

IDEAS  
PEOPLE  
TECHNOLOGY  
SOCIETY  
A BRIGHTER  
TOMORROW

# TechVista

An Annual Magazine of Department of Computer Science and Engineering

VOLUME IV | SEPTEMBER 2026

*Technology  
Today  
A Brighter  
Tomorrow*

LEARN  
CREATE  
SOLVE  
TRANSFORM

ALGORITHMS  
DATA SCIENCE  
CLOUD COMPUTING  
CYBER SECURITY  
SOFTWARE SYSTEMS  
ARTIFICIAL INTELLIGENCE  
HUMAN-CENTRIC TECH

INNOVATION  
RESEARCH  
SUSTAINABILITY  
GLOBAL PERSPECTIVE  
REAL WORLD IMPACT  
LIFELONG LEARNING  
BRIGHTER TOMORROW

# CSE

COMPUTER SCIENCE  
AND ENGINEERING

*Engineering  
Ideas for a  
Better Tomorrow*



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

Chirala – 523 187, Bapatla District

Approved by AICTE – New Delhi, Permanently 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.



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## A Message from the Head of the Department

**“True progress begins when ideas are shared, efforts are united, and every individual is empowered to grow.”**

It is with great pride and pleasure that I present this edition of **TECH VISTA**, the annual technical magazine of the **Department of Computer Science & Engineering**. This publication celebrates the creativity, accomplishments, innovations, and diverse talents that continue to shape our **CSE community**.



Our department strives to create an environment founded on **excellence, inclusiveness, and continuous learning**, where academic success goes hand in hand with personal and professional development. We believe that education extends beyond the classroom—it should cultivate **confidence, curiosity, creativity, leadership, and integrity**.

As we move forward, let us embrace every challenge as an opportunity, every idea as a possibility, and every achievement as a shared success.

**Together, let us learn with purpose, innovate with passion, and progress with confidence.**

**Dr. P. Harini,**  
**Professor and Head of the Department,**  
**Computer Science & Engineering.**

## A Word from the Principal

It is a matter of great satisfaction to witness the publication of **TECH VISTA**, the annual magazine of the **Department of Computer Science and Engineering**. This edition stands as a reflection of the dedication and enthusiasm of our students and faculty, bringing together their **ideas, experiences, innovations, accomplishments, and creative pursuits** throughout the year.



I extend my best wishes to the entire department for continued growth and achievement. May the **CSE community** keep **inspiring curiosity, encouraging innovation, developing talent, and creating meaningful contributions** to the ever-evolving world of technology.

**Dr. K. Jagadeesh Babu**  
**Principal**

**St. Ann's College of Engineering & Technology**

## Greetings from the Secretary & Correspondent

**Sri Vanama Rama Krishna Rao,**

**Secretary – St. Ann’s College of Engineering & Technology**



I firmly believe that **technical education can be a powerful force for positive change**, and the Department of **Computer Science and Engineering** truly embodies this vision. Along with academic excellence, the department actively promotes **innovation, entrepreneurship, research, and meaningful community engagement**.

Through outreach initiatives, hackathons, and socially relevant projects, the CSE community continues to extend its impact beyond the campus, particularly by addressing the needs of rural communities. I sincerely appreciate the **faculty and students of CSE** for their dedication to developing not only competent technologists but also **responsible and socially conscious citizens**, contributing significantly to the growth of our institution.

**Sri Srimanthula Lakshmana Rao,**

**Correspondent – St. Ann’s College of Engineering & Technology**



As Correspondent, it has been a privilege to witness the **remarkable growth** of the Department of **Computer Science and Engineering**. Its commitment to academic excellence, research, innovation, and strong placement outcomes has played a **significant role** in strengthening the **reputation and progress** of St. Ann’s College of Engineering and Technology.

With its emphasis on **emerging areas** such as Artificial Intelligence, Data Science, and Cybersecurity, the department continues to prepare **students to meet** the evolving demands of the **technology-driven world**.

I deeply **appreciate** the dedication of the faculty and students and their continued pursuit of excellence, which remains an important part of our institution’s journey toward **greater achievements**.

## 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.**

**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)

## 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.

## 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.

## CSE – Inspiring Minds, Creating the Future

The **Department of Computer Science and Engineering** has continued to advance with remarkable progress, driven by **academic excellence, innovation, and a spirit of continuous learning**. The department remains focused on equipping students with the knowledge, skills, and confidence needed to succeed in a rapidly evolving technological world.

Our **students** have distinguished themselves through academic achievements, **scholarships, coding competitions, competitive events, and impressive placement opportunities**. Their dedication and perseverance have resulted in careers with leading technology organizations and achievements that bring great pride to the department.

Our **faculty** have played a vital role in this journey through their contributions to **research, publications, patents, projects, and professional collaborations**. Their commitment to innovation and knowledge creation continues to inspire students to explore new ideas and move beyond conventional thinking.

These accomplishments reflect the collective strength of our **students and faculty** and the department's unwavering pursuit of excellence. Moving ahead, CSE remains committed to **nurturing talent, encouraging innovation, embracing emerging technologies, and preparing the next generation of professionals to create meaningful impact in the digital world**.



## Faculty – Shaping Knowledge, Inspiring Innovation

The faculty of the Department of Computer Science & Engineering continue to strengthen the department through their dedication to **research, innovation, academic excellence, and professional growth**. Their work in emerging technologies and real-world problem solving is reflected through meaningful **research publications, projects, collaborations, and scholarly contributions**.

Beyond their academic achievements, faculty members serve as **mentors, innovators, and academic leaders**, encouraging students to think critically, explore new ideas, and transform their knowledge into practical solutions.

Their commitment to continuous learning and collaboration creates a strong connection between **theory and practice**, fostering a dynamic academic environment that extends beyond the classroom. Through their collective efforts, they inspire students to become **skilled, innovative, and future-ready professionals**, while contributing to the advancement of technology and society.



