

CONFIGURATIONS

A BI-Annual Newsletter
Department of Computer Science & Engineering

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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 students, faculty members, and staff of the Department of Computer Science and Engineering. The beginning of a new year is a time to reflect, refocus, and move forward with renewed determination. As we step into 2026, let us continue to nurture a culture of innovation, discipline, and continuous learning. In today’s rapidly evolving technological landscape, staying adaptable and committed to excellence is more important than ever. The consistent efforts of our students and faculty in academics, research, and co-curricular activities contribute significantly to the strength and reputation of the department. Let us work together with dedication and a positive mindset to achieve greater milestones. Wishing everyone success in their endeavours. I also extend my heartfelt wishes to all on the occasion of Republic Day—may we uphold the values of our nation and contribute to its growth and development. 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				

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QUOTE!  “You don’t understand anything until you learn it more than one way.” — Marvin Minsky <i>(Pioneer of Artificial Intelligence & Founder of AI Discipline, MIT)</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)

Faculty Development Programme (FDP) are organized initiatives aimed at enhancing the **knowledge**, **skills**, and **professional competencies** of faculty members and also focus on updating **teaching methodologies**, **research capabilities**, and **emerging technological trends** in various domains. FDPs play a crucial role in improving **academic quality** and fostering **continuous professional growth** in higher education institutions.

SELECTED FACULTY DEVELOPMENT PROGRAMME

S. No.	Faculty Name	Date(s)	FDP Title	Host Institution
1	Dr. P. Harini	01-12-2025 to 10-12-2025	Faculty Development Programme on Quality Assurance & Institutional Reputation	JNTU Kakinada
2	Dr. P. V. Subbaramasarma	18-08-2025 to 23-08-2025	One Week FDP on Quantum Computing Algorithms and Future Directions	SRKR Engineering College, Bhimavaram
3	Dr. Y. Chittibabu	13-10-2025 to 18-10-2025	6-Day FDP on Introduction to Quantum Computing	NIT Warangal & VJIT Hyderabad
4	Dr. Amarthaluri Tirupathaiah	13-10-2025 to 18-10-2025	6-Day FDP on Introduction to Quantum Computing	NIT Warangal & VJIT Hyderabad
5	Dr. M. Ramesh	13-10-2025 to 18-10-2025	6-Day FDP on Introduction to Quantum Computing	NIT Warangal & VJIT Hyderabad
6	Dr. Prasuna Grandhi	01-12-2025 to 10-12-2025	Faculty Development Programme on Quality Assurance & Institutional Reputation	JNTU Kakinada
7	Dr. Nagesh Babu Dasari	13-10-2025 to 18-10-2025	6-Day FDP on Introduction to Quantum Computing	NIT Warangal & VJIT Hyderabad
8	Mr. N. Lakshmi Narayana	19-01-2026 to 24-01-2026	Faculty Development Programme on Artificial Intelligence and Its Applications	Gyanmanjari Institute (AICTE–ATAL)

FACULTY PUBLICATIONS

The Department of Computer Science and Engineering takes pride in the **research accomplishments** of its faculty members. Through **publications** in **prestigious journals** and **international conferences**, our **faculty continue to contribute** to the advancement of **knowledge and innovation** in diverse areas of computing and emerging technologies.

The following publications highlight their **commitment to research excellence**, scholarly contribution, and the pursuit of solutions to real-world challenges through technology.

