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

VOLUME 11 | ISSUE 1 | 2025 - 2026



EDITOR IN CHIEF
Dr. S.Md.Farooq
Professor & HoD
CSE Department

EDITOR
Mrs.V.Lakshmi Chaitanya
Assistant Professor
CSE Department

STUDENT COORDINATORS
P.Somasekhar Reddy
Ediga Sneha
C Muthyala Bharathi
Akhilesh Chakali

NH-40, NANDYAL – 518 501, KURNOOL (Dt.), A.P, INDIA.

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Building Technology Driven Future





Dr. M.V. Subramanyam

Principal
Santhiram Engineering College

MESSAGE FROM THE PRINCIPAL

It gives me immense pleasure to see the continued growth of the Department of Computer Science & Engineering at SREC as a center of academic and technological excellence. "CSE CHRONICLE – The CSE NEWS LETTER" provides a valuable platform for students and faculty to share their knowledge, ideas, achievements, and technical insights. I appreciate the efforts of the editorial team and students in bringing out this edition and wish CSE CHRONICLE continued success in the years ahead.



Dr. S. Md. Farooq

Professor & HoD
Department of Computer Science & Engineering

MESSAGE FROM THE HEAD OF THE DEPARTMENT

It is my pleasure to congratulate the editorial team, faculty, and students for their sincere efforts in bringing out "CSE CHRONICLE – The CSE NEWS LETTER" This publication reflects the creativity, knowledge, achievements, and technical excellence of our department. I hope CSE CHRONICLE inspires our students and faculty to learn, innovate, and contribute meaningfully to future editions. I wish the entire team continued success.



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

Progressively increased from an initial intake of 60 to 300 in 2024

FACULTY STRENGTH

43
Faculty Members

Highly qualified, experienced and dedicated faculty

COMPUTING INFRASTRUCTURE

~700
Computers

High-speed internet connectivity for teaching, learning, research and administrative activities

MODERN LEARNING FACILITIES



Smart Boards in Classrooms



Projectors in Laboratories



UPS Power Backup



Air-Conditioned Laboratories

CORE TECHNOLOGY AREAS

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

PROFESSIONAL ASSOCIATIONS

- IEEE
- IE
- ISTE

DEPARTMENT ACHIEVEMENTS

1 Five-Year MoU
Signed with Mentorly on 12 September 2025

11 Programmes Conducted
FDPs, Alumni Talk, Awareness Programmes, Workshops, Hackathon (SIIH 2025), CODEX, Industrial Visit etc.

1 Industrial Visit
Two-day industrial visit to CodeBind Technologies

FACULTY ACHIEVEMENTS

6 Publication Outputs
Research papers in reputed journals and 3 book chapters

13 Faculty in Generative-AI FDP
Participated in National Level FDP (04-08-2025 to 08-08-2025)

5 FDPs / Workshops / NPTEL Certifications
Faculty members attended various FDPs, workshops and completed NPTEL certifications

1 Ph.D. Research Supervisor Appointment
Dr. S. Md. Farooq appointed as Research Supervisor in CSE

STUDENT ACHIEVEMENTS

5 Internship + Placement Selections
Selected in Infoskope Integrated Solutions with a package of ₹3.6 LPA

2 Students Ranked 7th in India
N. Harshitha and P. Swathi in National Inter College Crossword Expedition (NICE 25) Grand Finale

3 Ambassador Recognitions
Campus Ambassador, AISYWLC Ambassador and Unstop Campus Ambassador recognitions

2 South Zone National Championship Achievements
V. Husena (Handball) and N. Sharath Chandra Reddy (Football)

1 Academic Excellence Recognition
E. Sneha secured above 90% and eligible for ₹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.

DEPARTMENT PROFILE

COMPUTER SCIENCE & ENGINEERING



01 ESTABLISHMENT & INTAKE

Recognizing the growing demand for computer engineering professionals, the Institute established the four-year **B.Tech programme in Computer Science & Engineering** in **2007** with an initial intake of **60 students**, which has progressively increased to **300 students** in **2024**.



