SANTHIRAM
ENGINEERING COLLEGE (AUTONOMOUS)

Approved by AICTE, New Delhi, Permanently Affiliated to
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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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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DEPARTMENT GLANCE

JULY - SEPTEMBER 2024

4 Programs Conducted

13 Faculty Participation in FDPs

8 Faculty Journal / Conference Publications

4 Student Achievement Activities

341 Students Completed Internship (EduSkills Cohort 9)

PROGRAMS CONDUCTED 4

1. A One Day Faculty Development Program on "Innovative AI Tools for Academic Research and Writing"
   03-08-2024



2. A One Day Faculty Development Program on Sense Board
   13-08-2024



3. Intra Institutional Startup Competition - IDEAForge 2K24
   24-08-2024



4. Freshers Party
   29-09-2024



FACULTY PARTICIPATION IN FDPs 13

3. Faculty attended one week FDP on **"Machine Learning Algorithms and Exploratory Data Analysis"** (08.07.2024 to 13.07.2024) organized by Pantech e Learning Pvt. Ltd.

10. Faculty attended A One Day FDP on **"Innovative AI Tools for Academic Research and Writing"** (03-08-2024) organized by Department of CSE, Santhiram Engineering College.

FACULTY JOURNAL / CONFERENCE PUBLICATIONS 8

- Dr. Farooq Sunar Mahammad, Professor - 3 papers
- Mr. P. Bhaskar, Assistant Professor - 1 paper
- Mrs. V. Lakshmi Chaitanya, Assistant Professor - 1 paper
- Mr. M. Amareswara Kumar, Assistant Professor - 1 paper
- Mrs. M. Sharmila Devi, Assistant Professor - 1 paper
- Mr. P. SubbaRao, Assistant Professor - 1 paper

STUDENT ACHIEVEMENT ACTIVITIES 4

1. Shot Put - 1 student
2. Selected for All India Inter-University National Ball Badminton & South Zone Inter-University National Softball - 2 students
3. Participated in NICE-24 South Zone Finals - 5 students
4. Participated in Umang-2K24 - 12 students

INTERNSHIPS 341

EduSkills
Nurturing Tomorrow

341 students completed EduSkills Cohort 9 Internship

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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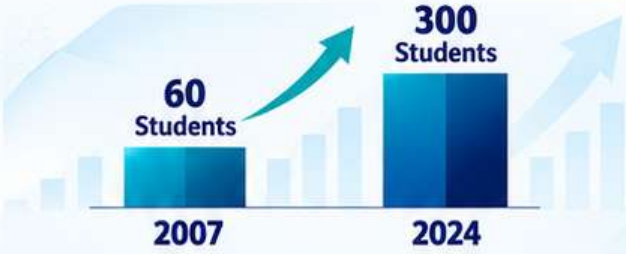
Building Technology Driven Future



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.



PROGRAMS CONDUCTED:

1. **A ONE DAY FACULTY DEVELOPMENT PROGRAM**



Conducted "Innovative AI Tools for Academic Research and Writing" in association with IEEE RAS Student branch chapter-17901A on 3rd August 2024. Dr. Farooq Sunar Mahammad, HOD of CSE department acted as a Resource person for this program.

2. A ONE DAY FACULTY DEVELOPMENT PROGRAM



Conducted FDP on sense Board in association with IEEE RAS Student branch chapter-17901A on 13th august 2024.Mr. Mahesh, Technical Person on Sense Board acted as a resource person for this program.

3.**INTRA INSTITUTIONAL STARTUP COMPETITION -IDEAFORGE- 2K24**



Organized in association with **Escort Tech Hub** on 24.08.2024. This competition aimed to nurture and showcase the entrepreneurial talent within the institution, providing a platform for students to present innovative startup ideas.

4.FRESHERS PARTY



organized Freshers party on 29-09-2024.

