SANTHIRAM
ENGINEERING COLLEGE (AUTONOMOUS)

Approved by AICTE, New Delhi, Permanently Affiliated to
JNT University, Ananthapuramu.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CSE CHRONICLE

THE CSE DEPARTMENT NEWSLETTER

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Building Technology Driven Future





Dr. M.V. Subramanyam

Principal
Santhiram Engineering College

MESSAGE FROM THE PRINCIPAL

I am delighted to release CSE CHRONICLE, the newsletter of the Department of Computer Science and Engineering. This newsletter serves as a vibrant platform to showcase the department's academic achievements, innovative initiatives, student talent and various co-curricular activities. I appreciate the dedicated efforts of the faculty, students and editorial team in bringing out this edition and wish CSE CHRONICLE continued success in the years to come.



Dr. S. Md. Farooq

Professor & HoD
Department of Computer Science & Engineering

MESSAGE FROM THE HEAD OF THE DEPARTMENT

It gives me great pleasure to present CSE CHRONICLE – The CSE News Letter, which captures the vibrant academic, technical and co-curricular activities of our department. This newsletter reflects the creativity, innovation and technical excellence of our students and faculty. I congratulate the editorial team for their sincere efforts in compiling this edition and thank all the contributors for making CSE CHRONICLE a meaningful platform to share ideas and celebrate our achievements.



CSE CHRONICLE

THE CSE NEWS LETTER



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CSE DEPARTMENT AT A GLANCE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ESTABLISHED

2007

B.Tech. Programme in Computer Science & Engineering

B.TECH INTAKE

300

Students

(raised from 60 to 300 in 2024)

FACULTY STRENGTH

35

Highly qualified, experienced and committed faculty

COMPUTING INFRASTRUCTURE

700

Networked Computers with Internet Facility for Teaching, Research and Administration

PROGRAMMES / EVENTS CONDUCTED

(Academic Year 2024 – 2025, Jan – Mar)

2	1	1	2	1	1	1	1
Awareness Programs	Workshop (25 Days)	Hackathon	One Day Programs	Online FDP (National Level)	Alumni Talk	Career Guidance Program	Start-up / Entrepreneurship Program

INDUSTRY INTERACTION & TIE-UPS

- Interaction with reputed industries
- Tie-ups with professional associations such as IEEE, IE and ISTE
- Research collaboration and regular faculty & student interactions
- Five Year MoU signed with Savory Minds Pvt. Ltd. on 08.01.2025

IEEE

IE

ISTE

CORE TECHNOLOGY AREAS

- Artificial Intelligence
- Data Mining
- Cloud Computing
- Network Security
- Computer Networks
- Big Data
- Machine Learning
- Emerging Technologies

LABORATORIES & FACILITIES



Computer Laboratories



Smart Classrooms



Projectors in Labs



Air-Conditioned Labs

FACULTY ACHIEVEMENTS

- **3** Research Publications (in reputed journals) (Scopus Indexed)
- **1** Participated in National Level FDP
- Various FDPs / Workshops and NPTEL Certifications by Faculty Members
- **1** Ph.D. Research Supervisor Appointment

STUDENT ACHIEVEMENTS

- **5** Internships & Placement Selections (in reputed companies)
- **2** Students Ranked 7th in India (NICE 25 Grand Finale)
- **3** Ambassador Recognitions (Campus, Ambassador, AISTWLC, Unstop Campus Ambassador)
- **2** South Zone National Championship Achievements (Handball & Football)
- **1** Academic Excellence Recognition (> 90% and 43,000 tuition fee reimbursement)

CSE CHRONICLE

THE CSE NEWS LETTER

VISION & MISSION

INSTITUTE & DEPARTMENT



INSTITUTE VISION

To become a nucleus for pursuing technical education and pool industrial research and developmental activities with social-conscious and global standards.

INSTITUTE MISSION

01 To provide Advanced Educational Programs and prepare students to achieve success and take leading roles in their chosen fields of specialization by arising a self-sustained University.

02 To establish postgraduate programs in the current and Advanced Technologies.

03 To establish an R&D Consultancy through developing Industry Institute Interaction, building up exceptional infrastructure.

04 To propel every individual, realize and act for the technical development of the society.

DEPARTMENT VISION

To become a center for quality education in the field of Computer Science & Engineering and to create competent professionals.



DEPARTMENT MISSION

01 To provide academic ambience and latest software tools to prepare competent Software Engineers with strong theoretical and practical knowledge.

02 To foster professionalism and strong work ethics in students for the betterment of society.

03 To provide adequate infrastructure as well as experienced & skilled faculty members.

04 To encourage the spirit of entrepreneurship and adaptability in our students in view of the ever-changing scenario of the Software Industry.