S.No	Author Name	Title of the Paper	Journal / Conference
1	Dr. P. Harini	Hybrid SVM–Random Forest Framework for Early Detection and Risk Prediction of Diabetes Mellitus	<i>IEEE ICICNIS-2025</i> https://doi.org/10.1109/ICICNIS66685.2025.11315635
2	Dr. Y. Chitti Babu	An IoT-Enabled Hybrid Deep Learning Framework for Smart Town Traffic Accident Prevention	<i>IEEE ICICNIS-2025</i> https://doi.org/10.1109/ICICNIS66685.2025.11315704
3	Dr. M. Ratna Raju	Hybrid CNN-LSTM Model for Predictive Career Guidance and Entrepreneurial Development	<i>IEEE ICCMC-2025</i> https://ieeexplore.ieee.org
4	Dr. Grandhi Prasuna	Graph Neural Network–Machine Learning Model for Network-Aware Economic Risk Forecasting	<i>IEEE ICACRS-2025</i> https://ieeexplore.ieee.org
5	Dr. P.V.S Sarma	Multi-Network Contrastive Learning Model for Financial Risk Assessment and Prediction	<i>IEEE ICICNIS-2025</i> https://doi.org/10.1109/ICICNIS66685.2025.11315748
6	Dr. D. Nagesh Babu	Optimized Electric Vehicle Charging using Hybrid Reinforcement–Supervised Learning	<i>IEEE ICICNIS-2025</i> https://doi.org/10.1109/ICICNIS66685.2025.11315757
7	Mr. S. Amarnath Babu	Secure Attribute-based Hybrid Blockchain–Deep Learning Framework for Cloud Data Verification	<i>IEEE ICICNIS-2025</i> https://doi.org/10.1109/ICICNIS66685.2025.11315756
8	Mrs. Madhuri Draksharam	Multi-Class Glaucoma Detection Using Deep Learning Attention Vision Transformer Model	<i>MMEP Journal (Nov 2025)</i> https://doi.org/10.18280/mmep.121110

STUDENT WORKSHOPS

The Department of Computer Science and Engineering is committed to fostering practical knowledge and industry-oriented skills among students. Through a series of workshops conducted during the academic year, students gained hands-on experience in emerging technologies, enhanced their technical competencies, and developed problem-solving abilities essential for their professional growth.



S.No	Title	Offered By	Duration	Resource Person(s)	Designation
1	Salesforce Certification Training	NextGen Scholars Pvt. Ltd., Hyderabad	25-08-2025 to 30-08-2025	Mr. J. Vamsi Krishna	Director
2	Salesforce Certification Training	NextGen Scholars Pvt. Ltd., Hyderabad	01-09-2025 to 09-09-2025	Mr. J. Vamsi Krishna	Director
3	Data Structures & Algorithms	Lara Technologies Pvt. Ltd., Bangalore	09-10-2025 to 18-10-2025	Mr. B. Ramesh Reddy	Managing Director
4	Paper Writing	TR Tech Solutions, Hyderabad	13-10-2025 to 18-10-2025	Ms. V. Lakshmi, Mr. P. Uday Kiran	Senior Project Engineer, Project Engineer
5	Data Structures & Algorithms	Lara Technologies Pvt. Ltd., Bangalore	05-01-2026 to 10-01-2026	Mr. B. Ramesh Reddy	Managing Director

GUEST LECTURES

The Department of Computer Science & Engineering **regularly** organizes **guest lectures** by distinguished **academicians**, **industry experts**, and **professionals** to enrich the learning experience of students beyond the classroom.

These sessions provided students with **valuable exposure** to **current trends**, **practical applications**, and **career opportunities**, helping them develop both technical expertise and professional competencies.



S. No.	Title	Offered By	Class	Date	Resource Person	Designation	No. of Students
1	Soft Skills for a Seamless Transition from Academia to Industry	Jozuna Pvt. Ltd.	IV B.Tech	23-08-2025	Mr. Sree Krishnan	President – Numentica LLC, USA & Chief Executive Officer	211
2	Emotion Detection Using AI & Applications	National Institute of Technology	IV B.Tech	11-10-2025	Dr. T. Kishore Kumar	Professor	211
3	Enriching Language Skills for Academic and Professional Excellence	KITSW	II B.Tech	11-10-2025	Dr. W. Grace Shanthi	Professor	215
4	Deep Dive into Cryptocurrencies	APSSDC	III B.Tech	20-01-2026	Ms. P. Indu Priya	Technical Skill Trainer & Multi Skill Trainer	206

TOPPERS

Academic excellence is a **hallmark** of the Department of Computer Science and Engineering, and our toppers exemplify this spirit through their **outstanding performance** and unwavering commitment to learning.