02 FACULTY STRENGTH & EXPERTISE

The Department of Computer Science & Engineering has a strong team of **43** highly qualified, experienced, and dedicated faculty members committed to academic excellence, innovation, and research. The faculty possesses expertise across diverse areas of technology, including **Computer Networks, Big Data, Cyber Security, Cloud Computing, Artificial Intelligence, Machine Learning,** and emerging technologies. The Department continuously encourages faculty development and provides opportunities for academic, industrial, and research collaboration.



03 INDUSTRY–ACADEMIA INTERACTION

The Department maintains strong industry–academia interaction and promotes professional engagement through associations such as **IEEE**, **IE**, and **ISTE**. These collaborations provide opportunities for research, knowledge sharing, technical events, faculty development, and student enrichment.

IEEE

IE

ISTE

04 INFRASTRUCTURE & FACILITIES

The Department is supported by well-equipped computer laboratories and modern computing infrastructure, with a network of approximately **700 computers** and high-speed internet connectivity for teaching, learning, research, and administrative activities. The classrooms are equipped with **smart boards** and modern digital teaching facilities, enabling interactive and technology-enabled learning. Additional facilities include **projectors**, uninterrupted power backup through **UPS systems, air-conditioned laboratories**, and other essential academic infrastructure.







05 OUR COMMITMENT

With its blend of qualified faculty, modern infrastructure, industry interaction, research opportunities, and technology-enabled learning, the Department strives to nurture **competent, innovative, and industry-ready computer science professionals.**



PROGRAMMES CONDUCTED:

1. THREE-DAY FACULTY DEVELOPMENT PROGRAM



The Department of CSE conducted A 3 - Day Faculty Development Program on "**Essential AI Tools for Education 4.0"** for CSE and EEE and MCA faculty members from 01-07-2025 to 03-07-2025 in association with IEEE Student Branch STB17901 and IEEE Computer Society SBC17901B. Mr.P.Bhaskar , Associate Professor and Mr.M.Amareswara Kumar, Assistant Professor of CSE Department acted as a resource persons for this program.

2. ALUMNI TALK



The Department of CSE conducted an alumni talk on *"***Microservices with Spring Boot – A Developer's Toolkit***"*, for third year students on 30-07-2025 in association with the SREC IEEE Student Branch STB17901 and IEEE Computer Society SBC17901B. Mr. B. Manikanta Reddy, Software Development Engineer Licious, Bangalore acted as resource person for this program

3. A NATIONAL LEVEL FACULTY DEVELOPMENT PROGRAM



The department of CSE conducted a NATIONAL LEVEL FDP ON **"GENERATIVE - AI" for** SREC faculties from 04-08-2025 to 08-08-2025 in association with Brain O Vision. Mr. Gundala Nagaraju, CEO, Smartmieten Tech pvt Ltd IIM, Calcutta acted as a resource person for this FDP.

4. ONE DAY AWARENESS PROGRAM



The Department of CSE conducted one day Awareness Program on JAVA EXPERTISE DEVELOPMENT PROGRAM BY ORACLE ACADEMY for third year students on 13-08-2025. Mr.Samuel Krupa Kiran, Assistant Professor, CSE Department acted as resource person for this program.

5. A Five-Day Workshop



The department of CSE conducted a Five-Day Workshop on "Integrating AI in Full Stack Web & Application Development" for third year students from 9-9-2025 to 13-9-2025 in association with SREC IEEE Student Branch and IEEE Computer Society-17901B. Mr.J.Vikash Kumar, Co-Founder, Mentorly, Hyderabad acted as resource person for this workshop.

6. A One Day Hackathon



The department of CSE conducted a One Day Hackathon on "**AI-Driven Full Stack Solutions**" for third year students on 14-09-2025 in association with SREC IEEE Student Branch and IEEE Computer Society 17901B. Mr.J.Vikash Kumar, Co-Founder, Mentorly, Hyderabad acted as a judge for this program.