## Faculty Development – Learning, Growing, Leading

**Faculty Development Programmes (FDPs)** play an important role in strengthening teaching and professional capabilities. They provide educators with opportunities to **update their knowledge, acquire new skills, explore emerging technologies, and exchange ideas with peers**. Through continuous participation and active involvement in FDPs, our faculty embrace **lifelong learning, professional growth, and knowledge sharing**, ultimately contributing to improved teaching practices and a stronger culture of **academic excellence and innovation**.

### FDPs Attended

Faculty members of the **Department of Computer Science & Engineering** actively participated in numerous external **Faculty Development Programmes**. The programmes covered emerging areas such as **Artificial Intelligence, Quantum Computing, AI-based Research, ICT Tools, Online Teaching, Accreditation, Outcome-Based Learning, and Research Methodologies**, with participation from reputed institutions including **JNTUK, NIT Warangal, NPTEL–IIT Madras, Research Foundation of India, and AICTE–ATAL**.

### A Few Highlights

| Area / Programme                                                                                | Institution / Organizer                                                                                                     |
|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Introduction to Quantum Computing</b>                                                        | Centre for Training and Learning, <b>NIT Warangal</b> , in association with Vidya Jyothi Institute of Technology, Hyderabad |
| <b>Research Writing using AI Tools</b>                                                          | <b>Academia Insight, Institute of Research Studies, UDYAM</b>                                                               |
| <b>Practical Aspects of ICT Tools &amp; Online Teaching</b>                                     | <b>Research Foundation of India</b> in association with <b>Parul University, Gujarat</b>                                    |
| <b>Artificial Intelligence and Its Applications</b>                                             | <b>Gyanmanjari Institute of Technology</b> in association with <b>AICTE–ATAL</b>                                            |
| <b>Quality Assurance and Institutional Reputation: Accreditation and Rankings</b>               | <b>JNTUK, Kakinada</b>                                                                                                      |
| <b>Accreditation and Outcome-Based Learning</b>                                                 | <b>NPTEL–AICTE, IIT Madras</b>                                                                                              |
| <b>Quantum Computing Algorithms and Future Directions</b>                                       | <b>SRKR Engineering College, Bhimavaram</b>                                                                                 |
| <b>International Trends in AI and Supercomputing for Climate, Energy &amp; Health</b>           | <b>Srinivasa Institute of Engineering and Technology</b> in association with <b>AICTE–ATAL</b>                              |
| <b>Frontiers of Artificial Intelligence: Theories, Frameworks and Cutting-Edge Applications</b> | <b>St. George's College, Aruvithura</b> , in association with <b>AICTE–ATAL</b>                                             |

## FDPs Organised

The **Department of Computer Science & Engineering** continued its commitment to faculty enrichment by organizing **Faculty Development Programmes during the Academic Year 2025–2026**, providing opportunities for educators to strengthen their technical expertise and explore emerging technologies.

The programmes focused on contemporary areas such as **Deep Learning, Neural Networks, and Generative AI**, with sessions led by industry and technical experts from **Make Skilled Team, Hyderabad, and APSSDC, Vijayawada**. These initiatives encouraged knowledge sharing, practical learning, and continuous professional development among faculty members.

### Highlights

- The CSE Department organized **2 Faculty Development Programmes** during **2025–2026**.
- The programmes covered emerging areas including **Deep Learning, Neural Networks, and Generative AI**.
- The FDPs were conducted by experienced resource persons from **industry and APSSDC**, providing practical and contemporary insights.

| Area / Programme                         | Date              | Resource Person / Organizer                                               |
|------------------------------------------|-------------------|---------------------------------------------------------------------------|
| <b>Deep Learning and Neural Networks</b> | 18–23 August 2025 | <b>Mr. Madhu Parvathaneni</b> , CEO, Make Skilled Team, Hyderabad         |
| <b>Generative AI</b>                     | 09–14 March 2026  | <b>Mr. Appala Ravi Teja</b> , Technical Skill Trainer, APSSDC, Vijayawada |



## Faculty as Resource Persons in STTP/FDP Events

The **Department of Computer Science & Engineering, St. Ann's College of Engineering & Technology, Chirala**, actively encourages its faculty members to share their expertise and contribute to the academic and professional development of the wider technical community. During the **Academic Year 2025–26**, faculty members of the department served as **Resource Persons in various Short-Term Training Programmes (STTPs) and Faculty Development Programmes (FDPs)** organized by reputed engineering institutions.

The programmes covered contemporary areas of Computer Science and Engineering, including **Artificial Intelligence, Machine Learning, Cyber Security, Data Structures, Web Development, Database Technologies, Networking, and Python Programming**. These engagements provided faculty members with opportunities to disseminate their knowledge, interact with fellow academicians, and contribute to continuous professional development beyond the institution.



### Highlights of Faculty Engagement as Resource Persons

- Faculty has participated as Resource Persons in various STTPs/FDPs during the academic year 2025–26.
- Faculty members contributed as resource persons across reputed institutions in Guntur, Ongole, Eluru, and Macherla.
- The programmes covered a wide range of contemporary Computer Science & Engineering domains, including:

**Artificial Intelligence and Machine Learning, Cyber Security and Cryptography, Data Structures and Algorithms, Data Mining, Web and Full Stack Development, Python Programming, Database Technologies, Software-Defined Networking (SDN)**

## From Learning to Innovation: Advancing CSE Excellence

The **Department of Computer Science & Engineering** continues to strengthen a culture of **continuous learning, professional development, research, and innovation** among its faculty members. During the **Academic Year 2025–2026**, faculty members actively enhanced their knowledge through **NPTEL certifications** while transforming emerging technological ideas into innovative contributions through **Patent Publications**.

**Dr. M. Ratna Raju Mukiri** was honoured with the prestigious **NPTEL Discipline Star – Appreciation Certificate**, recognizing her consistent commitment to **NPTEL learning, academic excellence, and continuous professional development**.



