

CONFIGURATIONS

A Bi-Annual News Letter of CSE Department

Volume – XIII Issue – II August 2026

*Technology
People
Ideas
Impact*

LEARN
EXPLORE
INNOVATE
TOGETHER



AI/ML



CLOUD



CYBERSECURITY



DATA SCIENCE



CODE
ANALYSE
DESIGN
DEVELOP
SOLVE
LEAD

INNOVATE | COLLABORATE | CREATE | TRANSFORM



St. Ann's College of Engineering & Technology
(Autonomous)

Chirala – 523 187, Bapatla District

Approved by AICTE – New Delhi, Permanantly Affiliated to JNTUK - Kakinada

Accredited by NBA and Institution of Engineers(INDIA)

Institution Accredited by NAAC with A Grade

Recognised by UGC under Section 2(f) & 12(B) of UGC Act, 1956

Awarded 'A' Grade by Andhra Pradesh State Government.

VISION To be a centre of excellence in Computer Science & Engineering, and to produce students with ability to address emerging challenges in global perspective with social concern.	MISSION • To impart quality education that builds strong computational knowledge and prepares students for global technological demands. • To develop analytical, design, and research capabilities enabling students to create innovative and sustainable engineering solutions. • To promote experiential learning through projects, internships, and hands-on exposure to modern tools and technologies. • To nurture responsible engineers with ethical values, societal awareness and a commitment to inclusive technological growth. • To encourage participation in research, consultancy, and community-oriented initiatives that enhance societal impact. • To encourage continuous professional growth by fostering adaptability, curiosity, and lifelong learning habits.			
Message From HOD Desk Warm greetings to all the students, faculty members, and staff of the Department of Computer Science and Engineering. As we celebrate India's 80th Independence Day on 15 August 2026, let us remember the sacrifices and vision of the great leaders who secured our freedom. This proud occasion inspires us to uphold the values of unity, responsibility, and dedication towards building a stronger nation. In this era of rapid technological advancement, let us continue to promote innovation, knowledge, research, and excellence. May our students and faculty contribute their skills and ideas towards building a progressive, self-reliant, and technologically empowered India. On this special occasion, I extend my heartfelt wishes to everyone. With best regards, Dr. P. Harini, Ph.D. Professor & Head of the Department Department of Computer Science & Engineering St. Ann's College of Engineering & Technology, Chirala. 				
BEST COMPLEMENTS FROM <table><tr><td>  Sri. V. Ramakrishna Rao Secretary </td><td>  Sri. S. Lakshmana Rao Correspondent </td><td>  Dr. K. Jagadeesh Babu Principal </td></tr></table>		 Sri. V. Ramakrishna Rao Secretary	 Sri. S. Lakshmana Rao Correspondent	 Dr. K. Jagadeesh Babu Principal
 Sri. V. Ramakrishna Rao Secretary	 Sri. S. Lakshmana Rao Correspondent	 Dr. K. Jagadeesh Babu Principal		
St. Ann's College of Engineering & Technology :: Chirala				

CONTENTS 1) Program Educational Objectives (PEOs) 2) Program Specific Outcomes (PSOs) 3) Program Outcomes (POs) 4) Faculty Development Programme 5) Faculty Publications 6) Student Workshops 7) Guest Lectures 8) Toppers 9) Placements 10) Student Corner: Tech Buzz 11) Student Corner: Puzzle Corner 12) Humour Box	PROGRAM EDUCATIONAL OBJECTIVES (PEOs) • PEO1: Apply fundamental knowledge and engineering principles to design, develop, test, and maintain reliable and efficient software systems that meet user and industry requirements. • PEO2: Build and implement software solutions to address needs in research, education, training, and e-governance, contributing to technological and societal advancement. • PEO3: Function effectively as professionals by working collaboratively in teams, using modern tools, standard development environments, and sound project management practices. • PEO4: Engage in lifelong learning, uphold ethical practices, enhance professional skills, and adapt proactively to evolving AI technologies and societal needs.
QUOTE!  “Read enough to develop your intuitions, then trust your intuitions.” — <i>Geoffrey Hinton</i> <i>(Pioneer of Deep Learning & Artificial Neural Networks)</i>	PROGRAM SPECIFIC OUTCOMES (PSOs) PSO1: Design, implement, and evaluate software solutions by applying core principles of algorithms, data structures, operating systems, and database technologies to meet specified functional and performance requirements. PSO2: Analyze and develop intelligent computing systems using computational techniques in artificial intelligence, machine learning, data analytics, and cloud technologies to solve real-world problems. PSO3: Architect, deploy, and manage secure and scalable computing environments by selecting appropriate tools, platforms, and frameworks for modern software development, networked systems, and enterprise applications.

