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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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DEPARTMENT GLANCE

OCTOBER - DECEMBER 2024

4 Programs Conducted

6 Faculty Participation in ATAL FDPs

5 Faculty Completed NPTEL Courses

3 Student Achievement Activities

PROGRAMS CONDUCTED 4

1 Alumni Talk Program
Unlocking Opportunities: Career Journey in Coding and Architecture"
15-10-2024



2 Online Workshop
Intellectual Property Rights (IPR) & Patents and Design filing
17-12-2024



3 Awareness Session
Importance of Innovations and the KAPILA Scheme
19-12-2024



4 Short Term Training Program
National Level STTP on JAVA FULL STACK WITH REACT JS & AI
02-12-2024 to 22-12-2024



FACULTY PARTICIPATION IN ATAL FDPs 6

1 One-week AICTE Training and Learning (ATAL) Academy FDP on "Cyber Security Essentials and Digital Forensics" (09-12-2024 to 14-12-2024) organized by Srinivasa Ramanujan Institute of Technology.

5 Faculty Members

- Mrs. V. Lakshmi Chaitanya
- Mr. P. Bhaskar
- Mrs. M. Sharmila Devi
- Mr. M. Amareswara Kumar
- Mrs. M. Anusha

2 One-week AICTE Training and Learning (ATAL) Academy FDP on "Block chain - Enabled IoT Networks with AI-Driven Automation: Transforming Smart Ecosystems for a Decentralized Future" (02-12-2024 to 07-12-2024) organized by Siddhartha Academy Of Higher Education Deemed To Be University- VRSE.

1 Faculty Member

- Mr. P. Subbarao

FACULTY NPTEL COURSE COMPLETIONS 5

1 Mrs. V. Lakshmi Chaitanya
12 weeks NPTEL course on "Programming in Java" (July to October 2024)

2 Mr. M. Amareswara Kumar
12 weeks NPTEL course on "Introduction to Internet of Things" (July to October 2024)

3 Mrs. M. Anusha
12 weeks NPTEL course on "Cloud Computing" (July to October 2024)

4 Mrs. M. Jayamma
12 weeks NPTEL course on "Cloud Computing" (July to October 2024)

5 Ms. S. Naziya Bhanu
12 weeks NPTEL course on "Cloud Computing" (July to October 2024)

STUDENT ACHIEVEMENTS 3

1 Participated in 9th A.P. State Junior Inter District Ball Badminton Championship
Organized by Visakhapatnam District Ball Badminton Association from 05-10-2024 to 07-10-2024.

- Mr. Pidathala Uday Kiran (23X51A05H0)
- Mr. N. Sharath Chandra Reddy (21X51A0587)

2 Selected for JNTUA Hand Ball South Zone University Championship
Organized by Pulivendula JNTU Engineering College on 15-11-2024.

- Mr. C. Srinivasa Reddy (21X51A0516)
- Ms. Vadla Husena (22X51A05F1)

3 Participated in Section Student Congress 2024
Organized by Student Activities Committee of IEEE Hyderabad Section held at Osmania University, Hyderabad, Telangana on 19-10-2024.

- Ms. Ummadi Hemalatha (22X51A05E9)
- Ms. Nichenametla Harshitha (22X51A0595)
- Ms. Koppera Ruchitha (22X51A0562)
- Ms. Sugali Sai Sudha (22X51A05E1)

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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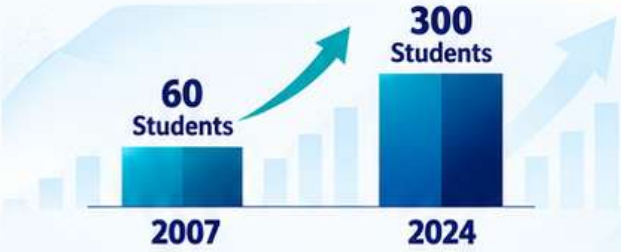
Building Technology Driven Future



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





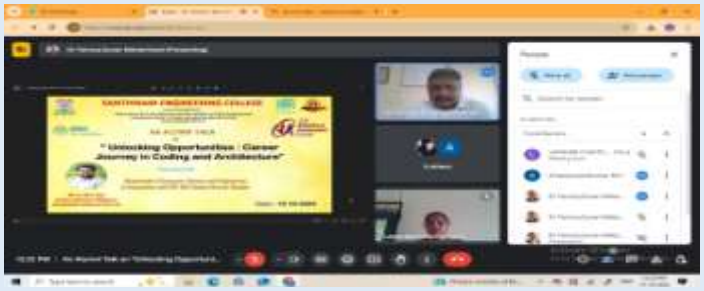
05 OUR COMMITMENT

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.AN ALUMNI TALK PROGRAM



conducted an "**Unlocking Opportunities: Career Journey in Coding and Architecture**" in association with IEEE RAS Student branch chapter-17901A on 15th October 2024. Mr.R.Ravi Teja, Senior Software Engineer, Inno minds Software Pvt Ltd acted as a resource person for this program

2. ONLINE WORKSHOP



conducted an **"Intellectual Property Rights (IPR) & Patents and Design filing** in association with IIC and IEEE RAS Student branch chapter-17901A on 17th December 2024. Dr. Bharat N Suryawanshi, Asst. Controller of Patents acted as a resource person for this program.