### A few of the Highlights

| S.No. | Name of the Faculty    | Name of Course Passed                                                         | Course Offered by (agency)                      | Grade obtained if any       |
|-------|------------------------|-------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------|
| 1     | Dr. P. Harini          | OBE and Accreditation , July-Oct 2025                                         | NPTEL, Indian Institute of Science, Bangalore   | 90% Elite+Gold              |
| 2.    | Dr Yezarla Chitti Babu | Introduction to Quantum computing: Quantum algorithms and Qiskit Jan-Feb 2026 | NPTEL, Indian Institute of Technology, Madras   | 51%                         |
| 3.    | Dr. Nageshbabu Dasari  | Cryptography and Network Security Jan-Apr 2026                                | NPTEL, Indian Institute of Technology Kharagpur | 84% Elite+ Silver+ Toper 5% |

## Patent Publications

Faculty members transformed their **research ideas into innovative technological solutions**, securing patent publications across emerging areas such as **AI, Machine Learning, Quantum Computing, Cybersecurity, Healthcare, Cloud Computing, Blockchain, and NLP**.

### Selected list of Patents

| S.No | Author Name                 | Title of the Invention                                                                                                            | Details                                                                                   |
|------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 1    | Dr P Harini                 | METHOD AND SYSTEM FOR QUANTUM MACHINE LEARNING-BASED PATTERN RECOGNITION AND PREDICTIVE ANALYTICS                                 | Application No: 202641000187 A<br>Filed date: 02/01/2026<br>Publication Date : 16/01/2026 |
| 2    | Dr YEZARLA CHITTIBABU       | METHOD AND SYSTEM FOR HIGH-SPEED AND RESOURCE-EFFICIENT ARTIFICIAL INTELLIGENCE COMPUTATION USING QUANTUM COMPUTING ARCHITECTURES | Application No: 202641000193 A<br>Filed date: 02/01/2026<br>Publication Date : 16/01/2026 |
| 3    | Dr. Ratna Raju Mukiri       | MACHINE LEARNING-INTEGRATED IMAGE PROCESSING DEVICE FOR EARLY-STAGE BREAST TUMOR DETECTION AND CLASSIFICATION                     | Application No.202541127996 A<br>Filed date: 17/12/2025<br>Publication Date : 02/01/2026  |
| 4    | Dr AMARTHALURI THIRUATHAIAH | METHOD AND SYSTEM FOR QUANTUM CRYPTOGRAPHY-BASED SECURE DATA ENCRYPTION AND DECRYPTION USING QUANTUM KEY DISTRIBUTION             | Application No. 202641000189 A<br>Filed date: 02/01/2026<br>Publication Date : 16/01/2026 |
| 5    | Dr PRASUNA GRANDHI          | METHOD AND SYSTEM FOR SYNTHETIC DATA GENERATION AND DATASET AUGMENTATION USING GENERATIVE ADVERSARIAL NETWORKS                    | Application No. 202641000192 A<br>Filed date: 02/01/2026<br>Publication Date : 16/01/2026 |

## Research Frontiers: From Ideas to Impact

The **Department of Computer Science & Engineering** continues to strengthen its research culture through sustained contributions to **scholarly publications, emerging technologies, and knowledge creation**. During the **Academic Year 2025–2026**, faculty members demonstrated remarkable research engagement through **journal and conference publications**, reflecting their commitment to academic excellence, innovation, and contemporary technological advancement.

The faculty research spans diverse and emerging domains including **Artificial Intelligence, Machine Learning, Deep Learning, Quantum Computing, Cybersecurity, Natural Language Processing, Healthcare Analytics, Blockchain, Cloud Computing, IoT, Data Science, Computer Vision, Generative AI, and Intelligent Systems**.

### Major Publication Platforms and Category / Indexing

| S.No. | Major Publication Platform                                                                                          | Category / Indexing                         |
|-------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| 1     | IEEE Xplore                                                                                                         | IEEE / International Conference Publication |
| 2     | Springer Nature – Lecture Notes in Networks and Systems (LNNS)                                                      | SCOPUS Indexed                              |
| 3     | IJDDT – International Journal of Drug Delivery Technology                                                           | SCOPUS Indexed                              |
| 4     | Journal of Theoretical and Applied Information Technology (JATIT)                                                   | SCOPUS Indexed                              |
| 5     | International Journal of Engineering Sciences and Advanced Technology (IJESAT)                                      | UGC CARE                                    |
| 6     | International Journal of Engineering Research and Science & Technology (IJERST)                                     | UGC CARE                                    |
| 7     | American Journal of AI Cyber Computing Management (AJACCM)                                                          | UGC CARE                                    |
| 8     | International Journal of Data Science and IoT Management System (IJDIM)                                             | UGC CARE                                    |
| 9     | Journal of Science Engineering Technology and Management Science (JSETMS)                                           | UGC CARE                                    |
| 10    | International Journal for Research Trends and Innovation (IJRTI)                                                    | UGC CARE                                    |
| 11    | International Journal for Research in Applied Science & Engineering Technology (IJRASET)                            | UGC CARE                                    |
| 12    | International Conference on Recent Artificial Intelligence Innovations in Computing and Engineering (ICRAIICE-2025) | Conference Publication – ISBN               |

