristic Driven Reliability-Aware Task Scheduling in Cloud Environment” at 9th International Conference on Electronics, Communication and Aerospace Technology hit Session chair ICECA 2025, in Nov. 2025.

2025.

- Mr.Patluri Laxman, presented conference paper on “CCO: Minimizing Energy and Carbon Emission in Edge Computing” at 9th International Conference on Electronics, Communication and Aerospace Technology hit Session chair ICECA 2025, in Nov. 2025.
- Mr.Guguloth Praveen, presented conference paper on “CCO: Minimizing Energy and Carbon Emission in Edge Computing t” at 9th International Conference on Electronics, Communication and Aerospace Technology hit Session chair ICECA 2025, Nov.2025.
- Mr.Chaganti Uday Kumar, presented conference paper on “CCO: Minimizing Energy and Carbon Emission in Edge Computing” at 9th International Conference on Electronics, Communication and Aerospace Technology hit Session chair ICECA 2025, in Nov. 2025.
- Mrs.Belli Pujitha, presented conference paper on “Scalable Task Scheduling in Cloud Environment using the One-to-One-based Optimizer Algorithm” at 9th International Conference on Electronics, Communication and Aerospace Technology hit Session chair ICECA 2025, in Nov. 2025.
- Mr.Mannem Adishesha Reddy, presented conference paper on “Scalable Task Scheduling in Cloud Environment using the One-to-One-based Optimizer Algorithm” at 9th International Conference on Electronics, Communication and Aerospace Technology hit Session chair ICECA 2025, in Nov. 2025.
- Mrs.Sokam Bhavya Sree , presented conference paper on “Scalable Task Scheduling in Cloud Environment using the One-to-One-based Optimizer Algorithm” at 9th International Conference on Electronics, Communication and Aerospace Technology hit Session chair ICECA 2025, in Nov. 2025.
- Mrs.Yeshamoni Anitha, presented conference paper on “SRPO: An Intelligent and Scalable Task Scheduling in Fog Computing Environment” at 9th International Conference on Electronics, Communication and Aerospace Technology hit Session chair ICECA 2025, in Nov. 2025.
- Mrs.Raj Chaurasiya, presented conference paper on “SRPO: An Intelligent and Scalable Task Scheduling in Fog Computing Environment” at 9th International Conference on Electronics, Communication and Aerospace Technology hit Session chair ICECA 2025, in Nov. 2025.
- Mrs.Ramadasu Sindhu, presented conference paper on “SRPO: An Intelligent and Scalable Task Scheduling in Fog Computing Environment” at 9th International Conference on Electronics, Communication and Aerospace Technology hit Session chair ICECA 2025, in Nov. 2025.
- Mr.Chukka Ganesh, presented conference paper on “Early Prediction and Diagnosis of Tomato Leaf Diseases using Meerkat Clan Algorithm” at 9th International Conference on Electronics, Communication and Aerospace Technology hit Session chair ICECA 2025, in Nov. 2025.

- Mrs.Vanga Divya, presented conference paper on “Early Prediction and Diagnosis of Tomato Leaf Diseases using Meerkat Clan Algorithm” at 9th International Conference on Electronics, Communication and Aerospace Technology hit Session chair ICECA 2025, in Nov. 2025.
- Mrs.Pullagurla Akshaya, presented conference paper on “Early Prediction and Diagnosis of Tomato Leaf Diseases using Meerkat Clan Algorithm” at 9th International Conference on Electronics, Communication and Aerospace Technology hit Session chair ICECA 2025, in Nov. 2025.

WORKSHOP**Cybersecurity With Ethical Hacking**

A Five-Day Student Enrichment Program (Workshop) on “Cybersecurity with Ethical Hacking” was organized by the Department of Computer Science and Engineering from 10th November 2025 to 14th November 2025 at CSE Seminar Hall. A total of 188 students from II Year CSE actively participated in the sessions, divided into two batches – Batch: 1 (9:15 AM to 12:50 PM) and Batch: 2 (1:30 PM to 4:00 PM). The sessions were conducted by Mr. Prabhudas Thanneeru, Founder of Hackers Gurukul & HTech Solutions, Head of IT for Triventa Group who served as the resource person for the workshop.