PROGRAM OUTCOMES (REVISED)

PO1: Engineering Knowledge: Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.

PO2: Problem Analysis: Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development. (WK1 to WK4)

PO3: Design/Development of Solutions: Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required. (WK5)

PO4: Conduct Investigations of Complex Problems: Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & interpretation of data to provide valid conclusions. (WK8).

PO5: Engineering Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems. (WK2 and WK6)

PO6: The Engineer and The World: Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment. (WK1, WK5, and WK7).

PO7: Ethics: Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws. (WK9)

PO8: Individual and Collaborative Team work: Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams. **PO9: Communication:** Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences

PO10: Project Management and Finance: Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.

PO11: Life-Long Learning: Recognize the need for, and have the preparation and ability for i) independent and life-long learning ii) adaptability to new and emerging technologies and iii) critical thinking in the broadest context of technological change. (WK8)

FACULTY DEVELOPMENT PROGRAMME (FDP)

The faculty members of the Department of **Computer Science and Engineering** actively participated in a wide range of **Faculty Development Programmes** to strengthen their academic, technical, research, and pedagogical competencies.

The programmes covered emerging areas such as **Artificial Intelligence, Quantum Computing, ICT Tools, Research Writing, Accreditation, and Outcome-Based Learning**. These initiatives reflect the department's continued commitment to **continuous learning, professional excellence, and academic advancement**.

SELECTED FACULTY DEVELOPMENT PROGRAMME

S. No.	Faculty Name	Date(s)	FDP Title	Host Institution
1	Dr. Yezarla Chitti Babu	23 rd –27 th February 2026	How to Write Ph.D. Research Thesis (Concept for Multidisciplinary Subject)	Research Foundation of India, in association with Parul University, Gujarat
2	Dr RATNA RAJ MUKIRI	09 th -16 th February 2026	8 days Faculty Development Program on Practical Aspects of ICT Tools & Online Teaching in Current Scenario	RESEARCH FOUNDATION OF INIDA in association with PARUL University, GUJARAT.
3	Mr. N LAKSHM NARAYANA	19 th to 24 th January 2026	6-Days Online Faculty Development Program on Artificial Intelligence and It's Applications	GYANMANJARI INSTITUTE OF TECHNOLOGY in association with AICTE-ATAL.
4	Mrs. Anusha Mamidala	8 th –12 th June 2026	Agentic AI: MCP, A2A & Enterprise AI Agents	Khalsa College for Women, Civil Lines, Ludhiana; JB Institute of Engineering & Technology, Hyderabad; and SKN Sinhgad College of Engineering, Pandharpur, in collaboration with ExcelR Edtech Pvt. Ltd.

FACULTY PUBLICATIONS

Research and innovation are integral to the academic culture of the Department of **Computer Science and Engineering**. Our faculty members **actively contribute** to knowledge through quality research publications in **reputed journals** and **international conferences**. Their research spans emerging areas such as **Artificial Intelligence, Machine Learning, Deep Learning, IoT, Cyber Security**, and **Data Analytics**. These contributions reflect the department's commitment to academic excellence, innovation, and technological advancement.

A Few of the Publications

S.No	Author Name	Title	Journal/Conference
1	Dr. P. Harini	Deep Learning-Driven Emotion Recognition Through Facial Dynamics in Video Streams	International journal of Engineering Sciences and Advanced Technology, ISSN: 2250-3676, Volume 26, Issue 06, June 2026, pg: 612- 617, https://www.ijesat.com/ijesat/files/C9DeepLearningDrivenEmotionRecognitionThroughFacialDynamicsinVideoStreams_1780988045.pdf [UGC Care]
2	Dr. Y.Chitti Babu	A Multi-Sensor Stress Monitoring System Based on The Internet of Things Design and Implementation	IJDDT, Volume 16 Issue 6, 2026;16(5): 1627-1637. DOI: 10.25258/ijddt.16.5.148 Source , pg:1627-1637[SCOPUS]
3	Dr A. Tirupathaiah	Intelligent Forecasting of Power Consumption Through Machine Learning Techniques	American Journal of AI Cyber Computing Management, E-ISSN:3069-0102, Volume 6 Issue 02, https:// ajacm.com/journal/index.php/ajacm/article/view/ 635/592 , Published: 22-05-2026 , pg: 259-265[UGC Care]
4	Dr. Grandhi Prasuna	Artificial Intelligence–Driven Personalized Drug Delivery Systems: A Machine Learning Framework	IJDDT, Volume 16 Issue 20s, 2026 pg: 339-355 [SCOPUS PUBLISHED]
5	Dr. D. Nagesh Babu	Context-aware Text-to-Image Generation Model Using Fine-Tuned Stable Diffusion for Enhanced Visual Understanding, Creative Content, and Multimedia Applications	American Journal of AI Cyber Computing Management, E-ISSN:3069-0102, Volume 6 Issue 02, https:// ajacm.com/journal/index.php/ajacm/article/view/627/584 , Published: 22-05-2026 , pg: 197-204[UGC Care]