**Details of Faculty Publications (2025-26):**

| S.NO        | FACULTY NAME           | DESIGNATION      | JOURNALS |                | CONFERENCES |                |
|-------------|------------------------|------------------|----------|----------------|-------------|----------------|
|             |                        |                  | NATIONAL | INTER NATIONAL | NATIONAL    | INTER NATIONAL |
| 1           | Dr. P.Harini           | Professor        | -        | 02             | -           | 11             |
| 2           | Dr. Y.Chitti Babu      | Professor        | -        | 07             | -           | 07             |
| 3           | Dr. M.Ratna Raju       | Professor        | -        | 07             | -           | 08             |
| 4           | Dr A. Tirupathaiah     | Assoc. Professor | -        | 06             | -           | 07             |
| 5           | Dr. K. SubbaRao        | Assoc. Professor | -        | 06             | -           | -              |
| 6           | Dr. Grandhi Prasuna    | Assoc. Professor | -        | 07             | -           | 07             |
| 7           | Dr. D. Nageshbabu      | Assoc. Professor | -        | 06             | -           | 07             |
| 8           | Dr. P.V.S Sarma        | Assoc. Professor | -        | 06             | -           | 10             |
| 9           | Mr.S.Amarnath Babu     | Assoc. Professor | -        | -              | -           | 02             |
| 10          | Mr.N.Lakshmi Narayana  | Asst. Professor  | -        | 06             | -           | 06             |
| 11          | Mr.T. Sesha Sai        | Asst. Professor  | -        | 04             | -           | 04             |
| 12          | Mrs.Madhuri Draksharam | Asst. Professor  | -        | 04             | -           | 03             |
| 13          | Mrs. N. Sulakshna      | Asst. Professor  | -        | 01             | -           | 01             |
| 14          | Mrs. V.L N S Swapnika  | Asst. Professor  | -        | 01             | -           | 01             |
| 15          | Mr. K.Ramesh           | Asst.Professor   | -        | 02             | -           | 01             |
| 16          | Mr. K.Kiran Kumar      | Asst.Professor   | -        | 01             | -           | 01             |
| 17          | Mr. K.Ramesh Babu      | Asst.Professor   | -        | 02             | -           | 02             |
| 18          | Mrs. P.Sindhura        | Asst.Professor   | -        | 01             | -           | 01             |
| 19          | Mrs.M.Anusha           | Asst.Professor   | -        | 01             | -           | 01             |
| Sub Toatal  |                        |                  | -        | 70             | -           | 80             |
| Grand Total |                        |                  | 150      |                |             |                |

**Selected 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, <a href="https://www.ijesat.com/ijesat/files/C9DeepLearningDrivenEmotionRecognitionThroughFacialDynamicsinVideoStreams_1780988045.pdf">https://www.ijesat.com/ijesat/files/C9DeepLearningDrivenEmotionRecognitionThroughFacialDynamicsinVideoStreams_1780988045.pdf</a> [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]                                                                                                                                                                                                                                                                                                              |

## Faculty Authorship

The literary contributions of the faculty members during the academic year **2025–2026** reflect the Department's commitment to **academic scholarship, knowledge dissemination, and professional excellence**. These scholarly works contribute to the advancement of knowledge in emerging areas of **Artificial Intelligence, Deep Learning, and Internet of Things**, while serving as valuable resources for students, researchers, and academicians.

**Dr. Ratna Raju Mukiri**

### Deep Learning Architectures, Algorithms and Applications

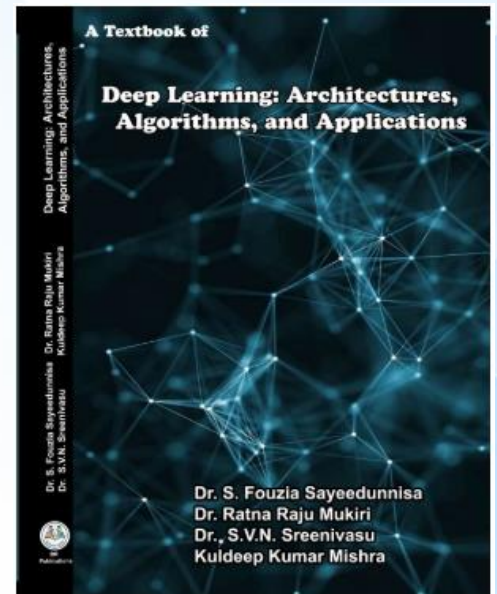
**Authors:**

Dr. S. Fouzia Sayeedunnisa, **Dr. Ratna Raju Mukiri**, Dr. S. V. N. Srinivasu, Kuldeep Kumar Mishra

**ISBN:** 978-81-69372-64-0

**Key Concepts Covered:**

The book provides an overview of **deep learning architectures, algorithms, and their practical applications**. It focuses on the fundamentals and evolving methodologies of deep learning, highlighting computational approaches and their applications in solving real-world problems across various domains.



**Available at:**

[BR Publications – Deep Learning Architectures, Algorithms and Applications](#)

**Publisher:** BR Publications | **National Publication** | **2026**

**Dr. Amarthaluri Tirupathaiah****Internet of Things and Artificial Intelligence: Fundamentals and Applications**

**Authors:** Dr. Amarthaluri Tirupathaiah, Prof. (Dr.) Jaya Dipti Lal, Dr. Murali Anumothu, Dr. A. L. Siridhara

**ISBN:** 978-81-69372-16-9

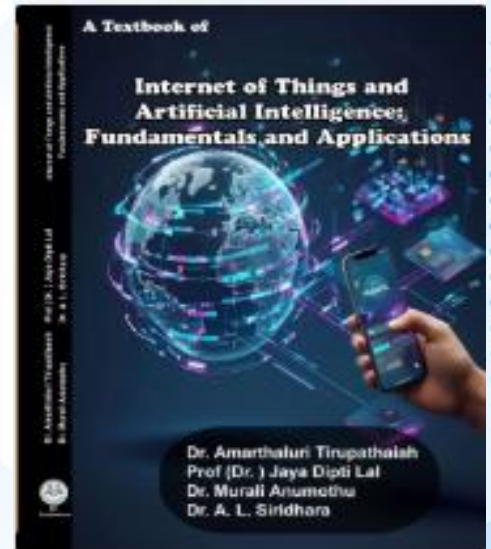
**Key Concepts Covered:**

The book explores the **fundamentals and applications of Internet of Things (IoT) and Artificial Intelligence (AI)**. It focuses on the integration of intelligent technologies with connected devices, data-driven systems, and emerging applications, providing a foundation for understanding the role of **AI and IoT in modern technological environments**.