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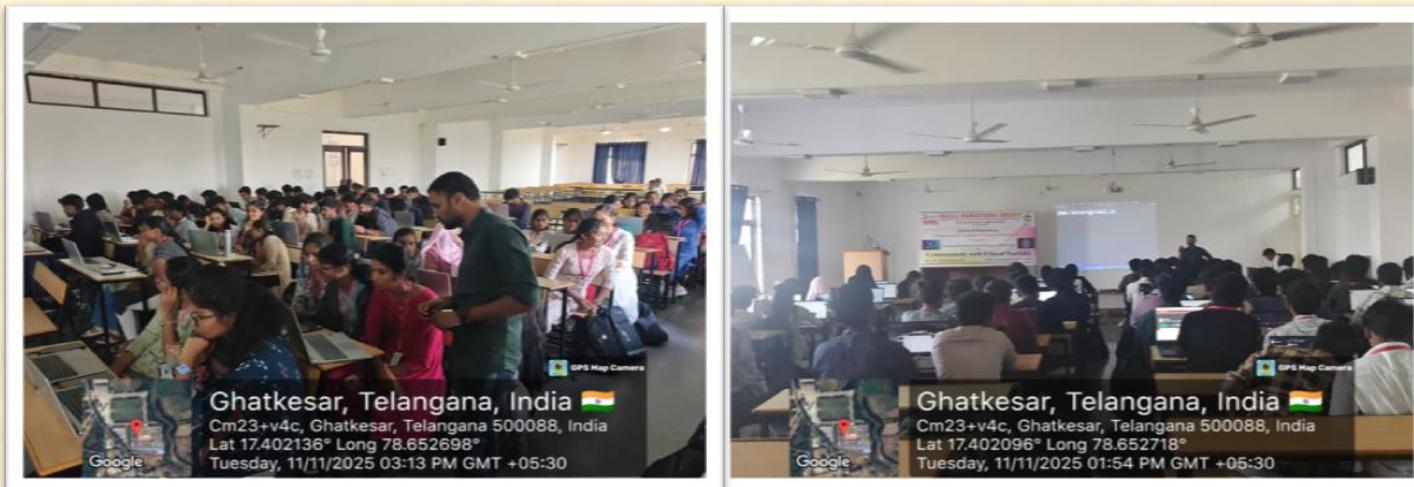
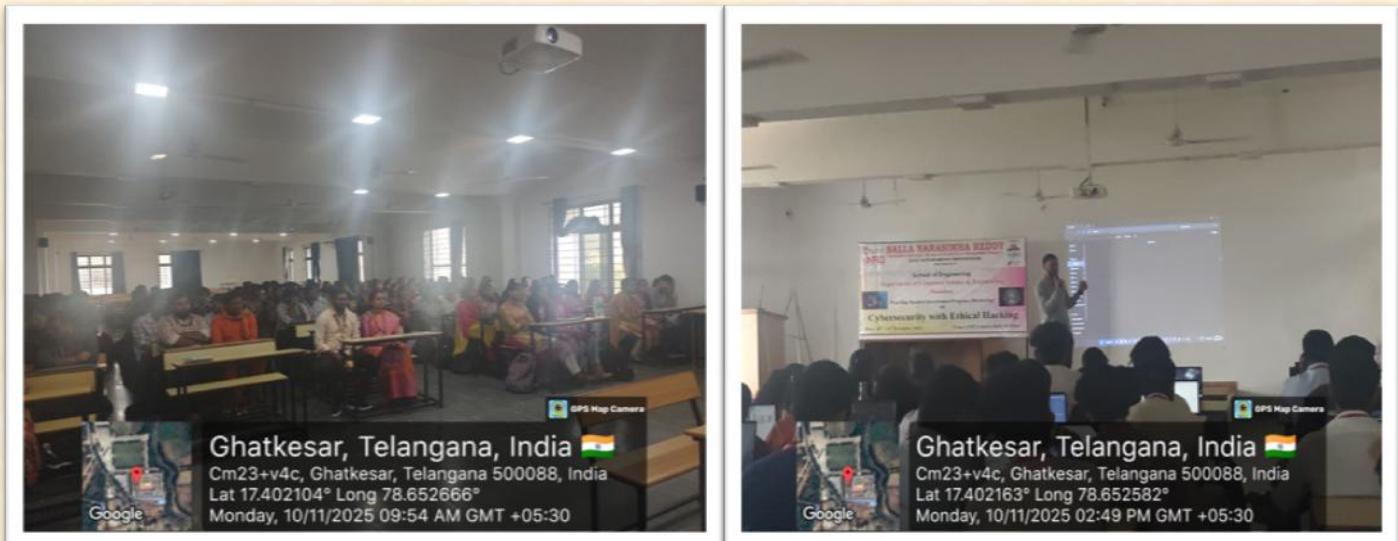
School of Engineering
Department of Computer Science & Engineering
Organizing