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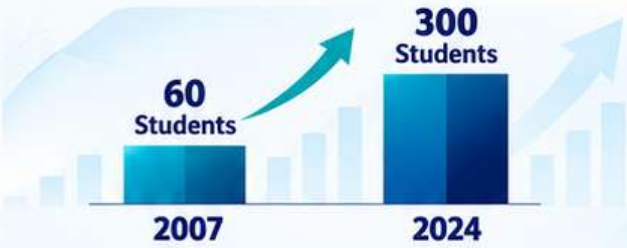
Building Technology Driven Future



DEPARTMENT PROFILE
COMPUTER SCIENCE AND ENGINEERING

01 ESTABLISHMENT & INTAKE

Recognizing the overwhelming demand for computer engineering, the Institute started a 4 year **B.Tech** course in **Computer Science and Engineering** in the year **2007** with an intake of **60 students** and the intake currently raised to **300** in the year **2024.**



02 FACULTY STRENGTH & EXPERTISE

The department has **35** highly qualified and committed faculties, all of them have a rich experience in teaching, dedication towards the pursuit of academic excellence and they are specialized in diverging areas of technology like **Computer Networks, Data Mining, Network Security, Cloud Computing and Artificial Intelligence** etc. The Department of CSE continues to recruit teachers with rich experience in academics, industry, and research and supports them providing superior research facilities.



03 INDUSTRY INTERACTION & ASSOCIATIONS

The Department has interaction with industries which have a high reputation and track record. It also has tie-ups with well-known associations like **IEEE, IE, ISTE** in pursuit of excellence reaching higher standards through Research Collaboration, faculty and students have regular interactions together.

IEEE IE ISTE

04 INFRASTRUCTURE & FACILITIES

The department has well-equipped computer laboratories and a rich repository of software covering a wide spectrum of applications. In total there exists a network of **700 computers** with internet facility for teaching, research and administration purposes. The other features include projectors to bring a sense of live class environment and for seminars; UPS for uninterrupted use during the power cuts; air condition etc.

- **700** Networked Computers
- Internet Facility
- Projectors in Classrooms & Labs
- Air-Conditioned Labs
- UPS for Uninterrupted Power Supply





05 OUR COMMITMENT

With a strong academic environment, modern infrastructure, industry interaction and research facilities, the Department of CSE strives to nurture competent, innovative and industry-ready professionals to meet the evolving global challenges.



PROGRAMMES CONDUCTED:

1. A ONE DAY AWARENESS PROGRAM



The Department of CSE conducted a one-day "**Awareness Program on Cyber Security"** on 06-01-2025, for III CSE students in association with IEEE CS Student branch chapter-17901B.Mr. B.Y.Amith Kumar, CEO, Savory Minds acted as the resource person for this program.

2. A 25 DAYS WORKSHOP



The Department of CSE conducted **A 25 Days Workshop on Cyber Security-Hack Tech** from 07.01.2025 to 11.01.2025, for III CSE students in association with IEEE RAS Student branch chapter-17901A. Mr B.Y.Amith Kumar, CEO, Savory Minds acted as the resource person for this program.

3. A ONE DAY HACKATHON



The department of CSE conducted a One Day Hackathon on "**Secure the Future: Cyber Resilience Challenge**" in association with ISTE Student chapter AP-133 and Savory Minds on 10-01-2025. Mr. B.Y.Amith Kumar, CEO, Savory acted as a judge for this program.

4. A ONE DAY PROGRAM



The Department of CSE conducted a **One Day Program on Entrepreneurship-InnoQuest-2K25: Inspiring Minds, Transforming Worlds**, for II CSE students on 29.01.2025 in association with IEEE Student Branch STB17901 and IEEE Computer Society SBC17901B and in collaboration with R&D IPR cell

5. A ONE-DAY AWARENESS PROGRAM



The Department of CSE conducted a one-day **Awareness Program on Start-up, Creativity, Innovation & Brainstorming at Workplace"** on 31.01.2025, for II CSE students. Mr B.Uma Maheswara Reddy,DGM (Retd), BEL, Hyd acted as the resource person for this program.

6.ONE WEEK ONLINE FDP



The Department of CSE conducted A National Level One Week Online **FDP** on AI Tools on 17.02.2025 TO 21.02.2025" in association with IEEE Branch Student branch chapter-17901A. Mr.B.Ganesh Nagu,CEO,Braino Vision,Hyderabad acted as a resource person for this program.

7. AN ALUMNI TALK



The department of CSE conducted an Alumni Talk Program on "Full Stack Web Development : From Design to Development" in Association with SREC IEEE Student Branch STB17901 and IEEE Computer Society SBC17901B on 22nd February 2025. Mr.Mazahar Shaik software Engineer, Zomoso Technologies acted as resource person for this program.