**Available at:**

[BR Publications – Internet of Things and Artificial Intelligence: Fundamentals and Applications](#)

**Publisher:** BR Publications | **National Publication** | **June 5, 2026**

**AI-Driven Engineering Applications for Smart and Sustainable Systems (Book Chapter)**

**Authors:** Poonam Saini, Bharat Singh Deora, R. Jegadeesan, S. Muthurajan, **Dr. Amarthaluri Tirupathaiah**, L. Sunanda

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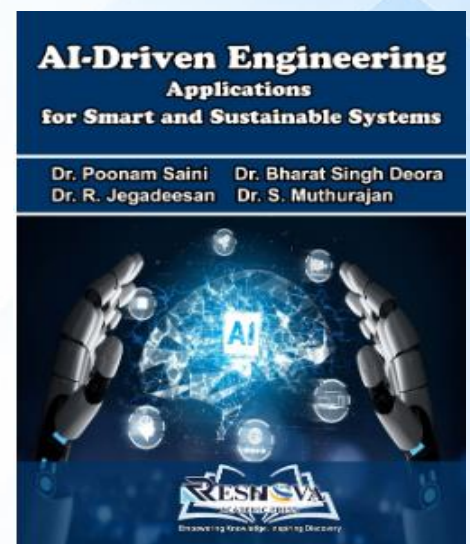
**Key Concepts Covered:**

The book chapter examines **AI-driven engineering applications for smart and sustainable systems**, highlighting the role of **Artificial Intelligence in intelligent engineering solutions, sustainable development, automation, and smart systems**. It focuses on emerging AI technologies and their potential to address modern engineering and sustainability challenges.

**Available at:**

[BR Publications – Book Chapter](#)

**Publisher:** BR Publications | **National Publication** | **June 19, 2026**



## Students – Shaping Tomorrow Through Innovation

Students are the **vibrant spirit and driving force** of the Department of **Computer Science and Engineering**. Their curiosity, creativity, determination, and enthusiasm for technology turn learning into **innovation, achievement, and meaningful impact**.

Beyond the classroom, our students continue to make their mark through **technical competitions, hackathons, certifications, internships, research, sports, cultural activities, and community initiatives**. Each accomplishment reflects their growing confidence, diverse talents, and readiness to embrace the challenges of a rapidly evolving technological world.

**We proudly celebrate the achievements, talents, experiences, and aspirations of our students as they learn, innovate, and grow into the technology leaders of tomorrow.**



## Academic Toppers

The **Academic Toppers** of the CSE Department exemplify **dedication, perseverance, and a relentless pursuit of excellence**. Their success stands as a source of **pride and inspiration**, encouraging fellow students to set higher goals, embrace challenges, and strive for **greater academic and professional achievements**.

### 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 |

**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<br>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<br>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 – Shaping Careers, Creating Opportunities

The Department of **Computer Science & Engineering** takes immense pride in the remarkable placement achievements of the **2022–2026 batch**. With **84 students securing placements** across a diverse range of reputed organizations, the department continues its commitment to equipping students with the knowledge, technical skills, and professional confidence needed to excel in the ever-evolving industry landscape.

Our students have earned opportunities with organizations such as **Amazon, TCS, Infosys, Concentrix, Sutherland, CodeTantra, NEC, ADIT, Hexaware, Deloitte, Prasthana, Teleperformance, Digitamize, Verisk, Dimerco, and Nagarro**, reflecting the growing recognition of their technical capabilities and professional potential.

These accomplishments are a reflection of the **dedication of our students, the guidance of our faculty, and the department's continued efforts to strengthen industry readiness.**

**From learning to achieving, our students are stepping confidently into the world of opportunities and building a promising future.**

### Our Proud Achievers

|                                                                                                                                                     |                                                                                                                                               |                                                                                                                                                                      |                                                                                                                                                     |                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>AKULA LAKSHMI PRIYANKA</b><br/>22F01A0503<br/>INFOSYS</p> |  <p><b>ALLADI HARIKA</b><br/>22F01A0504<br/>CONCENTRIX</p> |  <p><b>AMARA SRI SAI SUDHA AMRUTHA VARSHINI</b><br/>22F01A0505<br/>CONCENTRIX</p> |  <p><b>ANNAMNEEDI HEMANTH</b><br/>22F01A0507<br/>NEC</p>       |  <p><b>BACHU VENKATA NAGA BAVANA</b><br/>22F01A0509<br/>ADIT</p> |
|  <p><b>BARLAPUDI PALLAVI KRISHNA</b><br/>22F01A0511<br/>TCS</p>  |  <p><b>BETHAPUDI DORKA</b><br/>22F01A0512<br/>AMAZON</p>   |  <p><b>BHARGAVI MOHANA MADDU</b><br/>22F01A0513<br/>CODETANTRA</p>                |  <p><b>BUDDI SWAPNA</b><br/>22F01A0517<br/>TELEPERFORMANCE</p> |  <p><b>BUSSA SANTHI</b><br/>22F01A0520<br/>DIGITAMIZE</p>        |