Five-Day Student Enrichment Program (Workshop)
on

Cybersecurity with Ethical Hacking

Date: 10th - 14th November 2025 **Venue: CSE Seminar Hall, III Floor**

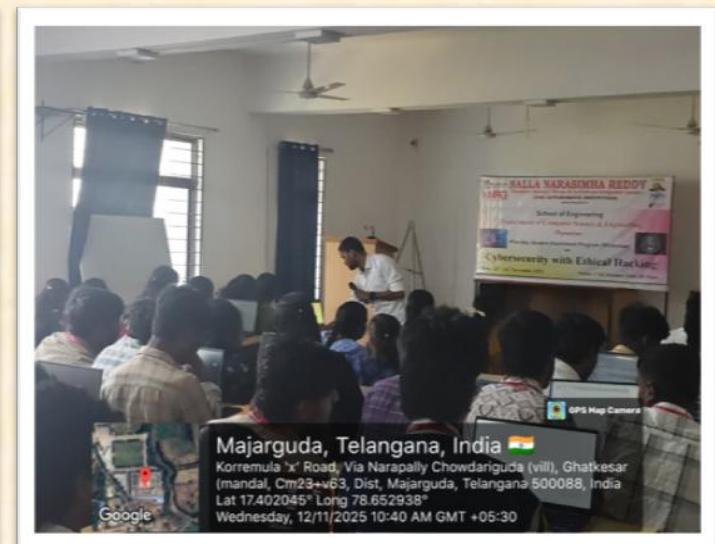
Day 1 – Introduction to Cybersecurity & Ethical Hacking: The workshop began with an inaugural session at 9:15 AM. Dr. K. Rameshwaraiah, Head of the Department of CSE, inaugurated the event and highlighted the importance of Cybersecurity with Ethical Hacking in modern mobile and web applications. After a brief introduction, Mr. Prabhudas Thanneeru initiated the first session, covering the workshop began with an overview of cybersecurity fundamentals, types of cyber threats, attack vectors, and the ethical hacking process. Students were introduced to Kali Linux and explored essential cybersecurity terminology. This session laid the foundation for understanding the importance of securing digital assets.