3.AN AWARENESS SESSION



conducted the Importance of Innovations and the KAPILA Scheme in association with R&D and IPR and IIC cell, IEEE RAS Student branch chapter-17901A on 19th December 2024. **Mr. Yogesh Brahmankar** acted as a resource person for this program.

4.SHORT TERM TRAINING PROGRAM



Conducted National Level STTP on JAVA FULL STACK WITH REACT JS &AI from 02-12-2024 to 22-12-2024 in online mode. Dr. Buddha Chandra Shekar chief coordinating Officer-AICTE acted as a resource person for this program

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

- Following faculty members were attended in one-week AICTE Training and Learning (ATAL) Academy Faculty Development Program on "Cyber Security Essentials and Digital Forensics" from 09-12-2024 to 14-12-2024 organized by Srinivasa Ramanujan Institute of Technology
  - Mrs. V.Lakshmi Chaitanya, Assistant Professor
  - Mr.P,Bhaskar, Assistant Professor
  - Mrs.M.Sharmila Devi, Assistant Professor
  - Mr.M.Amareswara Kumar, Assistant Professor
  - Mrs.M.Anusha, Assistant Professor

- Mr.P.Subbarao, Assistant Professor attended in one week AICTE Training and Learning (ATAL) Academy, Faculty Development Program on "Block chain - Enabled IoT Networks with AI-Driven Automation: Transforming Smart Ecosystems for a Decentralized Future" from 02-12-2024 to 07-12-2024 organized by Siddhartha Academy Of Higher Education Deemed To Be University- VRSE
- Mrs. V.Lakshmi Chaitanya, Assistant Professor completed 12 weeks **NPTEL** course on "Programming in Java" from July to October 2024.
- Mr.M.Amareswara Kumar, Assistant Professor completed 12 weeks **NPTEL** course on "Introduction to Internet of Things" from July to October 2024.
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- Mrs.M.Jayamma, Assistant Professor completed 12 weeks **NPTEL** course on "Cloud Computing" from July to October 2024.
- Ms.S.Naziya Bhanu Assistant Professor completed 12 weeks **NPTEL** course on "Cloud Computing" from July to October 2024.
- Mrs.O.Bhulakshmi, Assistant Professor completed 12 weeks **NPTEL** course on "Introduction to Internet of Things" from July to October 2024.
- Mr.M.Amareswara Kumar, Assistant Professor received IEEE membership

FACULTY JOURNALS/CONFERENCES:

- The Following Faculty Members were participated and presented technical papers 3rd International Conference on Optimization Techniques in the Field of Engineering (ICOFE-2024) organized by Department of Computer science & Engineering, K.S.R. College of Engineering, Namakkal, Tamila Nadu, India during 22nd & 23rd October, 2024.
  - Mr.K.V.Saiphani, Assistant Professor presented a paper entitled "Implementation Of Efficient Data Collection And Dissemination Strategies In Ad Hoc Networks Using Cooperative Diversity Techniques".

- Ms.S.Naziya Bhanu Assistant Professor presented a paper entitled “Development Of Satellite Communication Using Integrated Metamaterials Antenna Arrays With Deep Learning Techniques In Ka-Band Frequency”

- Dr. Farooq Sunar Mahammad, Professor has presented the following papers at the 1st International conference on Power Energy and Secure Smart Technologies (ICPEST-2024) held during 13 & 14 December 2024 at Chaitanya Bharathi Institute of Technology, Hyderabad, India
  - Titled with “Optimal Placement of Renewable Based DG and DSTATCOM in Distribution Systems to Alleviate the Effects of EVCS”
  - Titled with “Optimization of Power Loss Mitigation in Distribution Systems Using Hunter-Prey Optimization Algorithm for Multiple Types of DFACTS”
  - Titled with “SPWM Fed MLI (Multi-level Inverter) Configuration for Induction Motor Drive with Minimal Switch Count”

STUDENT ACHIEVEMENTS:

- Following students were participated in 9th A.P. State Junior Inter District Ball Badminton Championship organized by Visakhapatnam District Ball Badminton Association from 05-10-2024 to 07-10-2024.
  - Mr. Pidathala Uday Kiran (23X51A05H0)
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