|                                                                                                                                                            |                                                                                                                                                                                 |                                                                                                                                                                 |                                                                                                                                                               |                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>CHARAN<br/>KAKUMANU</b><br/>22F01A0522<br/>TCS</p>                 |  <p><b>CHELLI ASHA<br/>JYOTHI</b><br/>22F01A0524<br/>SUTHERLAND</p>                            |  <p><b>DEVARAKONDA<br/>LAKSHMI<br/>TIRUPATHAMMA</b><br/>22F01A0532<br/>NEC</p> |  <p><b>ETHAMUKKALA<br/>PRASANNA<br/>KUMARI</b><br/>22F01A0536<br/>ADIT</p> |  <p><b>GALINKI<br/>MAHIMA<br/>TEJASWINI</b><br/>22F01A0539<br/>SUTHERLAND</p> |
|  <p><b>GANDIKOTA<br/>PAVANI</b><br/>22F01A0542<br/>VERISK</p>             |  <p><b>GATTUPALLI<br/>HEMA VENKATA<br/>NAGA<br/>MANIDEEP</b><br/>22F01A0545<br/>CONCENTRIX</p> |  <p><b>GODAVARTHI SIVA<br/>KALYAN</b><br/>22F01A0548<br/>HEXAWARE</p>          |  <p><b>GUDISA<br/>YASWANTH</b><br/>22F01A0553<br/>ADIT</p>                 |  <p><b>JALLA SIMHADRI</b><br/>22F01A0558<br/>AMAZON</p>                       |
|  <p><b>JAMPANI<br/>SUMASRI</b><br/>22F01A0559<br/>NEC</p>               |  <p><b>JANGILI CH M<br/>SRINIVASA VARA<br/>PRASAD</b><br/>22F01A0560<br/>CODETANTRA</p>      |  <p><b>KAGITHA<br/>MONASRI</b><br/>22F01A0561<br/>CONCENTRIX</p>             |  <p><b>KAMPARAJU<br/>SINDHURA</b><br/>22F01A0562<br/>SUTHERLAND</p>      |  <p><b>KARPOORAPU<br/>VANI PRIYA</b><br/>22F01A0563<br/>INFOSYS</p>         |
|  <p><b>KOLLA MOHANA<br/>PRAVALLIKA</b><br/>22F01A0571<br/>PRASTHANA</p> |  <p><b>KONDETI JAI<br/>SURYA</b><br/>22F01A0574<br/>CODETANTRA</p>                           |  <p><b>KOTHA VENKATA<br/>LAKSHMI SAHITHI</b><br/>22F01A0578<br/>DIMERCO</p>  |  <p><b>KURMALA KAVYA</b><br/>22F01A0582<br/>CONCENTRIX</p>               |  <p><b>MATURI<br/>ANVITHA</b><br/>22F01A0589<br/>CODETANTRA</p>             |

|                                                                                                                                                         |                                                                                                                                                          |                                                                                                                                                    |                                                                                                                                                    |                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>MOGILI RAVI RAJ</b><br>22F01A0594<br>SUTHERLAND                 | <br><b>MUVVALA SUJANA</b><br>22F01A0598<br>PRASTHANA                    | <br><b>NAJANA VARALAKSHMI</b><br>22F01A0599<br>CODETANTRA         | <br><b>NARALASETTI GNANA KUSUMA</b><br>22F01A05A3<br>CONCENTRIX | <br><b>NASAKA LIKHITHA</b><br>22F01A05A4<br>TCS                              |
| <br><b>NERELLA JAHNAVI NAGA PRAVALLIKA</b><br>22F01A05A6<br>CONCENTRIX | <br><b>NUNE VENKATA SIVA BHARGAVI</b><br>22F01A05A8<br>CODETANTRA       | <br><b>PACHIPULUSU SAI KAVYASRI</b><br>22F01A05B0<br>CONCENTRIX   | <br><b>PADAVALA BHANU SAI</b><br>22F01A05B2<br>CONCENTRIX       | <br><b>PALETI SUSHMA</b><br>22F01A05B7<br>HEXAWARE                           |
| <br><b>PALLAPU PRASANTH</b><br>22F01A05C0<br>SUTJERLAND               | <br><b>PAPADESU GAYATRI</b><br>22F01A05C2<br>CODETANTRA                | <br><b>PASUMARTHI MEGHANA</b><br>22F01A05C4<br>CONCENTRIX        | <br><b>PATHAN JANI</b><br>22F01A05C5<br>CONCENTRIX             | <br><b>PERISETLA NAGA VINEELA</b><br>22F01A05C7<br>CODETANTRA               |
| <br><b>PERUGU KOTI SAI PRAKASH</b><br>22F01A05C8<br>TCS              | <br><b>PIKKI DURGA PRASAD</b><br>22F01A05C9<br>TCS                    | <br><b>PITTU BINDU SIVA MADHAVI</b><br>22F01A05D1<br>CONCENTRIX | <br><b>POLANI KEERTHI VARSHINI</b><br>22F01A05D2<br>DELOITTE  | <br><b>POLISETTY NEHA VENKATA JYOTHI PRIYA</b><br>22F01A05D3<br>CONCENTRIX |
| <br><b>POTHINI THARUN SAI</b><br>22F01A05D5<br>AMAZON                | <br><b>PUSULURI MAHA LAKSHMI SOWJANYA</b><br>22F01A05D7<br>CONCENTRIX | <br><b>RAVURI HIRANMAI</b><br>22F01A05E0<br>CONCENTRIX          | <br><b>SALAGALA ANJULA</b><br>22F01A05E3<br>NEC               | <br><b>SHAIK AFRIN</b><br>22F01A05F0<br>CONCENTRIX                         |