8. A ONE DAY CAREER GUIDANCE PROGRAM



The department of CSE conducted a One Day Career Guidance Program on "Building your Tech Career" in Association with SREC IEEE Student Branch STB17901 and IEEE Computer Society SBC17901B on 7th March 2025. Mr.M.Shabarish software Engineer, Tonzai Systems, Banglore acted as the resource person for this program.

9.ONE DAY PROGRAM



The department of CSE conducted a One Day program on Startup Initiatives titled "Startup Spotlight – Students Ideas Showcase" on 10.03.2025 in collaboration with the Department of R&D and IPR.

DEPARTMENT ACHIEVEMENT:

- The Department of CSE signed a **MOU with Savory Minds Pvt.Ltd** for Five Years on 08.01.2025.

FACULTY PUBLICATIONS:

- Mr. P. Bhaskar, Asst.Prof CSE Department has published a paper entitled on" Cloud Computing Network in Remote Sensing-Based Climate Detection Using Machine Learning Algorithms" in international **journal** of Springer Nature.
- Mrs. M. Jayamma Asst.Prof CSE Department has published a paper entitled on "A novel eye disease segmentation and classification model using advanced deep learning network" international **journal** of Biomedical Signal Processing and Control, Vol. 105, PP:1-20, Jan-2025(Scopus Indexing)
- Mrs. O. Bhulakshmi, Asst.Prof CSE Department has published a paper entitled on "Advanced Hybrid Methodology for Robust Heart Disease Prediction and Feature Optimization" in 2nd **International Conference** on Machine Learning and Autonomous systems (ICMLAS 2025) organized by Stamford International University Bangkok Thailand on 10-12th March 2025.

FACULTY FDP/WORKSHOPS ATTENDED:

- The following faculty members have participated in **One Week National Level Faculty Development** program on A1 Tools organized by Santhiram Engineering college, Nandyal held from 17.02.2025 to 21.02.2025
  - Mr.P.Bhaskar
  - Mrs.V.Lakshmi Chaitanya
  - Mrs.M.Sharmila Devi
  - Mrs.M.Anusha
  - Mrs.M.Jayamma
  - Ms.S.Nazia Banu
  - Mrs.O,Bhulakshmi
  - Mr.A.V.Subbaiah
- The following faculty members have participated in **One Day National Webinar** program on on "AI Tools & Research Innovations: Shaping the Future of AI in 2025 & Beyond" held on 25.02.2025, organized by Department of Computer Science Government Degree College, Razole.
  - Mrs.V.Lakshmi Chaitanya
  - Mrs.M.Anusha
  - Ms.S.Nazia Banu
  - Mrs.O,Bhulakshmi
- The following faculty members have participated in_6-day **Faculty Development Program** On "Revolutionizing Education with Generative AI: Teaching and Learning Strategies" held from 10th-15th, March.2025 Organized by the Departments of CSE. IT, CSE(AI), CSE(AI&ML), CSE(DS). CSE(CS), MCA & ECE at Narasarao peta Engineering College(NEC) in Collaboration with Blackbucks Group.
- Ms.S.Nazia Banu, Asst.Prof CSE Department has **Participated in FDP** on Blockchain & Web3 Organized by the Sri Siddhartha Institute of Technology, SSAHE, Karnataka, held on 10th March to 17th March 2025.

FACULTY ACHIEVEMENT:

- Dr. S.Md. Farooq serves as a **resource person** a national webinar on AI Tools & Research Innovations Shaping the Future of AI in 2025 & Beyond on February 25, 2025, at Government Degree College, Razole Dr. B R Ambedkar Konaseema (Dist).
- Mrs.M.Sharmila Devi has actively participated in the research paper presentation conducted at the 4th International **Conference** on Sentiment Analysis and Deep Learning (ICSADL2025), hosted

by Far Western University in Bhimdatta, Nepal. This research presentation titled "Developing a Robust Intrusion Detection System using SMOTE and Hybrid SVNN Model" on 18.02.2025 to 20.02.2025.

- Dr. S. Md. Farooq, Professor CSE Department, as a **Reviewer** on in the "1 International Conference on Sustainable Computing & Intelligent Systems (ICSCIS-2025)" held on March 21 - 22, 2025 organized by Research & Development Cell, Poornima University, Jaipur, Rajasthan, India.