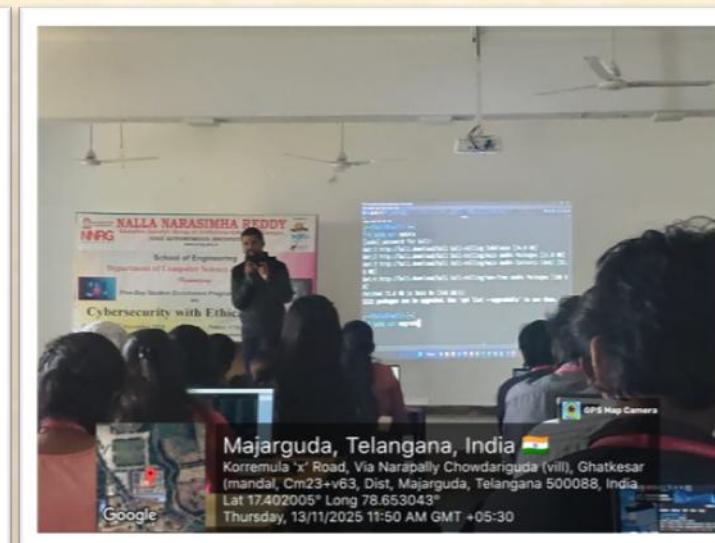
Day 2 – Phishing and Social Engineering: Participants learned how phishing attacks are crafted and how social engineering manipulates human behavior. Practical demonstrations included creating phishing scenarios using tools such as Zphisher and AI-generated phishing content. Students also discussed real-world phishing incidents and prevention techniques.

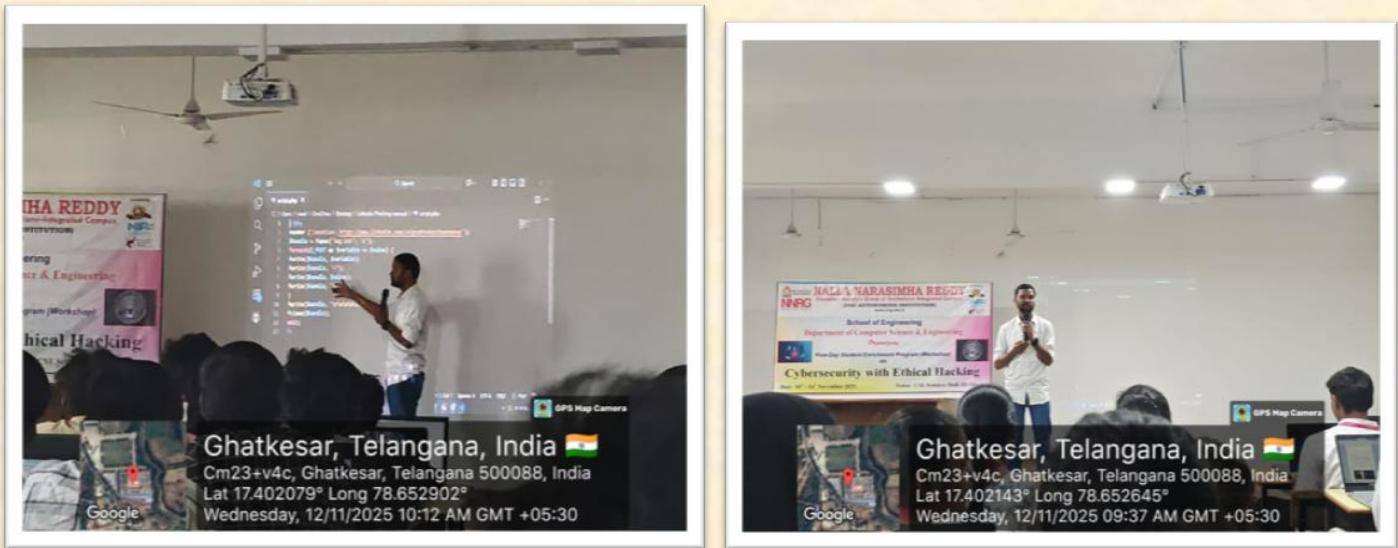


Day 3 – Penetration Testing: Students performed network scanning and vulnerability assessment using Nmap, Netdiscover, and Burp Suite. They understood penetration testing methodology and practiced basic exploitation techniques.