|                                                                                                                                                      |                                                                                                                                                       |                                                                                                                                                          |                                                                                                                                                        |                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>SHAIK AFROZAH</b><br/>22F01A05F1<br/>CONCENTRIX</p>          |  <p><b>SHAIK KALESHAVALI</b><br/>22F01A05F4<br/>SUTHERLAND</p>       |  <p><b>SHAIK RIHANA</b><br/>22F01A05F6<br/>AMAZON</p>                   |  <p><b>SHAIK SUFFIA KOWSAR</b><br/>22F01A05F7<br/>INFOSYS</p>       |  <p><b>SHAIK ZEENATH KOUSAR</b><br/>22F01A05F8<br/>DELOITTE</p>        |
|  <p><b>SINGIRESU RAJESH</b><br/>22F01A05F9<br/>HEXAWARE</p>         |  <p><b>SINGOTHU AKHILA</b><br/>22F01A05G0<br/>SUTHERLAND</p>         |  <p><b>SIVA NAGA SAI DEEPTHI VULLI</b><br/>22F01A05G1<br/>INFOSYS</p>   |  <p><b>TALASILA JYOTHI</b><br/>22F01A05G5<br/>SUTHERLAND</p>        |  <p><b>TANNIRU VIVEK</b><br/>22F01A05G7<br/>HEXAWARE</p>               |
|  <p><b>TATIKONDA VENKATA NAGA HYMA</b><br/>22F01A05H1<br/>ADIT</p> |  <p><b>VADALASETTY JYOTHI</b><br/>22F01A05I1<br/>CONCENTRIX</p>     |  <p><b>VALETI SUBHASH CHANDRA BOSE</b><br/>22F01A05I2<br/>HEXAWARE</p> |  <p><b>VALLURI HARINI</b><br/>22F01A05I4<br/>CONCENTRIX</p>        |  <p><b>VARDHANAPU SURYA PRAKASH</b><br/>22F01A05I5<br/>CONCENTRIX</p> |
|  <p><b>VEESAM MALLIKARJUNA</b><br/>22F01A05I6<br/>TCS</p>         |  <p><b>VEMA PAVITHRA</b><br/>22F01A05I8<br/>CONCENTRIX</p>         |  <p><b>VURATA MADHURI</b><br/>22F01A05J3<br/>NAGARRO</p>              |  <p><b>YETUKURI SRADHA</b><br/>22F01A05J8<br/>CONCENTRIX</p>      |  <p><b>GAMPALA SANTOSH</b><br/>23F05A0501<br/>ADIT</p>               |
|  <p><b>KARNA YOGA DEEPIKA</b><br/>23F05A0503<br/>SUTHERLAND</p>   |  <p><b>SHAIK NAGEENA JASMINE</b><br/>23F05A0506<br/>CONCENTRIX</p> |  <p><b>KAVURI EFEFRA</b><br/>23F05A0509<br/>SUTHERLAND</p>            |  <p><b>BORRA PRANEETH KUMAR</b><br/>23F05A0514<br/>SUTHERLAND</p> |  <p><b>KONADA DURGA DEVI</b><br/>23F05A0516<br/>PRASTHANA</p>        |

## Alumni Spotlight

### Harika Ravuri

2015 - 2019 | *Tech Lead, Morgan Stanley*



It is a pleasure to have you with us, Harika Ma'am. To begin, could you tell us a little about your journey from being a student to becoming a **Tech Lead at Morgan Stanley**?

Hi Yamini, my journey has been a **continuous process** of **learning, adapting, and growing**. The foundation I received during my college years as a **student of CSE** helped me **develop** not only **technical knowledge** but also the **confidence** to take on new challenges. Over the years, gaining industry experience and continuously **upgrading** my **skills** helped me progress in my career.

In what ways do you feel the CSE Department shaped you into the professional you are today?

The **CSE department** played an important role in shaping both my **technical and personal growth**. The academic environment helped me **strengthen** my **fundamentals**, while the guidance and encouragement from faculty members motivated me to **think beyond textbooks**. The discipline, problem-solving approach, teamwork, and willingness to keep learning that I developed during those years have continued to support me throughout my career.

What technical skills would you recommend current CSE students develop before entering the industry?

Students should first build **strong programming** and **computer science fundamentals**. Along with technical skills, they should develop **analytical thinking, communication, teamwork**, and the ability to learn **independently**. A strong combination of technical and professional skills can make a significant difference.

What advice would you give to students who may feel uncertain about their career path?

Uncertainty is natural—focus on **discovering your interests, building your skills**, and making **steady progress** without comparing yourself to others.

**“Every journey is unique; stay patient, persistent, and believe in your growth.”**

An Interview by

Ch. Yamini

## Sankarasetty Indira Priyadarsini

2007 - 2011 | *Application Engineer II, Arrow Electronics India Pvt. Ltd.*



Indira Ma'am, it is a pleasure to have you with us. To begin, could you tell us about your journey from being a student of the CSE Department to where you are today?

My journey has been a wonderful combination of learning, opportunities, and continuous growth. I was **fortunate** to be a part of the CSE Department during 2007–2011 and to graduate as the **topper of my batch**. My college years gave me a strong academic foundation and the confidence to pursue my career in the IT industry.

You were initially placed through campus recruitment. Could you tell us about that experience?

Yes. I am grateful to receive my first opportunity through **campus placement with iGATE Patni**. It was an important milestone because it gave me the opportunity to step from the classroom into the professional world. The preparation and academic foundation I received in the CSE Department played an important role in helping me approach the placement process with confidence.

You have progressed in your career and are now working as an **Application Engineer II at Arrow Electronics India Pvt. Ltd.** What does this achievement mean to you?

I feel proud of how far I have come, but I also see it as a continuation of the foundation that was built during my college years. Every professional experience has given me something new to learn. Reaching this stage has made me appreciate even more the strong beginning I received from my CSE Department.

What message would you like to give to the present students of the CSE Department?

Make the most of your time in college. **Build strong fundamentals, stay consistent in your efforts, participate in every opportunity to learn, and believe in yourself.** Academic achievement can open doors, but continuous learning and the right attitude will help you grow throughout your career.

An Interview by  
**G. V. S. P. Ganesh**

## MOUs — Industry Partnerships

The Department of **Computer Science & Engineering** continues to **strengthen** its **industry-academia connect** through meaningful **collaborations** that provide students and faculty with **opportunities** for **training, internships, recruitment, workshops, certifications, projects, incubation, and Faculty Development Programmes**. During the academic year 2025–2026, the department established new industry partnerships while continuing several existing collaborations, thereby creating sustained opportunities for practical learning and professional development.