We proudly **recognize and congratulate** these **high achievers** for securing top positions in their respective semesters. Their **success serves as an inspiration** to fellow students, encouraging them to strive for excellence and reach greater academic heights.

I year I Sem

S. No	HTNO	Student Name	%
1	25F01A0505	AMARTHALURI KARTHIK	87.88
2	25F01A05H0	NEERUKATTU GAYATHRI	86.86
3	25F01A0549	CHAVALI DEEPIKA	84.81
4	25F01A05H3	NUTHALAPATI NAGA JYOTHIRMAYEE	84.81
5	25F01A05H6	PAGOLU CHANDANA PRIYA	84.29

II year I Sem

S. No	HTNO	Student Name	%
1	24F01A05G8	SHAIK ABDUL RIHAN	86.5
2	25F05A0508	DAMISETTY BHAGYA SRI	83.5
3	24F01A05G0	SAJJA ASWINI	83.5
4	24F01A05E0	PATAN RASHIN	82
5	24F01A05D7	PAPANA SAI VILASINI	82

III Year I sem

S. No	HTNO	Student Name	%
1	23F01A05G0	SALAGALA SRAVANTHI	89.89
2	23F01A05G4	SAVANAM HEMAKSHI	88.59
3	23F01A05B8	MORAPAKULA TRIVENI	88.59
4	23F01A05F6	RAVURI HEPSIBA	87.72
5	23F01A05B0	MANYAM KUSUMANJALI	87.28

IV Year I Sem

S. No	HTNO	Student Name	%
1	22F01A0578	KOTHA VENKATA LAKSHMI SAHITHI	84.67
2	22F01A05A4	NASAKA LIKHITHA	83.37
3	22F01A0597	MURIKIPUDI RAMYA	82.07
4	22F01A05B7	PALETI SUSHMA	82.07
5	22F01A0535	DUDDU ELISHA	82.07

PLACEMENTS

The Department of Computer Science & Engineering is delighted to announce the encouraging ongoing **placement season** for the graduating **2022–2026 batch**. Our students have already **secured employment opportunities** in **several reputed organizations**, reflecting their strong technical foundation, problem-solving abilities, and industry readiness.

These achievements are the result of **continuous training initiatives, aptitude development programs, coding practice sessions, industry interactions**, and the **dedicated efforts** of both **students and faculty**. Several students have demonstrated **exceptional performance** by securing **multiple job offers**, highlighting the **quality and competitiveness** of our graduates.

Notable Early Placement Achievements

S. No.	Roll No.	Student Name	Company/Companies Selected
1	22F01A05G1	Siva Naga Sai Deepthi Vulli	Infosys, TCS, Concentrix
2	22F01A05C8	Perugukoti Sai Prakash	TCS, Concentrix
3	22F01A0511	Barlapudi Pallavi Krishna	TCS, CodeTantra
4	22F01A0505	Amara Sri Sai Sudha Amrutha Varshini	Sutherland Global Services, Concentrix
5	22F01A05D2	Polani Keerthi Varshini	Deloitte
6	22F01A05F8	Shaik Zeenath Kousar	Deloitte
7	22F01A05F7	Shaik Suffia Kowsar	Infosys
8	22F01A0563	Karpoorapu Vani Priya	Infosys
9	22F01A05I6	Veesam Mallikarjuna	TCS
10	22F01A0522	Charan Kakumanu	TCS
11	22F01A0578	Kotha Venkata Lakshmi Sahithi	Dimerco
12	22F01A05C5	Pathan Jani	Concentrix
13	22F01A05A3	Naralasetti Gnana Kusuma	Concentrix
14	22F01A05J8	Yetukuri Sradha	Concentrix
15	22F01A05I4	Valluri Harini	Concentrix

Placement Season Continues...

The placement drive for the **2022–2026 batch** is **still in progress**, with several leading organizations scheduled to conduct recruitment drives in the coming months. The department is confident that many more students will secure promising career opportunities and further strengthen the placement record of the batch.