FACULTY ATTENDED FDP'S/STTP'S/NPTEL/ EDEX PROGRAMS:

- Following faculty members were Participated in one week Faculty Development Program on "Machine Learning Algorithms and Exploratory data analysis" from 08.07.2024 to 13.07.2024 organized by Pantech e Learning Pvt. Ltd.
  - Ms.S.Naziya Bhanu Assistant Professor
  - Mrs.M.Anusha, Assistant Professor
  - Mrs.M.Jayamma, Assistant Professor
- Following faculty members were attended in A One Day Faculty Development Program on "Innovative AI Tools For Academic Research and Writing" on 03-08-2024 organized by Department of Computer science & Engineering, Santhiram Engineering College
  - Mrs. V.Lakshmi Chaitanya, Assistant Professor
  - Mr.P,Bhaskar, Assistant Professor
  - Mrs.M.Sharmila Devi, Assistant Professor
  - Mr.M.Amareswara Kumar, Assistant Professor
  - Mr.P.SubbaRao , Assistant Professor
  - Mr.K.V.Saiphani, Assistant Professor
  - Mrs.M.Anusha, Assistant Professor
  - Ms.S.Naziya Bhanu, Assistant Professor
  - Mrs.M.Jayamma, Assistant Professor
  - Mrs.O.Bhulakshmi, Assistant Professor

FACULTY JOURNALS/CONFERENCES:

- Following faculty members were published a technical paper in International Conference on Emerging Trends in Electronics and Communication Engineering - 2023, API Proceedings July-2024
  - Dr. Farooq Sunar Mahammad, Professor entitled with "Key distribution scheme for preventing key reinstallation attack in wireless networks"
  - Dr. Farooq Sunar Mahammad, Professor entitled with "Detecting Social Distancing By Using Detectron2 and Open CV"
  - Dr. Farooq Sunar Mahammad, Professor entitled with "Fake review detection using machine learning"
  - Mr.P.Bhaskar, Assistant Professor entitled with "Incorporating deep learning techniques to estimate the damage of cars during the accidents"
  - Mrs. V.Lakshmi Chaitanya, Assistant Professor entitled with "Identification of traffic sign boards and voice assistance system for driving"
  - Mr.M.Amareswara Kumar, Assistant Professor entitled with "Baby care warning system based on IoT and GSM to prevent leaving a child in a parked car"

- Mrs.M.Sharmila Devi, Assistant Professor entitled with “Rainfall prediction using machine learning”
- Mr.P.SubbaRao , Assistant Professor entitled with “Detecting malicious Twitter bots using machine learning”

STUDENT ACHIEVEMENTS:

- Ms. G Sandya Rani (22X51A0542) has participated and **secured** 3rd position in Shot Put competition on event of National Sports Day held on 29-08-2024 organized by Santhiram Engineering College, Nandyal.
- Following students were Selected to All India inter University National Ball Badminton Championship & South zone Inter University National Soft Ball Championship
  - Ms. Vadla Haseena(22X51A05F0)
  - Ms. Talari Sreevani (22X51A05E5)
- Following students were Participated in National Inter-College Crossword Expedition 2024 (NICE-24) SOUTH ZONE FINALS held on 16-07-2024 at IIT Madras.
  - Ms. Nichenametla Harshitha (22X51A0595)
  - Ms. Talari Sreevani (22X51A05E5)
  - Ms. Ummadi Hemalatha (22X51A05E9)
  - Ms. Seelam Subba Sahithi (22X51A05C3)
  - Ms. Kuruva Sunitha (22X51A0572)
- The following students were participated in Umang-2K24(Anantapur Zonal Congress), organized by IEEE Hyderabad section students activities Committee in association with IEEE Anantha Puram sub-section at G Pulla Reddy Engineering College, Kurnool on 14-09-2024
  - Mr.Besta Uma Maheswar (23X51A0522)
  - Mr.Dudekula Chinna Jamalu (23X51A0550)
  - Mr.Dudekula Sharmash (23X51A0554)
  - Mr.Donthu Srinivas (23X51A0549)
  - Mr.Dudekula Huzaifa (22X51A0528)
  - Ms.Kasimsetty Anoosha (22X51A0555)
  - Ms.Koppera Ruchitha (22X51A0562)
  - Mr.Asadi Venkata Karthik(22X51A0506)
  - Mr.Namala Sreenivasulu(22X51A05A0)
  - Mr.P Somasekhar Reddy(22X51A05A3)
  - Mr.D M Varun Tej(21X51A0520)
  - Mr.Gadekari Jayasai Karthik(21X51A0530)
- 341 students were completed internship in Edu Skills Cohort 9.