STUDENT WORKSHOPS

Workshops play a vital role in **enriching students' practical knowledge** and preparing them for emerging technologies. The Department of **Computer Science and Engineering** organizes **industry-oriented workshops** to provide hands-on learning experiences. These programmes help students **develop technical skills**, explore **contemporary tools**, and **bridge the gap between academic learning and industry requirements**. The following workshops highlight the department's efforts towards enhancing students' knowledge and professional competencies.



S.No	Title	Offered By	Level	Duration	Resource Person(s)	Designation	No. of Students Enrolled
1	Quantum Computing	Jhaishna Technologies Pvt. Ltd., Vijayawada	III B.Tech	17-02-2026 to 21-02-2026	Ms. Kasula Prathima	Quantum AI Trainer	212
2	ServiceNow	NextGen Scholars Pvt. Ltd.	III B.Tech	23-03-2026 to 28-03-2026	Mr. J. Vamsi Krishna	Director	213
3	Generative AI	Sri Shilpa Engineers Pvt. Ltd.	II B.Tech	23-03-2026 to 28-03-2026	Mr. Ravi Teja	DevScope Engineer	215
4	ServiceNow	NextGen Scholars Pvt. Ltd.	II B.Tech	30-03-2026 to 04-04-2026	Mr. J. Vamsi Krishna	Director	215

GUEST LECTURES

Guest lectures provide students with valuable **opportunities to learn** directly from **experienced academicians and industry professionals**. The Department of Computer Science and Engineering organizes expert sessions to expose students to **emerging technologies, practical knowledge**, and current industry trends. These interactions enrich classroom learning and help students gain **broader perspectives** on professional and technological developments.



S.No	Title	Offered By	Level	Date	Resource Person	Designation	No. of Students Enrolled
1	Edge Computing	APSSDC	II B.Tech	07-03-2026	Mr. R. Ranganayakulu	Technical Skill Trainer, Multi Skill Trainer	120

TOPPERS

Academic excellence is a defining strength of the Department of **Computer Science and Engineering**, reflected in the **remarkable achievements** of our students. Through dedication, perseverance, and a strong commitment to learning, our toppers have secured outstanding positions in their respective semesters. Their success serves as a source of inspiration to their peers, motivating them to pursue **excellence** and reach greater heights in their academic journey.

I YEAR II SEM

Sl.No	Roll.No	Student Name	%
1	25F01A0505	AMARTHALURI KARTHIK	83.72
2	25F01A05H0	NEERUKATTU GAYATHRI	82.99
3	25F01A05N2	TATA DAAKSHINYA	82.26
4	25F01A05L5	SHAIK SHABINA	82.26
5	25F01A05H9	PALETI SUPRIYA	81.77

II YEAR II SEM

Sl.No	Roll.No	Student Name	%
1	24F01A05E0	PATAN RASHIN	85.83
2	24F01A05C4	NAKKALA GAYATRI	85.36
3	24F01A05D7	PAPANA SAI VILASINI	83.45
4	24F01A05G8	SHAIK ABDUL RIHAN	82.5
5	24F01A0591	KOLASANI VEERLANKAMMA	82.5

III YEAR II SEM

Sl.No	Roll.No	Student Name	%
1	23F01A0550	GOLI DEEPTHI	85.98
2	23F01A0516	BINGINENI LAVANYA	83.8
3	23F01A05E7	PITTU TRIVENI	83.8
4	23F01A0564	INDLA VENKATA LAKSHMI PARVATHI	83.8
5	23F01A05H4	SOMISETTY KALYANI	83.37

IV YEAR II SEM

Sl.No	Roll.No	Student Name	%
1	22F01A05C2	PAPADESU GAYATRI	92.5
2	22F01A05C9	PIKKI DURGA PRASAD	92.5
3	22F01A05I8	VEMA PAVITHRA	92.5
4	23F05A0501	GAMPALA SANTOSH	92.5
5	23F05A0505	SHAIK NAJEER SULTHAN	92.5

PLACEMENTS

The Department of **Computer Science and Engineering** takes pride in the **successful placement achievements** of its students from the **2022–2026** Batch. Through continuous **academic learning, skill development, training, and career-oriented preparation**, our students have secured opportunities with **reputed organizations** across **diverse industry domains**. The placement accomplishments reflect the **dedication** of our students and the department's **commitment** to preparing graduates for **successful professional careers**.