The CSE Department **congratulates** all the placed students and wishes them continued success in their professional journeys.

TECH BUZZ



roadmap.sh

Roadmaps, Guides and Learning Paths for Developers

In today's rapidly evolving technology landscape, students often face challenges in deciding what to learn and in what sequence. **Roadmap.sh** is a community-driven platform that provides structured learning paths for various technology domains, helping students navigate their career journey effectively.

The platform offers detailed roadmaps for roles such as Frontend Developer, Backend Developer, Full Stack Developer, DevOps Engineer, Data Analyst, AI Engineer, Cybersecurity Specialist, and many more. Each roadmap visually outlines the skills, tools, frameworks, and concepts required to master a particular domain.

Roadmap.sh serves as a comprehensive guide for students seeking clarity in their learning journey. Instead of spending time searching for what to learn next, students can follow a well-organized path curated by industry professionals and experienced developers.

The platform also provides interactive learning resources, project ideas, best practices, interview preparation materials, and skill assessments. Whether a student is preparing for internships, placements, or higher studies, Roadmap.sh acts as a reliable companion for continuous learning and professional growth.

Free Tier / Student Access

Website: <https://roadmap.sh>

Access: Completely Free

Advantages

- Structured learning paths for multiple career domains
- Covers Web Development, AI, Data Science, DevOps, Cybersecurity, and more
- Beginner-friendly & Regularly updated according to industry trends
- Helps students plan skill development systematically
- Useful for internship and placement preparation

Caution

- Primarily a guidance platform; practical implementation must be done separately
- Some advanced topics may require external learning resources
- Students should complement roadmaps with hands-on projects

Article by

G. V. S. P. Ganesh
(23F01A0553)

PUZZLE CORNER								
 Cache Clash A programmer says: "I deleted the file." The file disappears. Five minutes later it reappears. Who is the most likely culprit? A) RAM B) Cache C) Keyboard D) CPU Fan	 Bug Hunt A developer writes: if(x = 5) instead of if(x == 5) The program compiles successfully. What just happened? A) Compiler bug B) Logic bug C) Syntax error D) Hardware failure							
 Binary Betrayal A student says: "I know binary." So, his friend asks: What comes after 1111₂ ? The student immediately says: 1112₂ What should the answer be? A) 1112₂ B) 10000₂ C) 1000₂ D) 0000₂	 The Hacker's Lock A hacker discovers a 4-digit PIN. Clues: 682 → One digit is correct and in the correct position. 614 → One digit is correct but in the wrong position. 206 → Two digits are correct but in the wrong positions. 738 → No digit is correct. 780 → One digit is correct but in the wrong position. Find the PIN.							
<i>Puzzles by</i> <table> <tr> <td>Ch. Yamini</td><td>L. Pujitha</td><td>S. Sravanthi</td></tr> <tr> <td>(23F01A0524)</td><td>(23F01A05A4)</td><td>(23F01A05G0)</td></tr> </table>			Ch. Yamini	L. Pujitha	S. Sravanthi	(23F01A0524)	(23F01A05A4)	(23F01A05G0)
Ch. Yamini	L. Pujitha	S. Sravanthi						
(23F01A0524)	(23F01A05A4)	(23F01A05G0)						

PUZZLE CORNER :: ANSWERS

❏ Cache Clash

Answer: B) Cache

A **cache** is a temporary storage area that keeps copies of frequently accessed data so that it can be retrieved quickly.

Sometimes, when a file is deleted:

- The actual file may be removed from storage.
- However, a cached copy may still exist.
- The operating system, browser, cloud service, or application may continue displaying the cached version.
- When the cache refreshes or synchronizes, the file may appear again or seem to "come back."

🕸 Bug Hunt

Answer: B) Logic Bug

The compiler happily accepts the statement because $x = 5$ is a valid assignment operation.

Instead of **checking** whether x equals 5, the code actually **assigns** the value 5 to x . Since the assigned value is non-zero, the condition evaluates to **true**.

As a result, the if block executes even when it shouldn't.