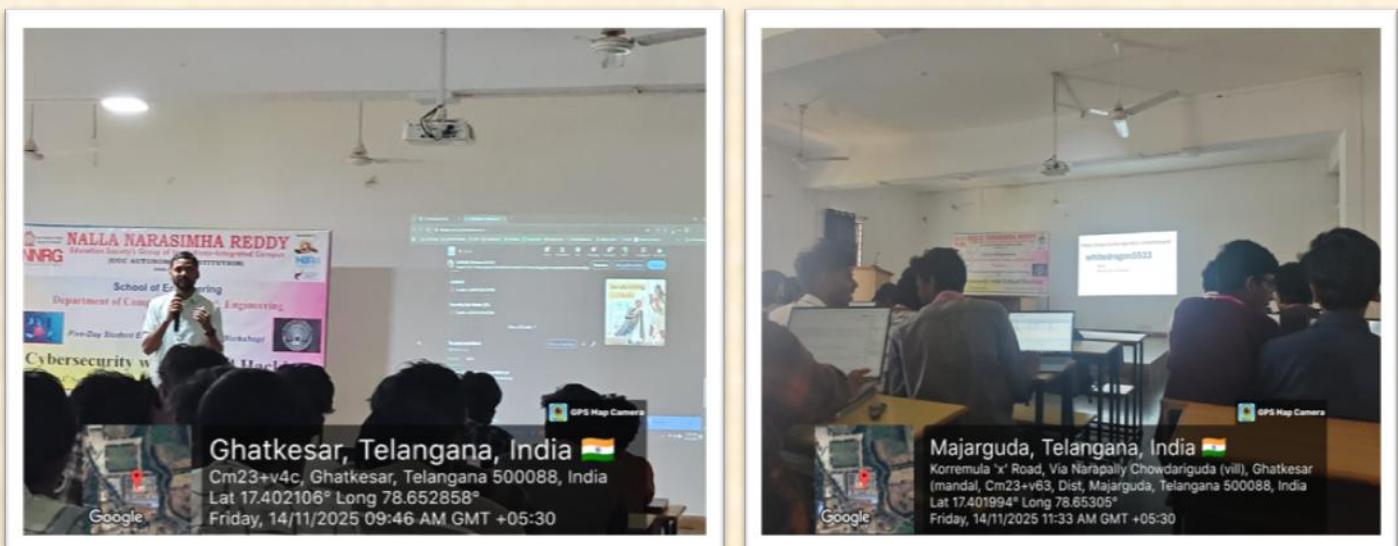
Day 4 – OSINT & Mobile Hacking: The trainer focused on focused on penetration testing methodologies. Students performed basic recon, scanning, and vulnerability assessment using tools like Nmap, Netdiscover, and Burp Suite. They learned how to identify system weaknesses and understand how penetration testers simulate real attacks ethically and safely.





Day 5 – Capture The Flag (CTF) & Career Paths: The final day featured a competitive Capture the Flag (CTF) challenge where a total of 24 teams participated.

Students attempted problems from cryptography, web security, forensics, and reverse engineering. Out of the 24 teams, 9 teams successfully completed the assigned tasks, demonstrating strong analytical and technical skills. These 9 teams were awarded a Token of Appreciation for their outstanding performance. The day concluded with a session on cybersecurity career pathways, certifications, and opportunities in the industry.





Outcome : Upon successful completion of the Five-Day Student Enrichment Program on “Cybersecurity with Ethical Hacking”,

- Gained strong foundational knowledge of cybersecurity concepts and ethical hacking practices
- Performed hands-on activities using industry-standard tools such as Kali Linux, Nmap, Burp Suite, Aircrack-ng, Metasploit, Netdiscover, and VirusTotal
- Understood how to identify, analyze, and mitigate basic cyber threats
- Became familiar with real-world techniques like phishing, social engineering, OSINT, and penetration testing
- Enhanced problem-solving and teamwork skills through the Day-5 Capture The Flag (CTF) challenge
- Experienced competitive learning, where out of 24 teams, 9 teams successfully completed the tasks and received a Token of Appreciation
- Gained awareness about cybersecurity career paths, certifications, and future learning opportunities