Major Placement Highlights

S. No	Roll Number	Student Name	Company
1	22F01A0512	Bethapudi Dorka	AMAZON
2	22F01A05D2	Polani Keerthi Varshini	DELOITTE
3	22F01A0542	Gandikota Pavani	VERISK
4	22F01A05J3	Vurata Madhuri	NAGARRO
5	22F01A0578	Kotha Venkata Lakshmi Sahithi	DIMERCO
6	22F01A0503	Akula Lakshmi Priyanka	INFOSYS
7	22F01A0511	Barlapudi Pallavi Krishna	TCS
8	22F01A0522	Charan Kakumanu	TCS
9	22F01A0507	Annamneedi Hemanth	NEC
10	22F01A0548	Godavarthi Siva Kalyan	HEXAWARE
11	22F01A0509	Bachu Venkata Naga Bavana	ADIT
12	22F01A05F8	Shaik Zeenath Kousar	DELOITTE
13	22F01A05C8	Perugu Koti Sai Prakash	TCS
14	22F01A05G1	Siva Naga Sai Deepthi Vulli	INFOSYS
15	22F01A05D5	Pothini Tharun Sai	AMAZON

The **placement season** for the graduating batch (2022–2026) witnessed **commendable success**, with students securing opportunities in leading **IT companies, multinational organizations**, and technology-driven enterprises including **Amazon, Deloitte, Infosys, TCS, NEC, Hexaware, Verisk, Nagarro, Dimerco, Concentrix, ADIT**, and several other reputed recruiters. The department proudly **congratulates** all the placed students and **wishes** them **continued success** and a **rewarding professional career**.

TECH BUZZ

Elicit – AI-Powered Research Assistant



In today's rapidly evolving research landscape, students and researchers often face challenges in finding, analysing, and understanding large volumes of academic literature. **Elicit** is an AI-powered research assistant designed to make the research process faster, easier, and more organized.

The platform helps users search for relevant research papers, summarize key findings, extract useful information, and support literature reviews. By using Artificial Intelligence, Elicit enables researchers to explore scientific evidence efficiently and gain valuable insights from academic studies.

Elicit serves as a useful companion for students, faculty members, and researchers working on research projects. Instead of spending extensive time manually reviewing numerous papers, users can organize and analyse research findings in a structured manner.

Website: [Elicit \(https://www.elicit.com\)](https://www.elicit.com)

Access: Free and Paid Plans Available

Advantages

- AI-powered search for academic research papers
- Helps in literature reviews and research analysis
- Summarizes and extracts key information from studies
- Saves time in reviewing large volumes of research
- Useful for students, researchers, and academicians

Caution

- AI-generated results should always be verified with original sources
- Important research conclusions should not be accepted without proper review
- The quality of results depends on the available research evidence

Article by



K. Ratna Kumari
23F01A0583



PUZZLE CORNER

Think > Debug > Solve > Repeat



Algo Maze

Consider the following code snippet:

```
int x = 0;
for(int i = 1; i <= 5; i++) {
    x += i++;
}
System.out.println(x);
```

What is the output?

- A) 10
- B) 12
- C) 15
- D) 20



Logic Gates Riddle

Three switches A, B, and C control a system.

- The system turns ON only if A and B are ON, or if C is ON.
- The system turns OFF otherwise.

Which of the following Boolean expression represents the system?

- A) (A OR B) AND C
- B) (A AND B) OR C
- C) A AND (B OR C)
- D) (A OR B OR C)



Find the Bug

Observe the Python code:

```
nums = [10, 20, 30, 40]
for i in range(len(nums)):
    if nums[i] % 2 == 0:
        print(nums[i])
    else
        print("Odd")
```

What is the issue in the code?

- A) Indentation error
- B) Missing colon (:)
- C) Incorrect range
- D) Invalid print statement



Data Detective

A database table **STUDENTS** has the following columns:

(RollNo, Name, Branch, Year)

Which SQL query will correctly display the names of all CSE students from the final year (Year = 4)?

- A) SELECT Name FROM STUDENTS WHERE Branch = 'CSE' AND Year = 4;
- B) SELECT Name FROM STUDENTS WHERE Branch = CSE AND Year = '4';
- C) SELECT Name FROM STUDENTS WHERE Branch = 'CSE' OR Year = 4;
- D) SELECT Name FROM STUDENTS WHERE Branch = 'CSE' && Year = 4;



"Puzzles are the gym for your brain, and CSE is the playground!"