7. ONLINE INTERNATIONAL CAREER DEVELOPMENT PROGRAM



The department of CSE conducted a INTERNATIONAL CAREER DEVELOPMENT

PROGRAM ON "SDG, ESG AND INDUSTRY INNOVATIONS" for all Faculty members and students of SREC from 15-09-2025 to 19-09-2025 in association with Brain O Vision.
Mr.Dinesh Kumar Balki, AI Generalist, Brain O Vision, Hyderabad acted as a resource person for this program.

8. ONE DAY AWARENESS PROGRAM



The Department of CSE conducted a One Day Awareness Program on Engineering Education for Mahatma Jyotirao Phule students on 17.09.2025 in association with SREC IEEE Student Chapter. Dr. S.Md. Farooq Professor of CSE Department acted as resource person for this program

9. SMART INDIA INTERNAL HACKATHON -2025



The Department of CSE conducted Smart India Internal Hackathon (SIIH) 2025 for all CSE students on 20-09-2025 in association with IIC and IEEE Student Branch STB17901 and IEEE Computer Society SBC17901B.

10. A ONE DAY CODING PROGRAM ON CODEX



The Department of CSE conducted a one-day coding program on CODEX for CSE students on 25-09-2025 in association with IIC and IEEE Student Branch STB17901 and IEEE Computer Society SBC17901B.

11. A TWO-DAY INDUSTRIAL VISIT



The Department of CSE organized a two-day industrial visit for code bind technologies from 29-09-2025 to 30-09-2025 in association with SREC IEEE Student Branch and IEEE Computer Society 17901B.

DEPARTMENT ACHIEVEMENT:

- The Department of CSE signed a **MOU with Mentorly** for Five Years on 12.09.2025.

FACULTY PUBLICATIONS:

- Dr.S.Md.Farooq, Professor published a technical paper entitled "Design and Implementation of a Socially Assistive Robot for Enhancing Health and Well-Being: A Multi-Domain Approach to Cognitive Support and Behavior Change" in Sustainable Energy, Materials, and Manufacturing Technology in AIP Conf. Proc. 3342, 080002-1–080002-7; under an exclusive license by AIP Publishing on SEPTEMBER 30 2025
- Dr. S. M. D. Farooq published three book chapters in the volume titled "Power, Energy, and Secure Smart Technologies", which was released on 16th July 2025. The titles of the book chapters are as follows:

  - Optimization of Power Loss Mitigation in Distribution Systems Using Hunter-Prey Optimization Algorithm for Multiple Types of DFACTS
  - Optimal Placement of Renewable-Based DG and DSTATCOM in Distribution Systems to Alleviate the Effects of EVCS
  - SPWM Fed MLI (Multi-Level Inverter) Configuration for Induction Motor Drive with Minimal Switch Count.

- Mrs. V. Lakshmi Chaitanya, Associate Professor published a technical paper entitled "HAASF: a Hybrid Adaptive AI Security Framework Leveraging Reinforcement Learning, GANs, and Swarm Intelligence for Resilient IoT Ecosystems" in the International Conference on Computational Robotics, Testing and Engineering Evaluation – ICCRTEE 2025.
- Mr.M. Amareswara Kumar, Assistant Professor published a technical paper entitled "Assessing Driver Alertness Utilizing

Open CV and Machine Learning" in power system technology.

FACULTY FDP ATTENDED

- Mr. A.V. Subbaiah Assistant professor of CSE Department, has participated in the Five-Day Faculty Development Program on "MACHINE LEARNING AND DEEP LEARNING" jointly organized by the Department of Emerging Technologies in Computer Science and Department of Computer Science & Engineering, G. Pulla Reddy Engineering College (Autonomous), Kurnool in association with Faculty Development Centre, Jawaharlal Nehru Technological University Anantapur, held from 07.07.2025 to 11.07.2025.