The syntax is correct, so no compilation error occurs—but the program's logic is wrong.

⚡ Binary Betrayal

Answer: B) 10000₂

Binary numbers use only **two digits: 0 and 1**.

The number **1111₂** is the largest 4-bit binary value, equal to **15 in decimal**.

Adding 1 to 1111₂ causes a carry to propagate through all four bits.

Just like $999 + 1$ becomes 1000 in decimal, **1111₂ + 1 becomes 10000₂**.

The digit **2** does not exist in the binary number system, so **1112₂** is impossible.

Binary's golden rule: when you run out of 1s, start a new place value!

❏ The Hacker's Lock

Answer: PIN = 042

From **738**, digits 7, 3, and 8 are not in the PIN.

From **780**, the digit 0 is correct but in the wrong position.

From **682**, only 2 can be correct and it is in the 3rd position.

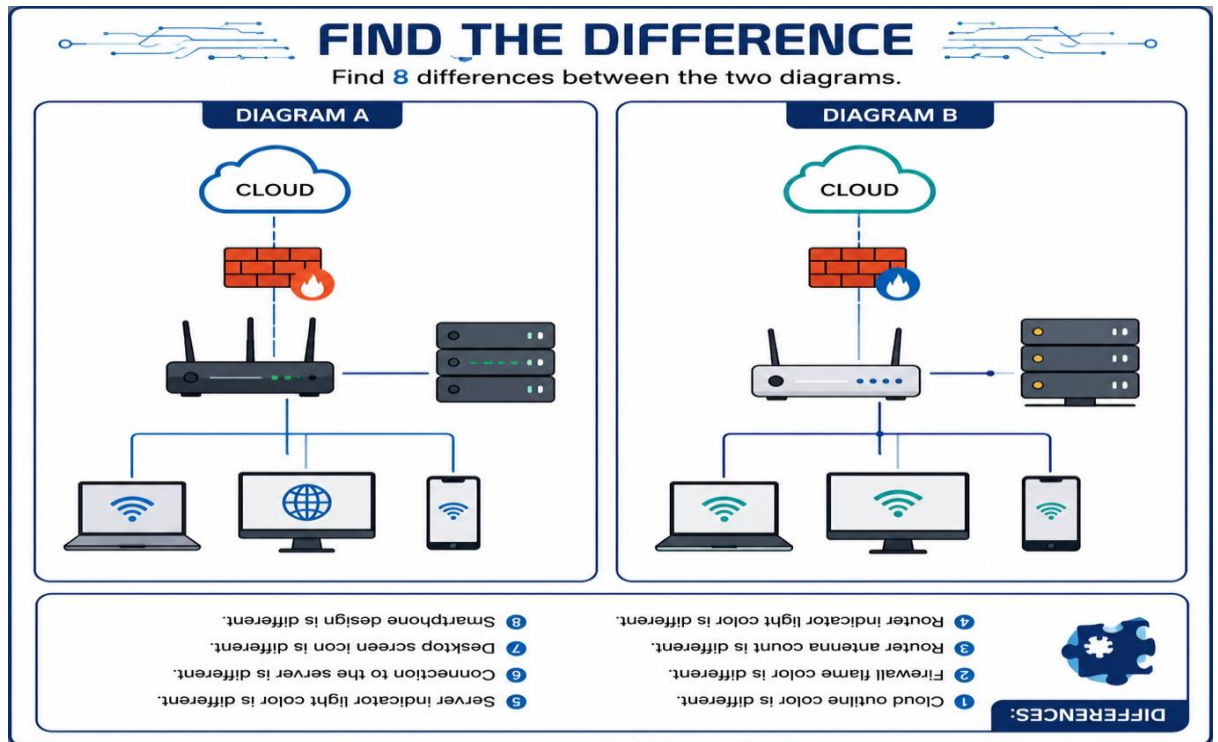
From **206**, digits 2 and 0 are correct but both are misplaced.

Therefore, 6 is not part of the PIN.

From **614**, only 4 is correct but in the wrong position.