Additional Outcome : A total of 31 students were declared as Workshop CTF Winners, and the CTF Winners List was announced and appreciated for their excellence

S. No	Roll no	Name	HG Completion ID
1	247Z1A05F2	Korivi Pranathi	HG202511NNRG093
2	247Z1A05F3	Kota Bhanu Akshaya Reddy	HG202511NNRG094
3	247Z1A05F4	Kotha Pavan Kumar	HG202511NNRG095
4	247Z1A05F5	Kotha Rishitha	HG202511NNRG096
5	247Z1A05G2	M C Navitha	HG202511NNRG099
6	247Z1A05H5	Manchikatla Abhiram	HG202511NNRG104
7	247Z1A05I2	Mekala Rohan Goud	HG202511NNRG107
8	247Z1A05I4	Menni Mohana Rama Krishna	HG202511NNRG108
9	247Z1A05J6	Motupally Madhav	HG202511NNRG115
10	247Z1A05J7	Mudigonda Krishna Manohar	HG202511NNRG116
11	247Z1A05J9	Mutyala Nikith	HG202511NNRG117
12	247Z1A05K1	Nadide Keerthi Reddy	HG202511NNRG118
13	247Z1A05K2	Nadimidoddi Raju	HG202511NNRG119
14	247Z1A05K5	Nalla Sankeerthana	HG202511NNRG120
15	247Z1A05K7	Nandagiri Ujwala	HG202511NNRG121
16	247Z1A05K9	Naperla Meghana	HG202511NNRG123
17	247Z1A05L0	Nazia Afroze	HG202511NNRG124
18	247Z1A05L5	Oruganti Manipriya	HG202511NNRG125
19	247Z1A05N4	Pothuganti Vaishnavi	HG202511NNRG131
20	247Z1A05O5	Rameshwaram Sai Kiran Chary	HG202511NNRG136
21	247Z1A05O9	Rathlavath Prem Kumar	HG202511NNRG139
22	247Z1A05P3	Rithvic Krishna Rapalli	HG202511NNRG140
23	247Z1A05P4	Sama Charvi Reddy	HG202511NNRG141
24	247Z1A05Q2	Seetha Likhitha	HG202511NNRG147
25	247Z1A05Q3	Shaik Huma Maheen	HG202511NNRG148
26	247Z1A05Q9	Siddinaboina Sandesh	HG202511NNRG152
27	247Z1A05R5	Sreevarshini Reddy Kolipaka	HG202511NNRG155
28	247Z1A05T5	Thota Tejaswini	HG202511NNRG169
29	247Z1A05T9	Uppari Vaishnavi	HG202511NNRG172
30	247Z1A05V5	Yasarupu Roopa Lakshmi	HG202511NNRG175
31	257Z5A0527	Somu Shiva Kumar	HG202511NNRG187



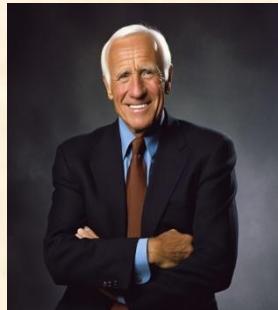
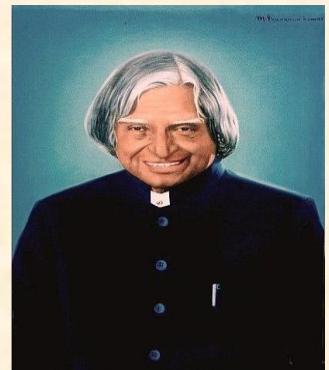
Group Photo of Faculty and Students with the Resource Person – Batch 1



Group Photo of Faculty and Students with the Resource Person – Batch 2

“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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