STUDENT ACHIEVEMENTS

- P.Swathi (22X51A05G2) From III CSE participated in a Two Day Tech Fest-Hackathon on 03.01.2025 & 04.01.2025 at Narayana Engineering College Nellore and won a prize money of 20k
- P.Somasekhar Reddy(22X51A05A3) From III CSE elected as an Ambassador, for TechX 2025 Ambassador(IEEE) – a title reserved for technology, leadership, and innovation trailblazers on 30.01.2025.
- P.Somasekhar Reddy(22X51A05A3) From III CSE elected as an **Ambassador**, for IEEE YESIST12 2025 on 01.02.2025.
- Amazon Web Services has chosen ten III CSE students for **free internships** on 03.02.2025.
- K.Ruchitha(22X51A0562) and S.Sai Sudha(22X51A05E1) III-II CSE Students participation in the theme AI Innovations unlimited in the Industry-Driven National Level AI AUTONOMOUS **HACKATHON** 2025 held from 06-02-2025 to 07-02-2025, organized by Department-of Computer. Science and Engineering, Siddhartha Academy of Higher Education (An Institution Deemed to be University) Vijayawada, Andhra Pradesh, India.
- A V Karthik (22X51A0506) III-II CSE has won the **3rd prize** in the event titled **Quiz-Up** at XXVIII National Level Technical Symposium Sankalp Ripple 2K25, RGMCET held on 14.02.2025 & 15.02-2025.
- M Hema Charan (23X51A05C9) II-II CSE has won the **1st prize** in the event titled **Mic-Majesty** at XXVIII National Level Technical Symposium Sankalp Ripple 2K25, RGMCET held on 14.02.2025 & 15.02-2025.
- S Nasir Hussain (23X55A0513) III-II CSE has participated in the event titled **Quiz-Up** at XXVIII National Level Technical Symposium Sankalp Ripple 2K25, RGMCET held on 14.02.2025 & 15.02-2025.
- P. Somasekhar Reddy(22X51A05A3) has actively participated in the CreaTech 2024, a Technology Innovation Contest organized by Larsen & Toubro. We appreciate the enthusiasm and dedication exhibited in solving technical challenges.
- **Infosys hired** M Shiva Chinmai (21X51A0571) and N Varsha Reddy (21X51A0588) as IV-II CSE students. The salary package for your new job is 3.50 LPA.
- K Ranga Swamy (23X51A05I0) II-II CSE has won the **1st prize** in the event titled **Mind Mashup** (Technical Quiz) at XXI National Level Technical Symposium Samyak Ripple 2K25, RGMCET held on 24.02.2025 & 25.02-2025.
- The following III-II student team placed second in the **Mind Mashup** (Technical Quiz) competition at the XXI National Level Technical Symposium Samyak Ripple 2K25, RGMCET, which took place on February 24 and 25, 2025.
    - A Karthik (22X51A0506)
    - U Khaleel Ahmad (22X51A05E8)
    - S Sudheer (22X51A05C1)
    - Y Sai Ram Reddy (22X51A05F6)
    - C Arun Kumar (23X55A0502)
- A V Karthik (22X51A0506) III-II CSE has won the 1st prize in the event titled Tech Tussle at XVIII National Level Technical Symposium Advitiya Ripple 2K25, RGMCET held on 27.01.2025 & 28.01-2025.
- A V Karthik (22X51A0506) III-II CSE has participation in the event titled LEET CODE CLUB GRAND EVENT.2K25 held on 22.02.2025 at SREC, Nandyal.
- K. Ruchitha (22X51A0562) III-II CSE has won the **2nd prize** in the event titled Startup Ideas (Idea thon) in 14th National Level Technical Symposium, EMINENCE-SIGMA-2K25, held from 28.02.2025 and 01.03.2025 at SREC (Autonomous), Nandyal.
- P Swathi (22X51A05G2) III-II CSE Student **participation** in the 'HACKFUSION 2.0' held on 21,22,23 February 2025, organized by Swag Club.
- The following III-II student team placed **second** in the **Genius Grid** (Technical Quiz) competition at the XII National Level Technical Symposium Trace-2K25 (Ripple) RGMCET, which took place on 03.03.2025 to 04.03.2025.
    - U Khaleel Ahmad (22X51A05E8)
    - Y Sai Ram Reddy (22X51A05F6)
    - C Arun Kumar (23X55A0502)
    - G Manidhar Naidu (22X55A0534)

- J Ravi Kumar (22X55A05G0)
- Y Anand (22X55A05F5)
- N Jaswanth (23X55A0508)
- S Madhu Bharath(22X55A05E2)

- S Uday (22X51A05D7) III-II CSE Student **participation** in the_Genius Grid (Technical Quiz) competition at the XII National Level Technical Symposium Trace-2K25 (Ripple) RGMCET, which took place on 03.03.2025 to 04.03.2025.
- K Sandeep (21X51A0546) IV-II students have an **appointment** with Valuedrive Technologies Pvt. Ltd. ("Spinny") in Gurugram, Haryana, India. Closure Consultant, 3 LPA, joining date: March 24, 2025.