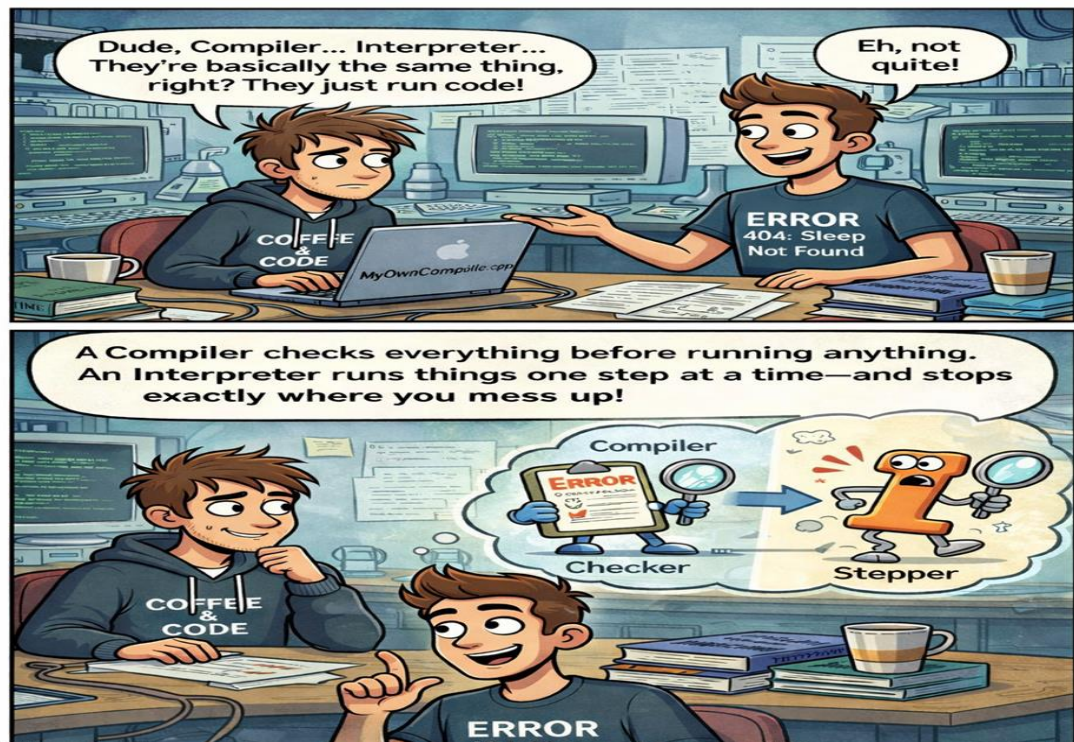
So, 4 must be placed in the middle position.

🔒 Therefore, the PIN is **042**.



By
P.N. Praveen (23F01A05D2)

THE HUMOUR CORNER



Editor's Note

As we conclude this edition of our newsletter, we reflect on a semester filled with **Learning, Innovation, Achievements, and Memorable Experiences**. From technical workshops and student accomplishments to emerging technologies and engaging puzzles, every section reflects the enthusiasm and collective spirit of our **CSE Family**.

This newsletter stands as a reflection of our **Learning Culture, Achievements, and Aspirations**, inspiring us to think critically, learn continuously, and embrace new opportunities.

We express our heartfelt gratitude to **Dr. P. Harini, Head of the Department of CSE**, for her constant encouragement and guidance, and to **Dr. K. Jagadeesh Babu, Principal**, for his visionary leadership and unwavering support. We also thank the **Institution Management** for their immense support.

A special note of appreciation goes to **Department Faculty & our Faculty Mentor Mrs. M. Anusha, Staff Members, and Fellow Students** whose contributions and enthusiasm made this newsletter possible.

Thank you for being a part of our journey. We look forward to bringing you more **Stories, Achievements, Innovations, and Ideas** 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



Happy Republic Day

On this Republic Day, let us honor the values that build our nation and pledge to work towards a stronger, more inclusive, and prosperous future for all. May our Constitution continue to inspire us.

Jai Hind!