- Following faculty members were participated in International 5-Day Online **Professional Development Program** on "Future-Ready Skills in Data Science & AI: Bridging Academia with Industry Practice" organized by the Department of CSE – Data Science, MITS held from 21.07.2025 to 25.07.2025.
  - Mr.P.Bhaskar, Associate Professor
  - Mrs. M. Sharmila Devi, Assistant Professor.
  - Mrs.M.Anusha,Assistant Professor
- Mrs. M. Sharmila Devi, Assistant Professor has participated A Six Day **Faculty Development Program** on "Prompt Engineering and Chat GPT Utilization" Organized by the Department of Information Technology in Association with Techno Future India held from 14-07-2025 to 19-07-2025 at KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES (Autonomous) Vinjanampadu, Vatticherukuru Mandal, Guntur, Andhra Pradesh- 522017.
- Mrs. V. Lakshmi Chaitanya, Associate Professor or has Participated in **Faculty Development Program** on Cloud Computing Organized by the J B Institute of Engineering & Technology (JBIET), Hyderabad, Telangana. GITA Autonomous College, Bhubaneswar. Hyderabad Institute of Technology & Management (HITAM), Telangana R V Institute of Technology & Management (RVITM), Karnataka. Atma Malik Institute of Research & Technology (AMRIT),. in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 14-07-2025 to 18-07-2025.
- Mrs. V. Lakshmi Chaitanya, Associate Professor has Participated in 5 days Faculty Development Program on "AI, ML & Deep Learning for Autonomous Vehicles" held on 28-07-2025 to 01-08-2025, Organized by STEP-National Institute of Technology Karnataka in Association with Pantech e Learning
- Ms.S.Nazia Banu, Assistant Professor has Participated in Faculty Development Program on Data Analytics Using Power BI Organized by the Atria Institute of Technology (AIT), Autonomous, Bangalore, Karnataka. and Annasaheb Dange College of Engineering and Technology, Ashta, Maharashtra. in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 28-07-2025 to 01-08-2025.
- Mrs.V.Lakshmi Chaitanya, Associate Professor has participated in 12-Day Faculty Development Program on Quantum Computing Educator through the Faculty Development Program held from 01-08-2025 to 14-08-2025, organized by Blackbucks Group in collaboration with the International Institute of Digital Technologies (IIDT), Tirupati.
- Following Faculty members were participated in the **Faculty Development Program (FDP)** on "GENERATIVE AI" held from 04-08-2025 to 08-08- 2025, organized by Brain Vision Solutions India Pvt. Ltd., in collaboration with AICTE (All India Council for Technical Education) and hosted by SANTHIRAM ENGINEERING COLLEGE.
  - Dr.S.Md.Farooq, Professor
  - Mr.S.Md.RiyazNaik,Associate Professor
  - Mr.P.Bhaskar, Associate Professor
  - Mrs.V.LakshmiChaitanya, AssociateProfessor
  - Mr.M.AmareswaraKumar, Assistant Professor
  - Mrs.M.Sharmila Devi, Assistant Professor
  - Mr.KV.Sai Phani, Assistant Professor
  - Mr.P Subba Rao, Assistant Professor
  - Mrs.M Anusha, Assistant Professor
  - Mrs.O.Bhulakshmi, Assistant Professor
  - Mrs.M Jayamma, Assistant Professor
  - Mrs.S Nazia Banu, Assistant Professor
  - Mr.AV Subbaiah, Assistant Professor
- Mrs.V.Lakshmi Chaitanya, Associate Professor has Participated in Faculty Development Program on Quantum Computing Organized by the Ramrao Adik Institute of Technology, D Y Deemed to be
- University, Navi Mumbai New Horizon College of Engineering, Bengaluru, Karnataka. KIIT University Bhubaneswar, Odisha. in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 11-08- 2025 to 18-08-2025.
- Mr.P.Bhaskar, Associate Professor has

participated in one Day Online workshop on "Deep dive in to Java with Oracle Academy" Organized by the Oracle Academy held on 13.08.2025.

- Mrs.V.Lakshmi Chaitanya, Associate Professor successfully completed the Online **NPTEL course** Introduction to Quantum Computing: Quantum Algorithms and Qiskit with a consolidated score of 65 % held on Jul-Aug 2025.
- Mrs.M.Anusha, Assistant Professor successfully completed the Online **NPTEL course** Python for Data Science with a consolidated score of 57 % held on Jul-Aug 2025.