Puzzles By



D. Eswar Lakshmi Tirumala Sai
23F01A0532



PUZZLE CORNER

ANSWERS



Algo Maze

Answer: A) 10

Explanation:

The loop starts with $i = 1$ and runs while $i \leq 5$. In each iteration, $x += i++$ uses the current value of i , then increments i twice (once due to $i++$ in the expression and once due to $i++$ in the for loop). Values added to x : 1, 3, 5 $\rightarrow x = 10$.

Hence, the output is 10.

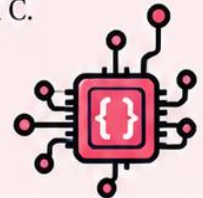


Logic Gates Riddle

Answer: B) (A AND B) OR C

Explanation:

The system is ON when both A and B are ON (A AND B), or when C is ON. This is represented as (A AND B) OR C.



Find the Bug

Answer: B) Missing colon (:)

Explanation:

In Python, the else statement must be followed by a colon (:).

Correct code:

```
else:
    print("Odd")
```



Data Detective

Answer: A) SELECT Name FROM STUDENTS WHERE Branch = 'CSE' AND Year = 4;

Explanation:

This query correctly filters students whose Branch is 'CSE' and Year is 4. Options B, C, and D have syntax or logical errors.



*"Puzzles are the gym for your brain,
and CSE is the playground!"*

Keep Thinking!

HUMOUR BOX

Same Students...
Same Chaos...
Different Day!

The Day the Wi-Fi Became the Class Topper!



In the life of CSE students, every signal counts!

It was the day of an important online coding assessment. Everyone entered the lab looking confident, carrying laptops, chargers, and enough tension to power a small city.



The faculty announced:

You have one hour.
All the best!



Everyone quickly opened the assessment link.



The panic (and the creativity) began!

Try refreshing the page!

Restart the browser!

Switch off the Wi-Fi and switch it on again!



Some students even started moving around the lab searching for a stronger signal.

Try sitting near the window!

No, the signal is better near the door!



Finally, after several minutes, the Wi-Fi returned.

It's back!!!



One student quietly said:

Today we learned something important:
In CSE, the most powerful technology is not AI... it's a stable Wi-Fi connection!



Moral of the Incident:

A CSE student's confidence level is directly proportional to the strength of the Wi-Fi signal!



CSE Students
Connected by Code, United by Wi-Fi!

LEARN
DEBUG
LAUGH
REPEAT

Because every CSE story has a little bit of chaos and a lot of fun!

By



B NAGA TEJA MANIKANTA
23F01A0518

Editor's Note

As we conclude this edition, we proudly reflect on a journey filled with **Learning, Innovation, Achievements, and Memorable Experiences**. Every section of this newsletter reflects the enthusiasm, creativity, and collective spirit of our **CSE Family**.

We sincerely thank **Dr. P. Harini, Head of the Department of CSE**, for her constant guidance and encouragement, **Dr. K. Jagadeesh Babu, Principal**, for his visionary leadership and support, and the **Institution Management** for their continued encouragement.

A special thanks to our **Faculty, Faculty Mentor Mrs. M. Anusha, Staff Members, and Fellow Students** for making this newsletter possible.

Thank you for being part of our journey. We look forward to sharing more **Achievements, Innovations, and Inspiring Stories** in the next edition.

— Student Editorial Team
Department of Computer Science and Engineering

Student Editorial Team

 G. V. S. P. Ganesh (23F01A0553) Chief Editor	 P.N. Praveen (23F01A05D2) Associate Editor	 S.V.N. Akash (23F01A05G2) Design & Technical Editor	Faculty Mentor 
 Ch. Yamini (23F01A0524) Content & Documentation Editor	 L. Pujitha (23F01A05A4) Proofreading Editor	 S. Sravanthi (23F01A05G0) Creative Editor	Mrs. M. Anusha Assistant Professor

FREEDOM
IGNITES
BRIGHTER
TOMORROWS



YEARS OF
INDEPENDENCE

*"A free India
is a brighter India."*

*Let us cherish
our freedom and work
towards a stronger,
brighter nation.*

UNITED
IN DIVERSITY
STRONGER
TOGETHER

HAPPY
Independence
DAY
2026

*Jai
Hind!*

PROUD PAST | STRONGER TOMORROW



A STRONGER INDIA | A BRIGHTER TOMORROW



EDUCATE
TODAY



INNOVATE
TOMORROW



BUILD
TOGETHER



FOR A
GREATER INDIA