FACULTY ACHIEVEMENTS:

- Dr. S. Md. Farooq, Professor appointed as **Research Supervisor** for Ph.D Program in the Department of Computer Science and Engineering with effect from 04-07-2025 at ANNAMACHARYA UNIVERSITY Excellence In Education; Service To Society (Esto Under Ap Private Universities (Establishment And Regulation) Act, 2016) Rajampet, Annamayya District, A.P - 516126, India.
- Dr.S.Md.Farooq, Professor achieved in recognition of valuable contribution as a Reviewr during the 1st International Conference on Sustainability, Innovation & Technology (ICSIT 2025) held on 22.08.2025 to 23.08.2025
- Mrs.V.Lakshmi Chaitanya, Associate Professor has exceptional achievements and valuable contributions as a Reviewer for the International Conference on Advances and Trends in Engineering and Scientific Theory (ICATEST-2025).

STUDENT ACHIEVEMENTS

- J. Venkat Reddy (22X51A0548) selected as the Unstop Campus Ambassador at Santhiram Engineering college on July 2025.
- P.Soma Sekhar (22X51A5A3) has successfully attended the 5-Day Crash Course on Data Analysis with Python conducted by Innomatics Research Labs from 28th July, 2025 to 1st August, 2025. We laud your active participation & enthusiasm during the workshop.
- Modala Venkata Lakshmi Harshini (24X51A05J1) participated 120 hours of learning in 15 Sessions and Successfully Completed the Experiential Learning Program Duration: 02-07-2025 to 21-Ju1-2025 which was conducted by Santhiram Engineering College, Nandyal.
- The following Five CSE IV-I Students are selected for Internship cum placement drive held with Info spoke Integrated Solutions Hyderabad with a package of 3.6 LPA
  - ALAVALAPATIALEKHYA(22X51A0503)
  - BOKKASAM RITHIKA (22X51A0512)
  - GADDAM THARUNYA (22X51A0533)
  - JONNAGIRIVENKATREDDY(2X51A0548)
  - CHATLA ARUN KUMAR (23X55A0502)
- P. Swathhi (22X51A05G2) has qualified in NATIONAL INTER-COLLEGE CROSSWORD EXPEDITION 2025 SOUTH ZONE FINALS Held on the 02-08-2025 at IIT Madras.
- PANYAM SOMASEKHAR REDDY (22X51A05A3) selected has **CAMPUS AMBASSADOR** in recognition of the excellent initiatives and outstanding contributions Made during the Campus Ambassador Program Organized by the Glow Logics Solutions held on 25.08.2025.
- PANYAM SOMASEKHAR REDDY (22X51A05A3) selected as an AISYWLC 2025 **Ambassador**, hosted by the IEEE Gujarat Section. This recognition highlights your leadership, enthusiasm, and commitment to fostering innovation within the IEEE community held on 25.08.2025.
- EDIGA SNEHA (23X51A0558) having **secured above 90% marks**, is eligible for tuition fee reimbursement in the form of a Rs: 43,000/- cash amount.
- Ms. V. Husena (22X51A05F1) represented the college in the South Zone Handball National Championship 2024–25 and was awarded a **cash prize of ₹10,000.**
- Mr. N SHARATH CHANDRA REDDY (21X51A0587) represented the college in the South Zone FOOT BALL National Championship 2024–25 and was awarded a **cash prize of ₹10,000**.
- N.Harshitha (22X51A0595) and P.Swathi (22X51A05G2) IV-I CSE Students representation in GRAND FINALE and stood 7th in India in NATIONAL INTER COLLEGE CROSSWORD EXPEDITION NICE 25 held at AICTE auditorium New Delhi. Organized by AICTE. IIT MADRAS held on 09.09.2025 & 10.09.2025.
- Panyam Somasekhar Reddy (22X51A05A3) for his outstanding dedication and valuable contribution as a Student Network Member at IEEE Hyderabad Section, during the year 2024.