### A. New Industry Collaborations — 2025–2026

Two new MOUs were established during the academic year 2025–2026: **Jozuna Pvt. Ltd., Hyderabad** and **Shikara Embedded Solutions, Hyderabad**.

| S.No. | Industry Partner                             | Date of Collaboration | Focus Areas                                                            | Key Impact                                                                                                   |
|-------|----------------------------------------------|-----------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| 1     | <b>Shikara Embedded Solutions, Hyderabad</b> | 12-11-2025            | Training, workshops, internships, FDPs and projects                    | Certifications, internship opportunities and embedded-system project development, improving practical skills |
| 2     | <b>Jozuna Pvt. Ltd., Hyderabad</b>           | 29-10-2025            | Training, recruitment, workshops, internships, webinars and incubation | Certification completion, internships and startup exposure through incubation activities                     |

### B. Continuing Industry Collaborations — Active During 2025–2026

| S.No. | Industry Partner                                | Validity Period          | Major Areas of Collaboration                                 |
|-------|-------------------------------------------------|--------------------------|--------------------------------------------------------------|
| 1     | <b>MIBIZ Cyberforensics, Thiruvananthapuram</b> | 17-02-2025 to 17-02-2030 | Cybersecurity training, internships, FDPs and projects       |
| 2     | <b>Tech Mahindra, Bangalore</b>                 | 04-05-2024 to 10-07-2027 | Training, recruitment support, workshops and internships     |
| 3     | <b>KeshavSoft, Kakinada</b>                     | 02-03-2024 to 03-05-2030 | Training, recruitment, workshops, internships and incubation |
| 4     | <b>TR Tech Solutions, Hyderabad</b>             | 23-08-2023 to 23-08-2032 | Training, recruitment assistance, workshops and internships  |
| 5     | <b>Manac Infotech Pvt. Ltd., Hyderabad</b>      | 12-03-2023 to 11-06-2030 | Industry training, workshops and internships                 |
| 6     | <b>Make Skilled, Vijayawada</b>                 | 08-08-2020 to 08-12-2030 | Training, workshops, internships and projects                |
| 7     | <b>Brain 'O' Vision, Hyderabad</b>              | 05-09-2016 to 05-09-2026 | Training, workshops, internships, FDPs and projects          |
| 8     | <b>Indian Servers, Vijayawada</b>               | 10-08-2017 to 10-08-2027 | Training, workshops, internships, FDPs and projects          |

## Scholarship Achievers

The Department of **Computer Science & Engineering** takes pride in recognizing its students who have received **scholarships** from various **organizations and schemes**. These scholarships reflect the **students' dedication, academic commitment, and pursuit of excellence**. The achievements of CSE students across different batches are presented below.

| S.No. | Academic Year | Student Name       | Scholarship Received |
|-------|---------------|--------------------|----------------------|
| 1     | 2025–2026     | T. Dakshinya       | LIC                  |
| 2     | 2024–2025     | Renuka             | LOTUS                |
| 3     | 2024–2025     | G Asritha Naga Sai | RELIANCE             |
| 4     | 2023–2024     | K Kumar Reddy      | RELIANCE             |

These scholarship achievements highlight the **academic potential and perseverance of CSE students**. Such recognition not only supports students in their educational journey but also motivates them to pursue higher levels of achievement. The department proudly celebrates these Scholarship Achievers and encourages all students to strive for excellence.

The **Department of Computer Science & Engineering** actively encourages students to explore and apply for various **scholarship opportunities** that support their academic journey. Faculty members guide students in identifying suitable scholarship schemes, understanding eligibility requirements, and completing the application process on time. Students are motivated to maintain **academic excellence, discipline, and active participation** in curricular and co-curricular activities, helping them become eligible for competitive scholarships.

## IIT Bombay Spoken Tutorials

During the Academic Year **2025–2026**, the Department of Computer Science and Engineering actively encouraged students to enhance their technical skills through the **IIT Bombay Spoken Tutorial Programme**. A total of **2,708 certifications** were obtained by students across **18 courses**, including **Linux, Bash, CSS, C/C++, Git, Python, Android using Kotlin, HTML, R, SciLab** and **PERL**. The initiative provided students with opportunities for structured self-learning, skill development and certification through the Spoken Tutorial Project of IIT Bombay.

### IIT Spoken Tutorial Certifications Summary AY:2025 -2026

| S.No.        | Year | Subject / Course                                 | Certified Students |
|--------------|------|--------------------------------------------------|--------------------|
| 1            | II   | Linux                                            | 149                |
| 2            | II   | Bash                                             | 150                |
| 3            | II   | CSS                                              | 147                |
| 4            | II   | CPP                                              | 160                |
| 5            | II   | Git                                              | 160                |
| 6            | II   | Python                                           | 162                |
| 7            | II   | C                                                | 171                |
| 8            | III  | Git                                              | 178                |
| 9            | III  | Android using Kotlin                             | 146                |
| 10           | III  | GUI in SciLab                                    | 147                |
| 11           | III  | HTML                                             | 177                |
| 12           | III  | R                                                | 179                |
| 13           | IV   | GUI in SciLab                                    | 95                 |
| 14           | IV   | PERL                                             | 96                 |
| 15           | IV   | SciLab                                           | 96                 |
| 16           | IV   | Linux                                            | 119                |
| 17           | IV   | Python                                           | 188                |
| 18           | IV   | Git                                              | 188                |
| <b>Total</b> |      | <b>IIT Bombay Spoken Tutorial Certifications</b> | <b>2708</b>        |



## NPTEL — Empowering Learners Beyond Boundaries

The Department of **Computer Science & Engineering** continues to encourage students to enhance their knowledge and skills through SWAYAM / NPTEL / **MOOC** courses. During the academic year **2025–2026**, **210** students **registered**, with **198** students successfully earning **certifications**, achieving an impressive **94.29%** pass percentage.

The courses enabled students to strengthen their knowledge across important domains such as Python, DBMS, Machine Learning, Computer Networks, and IoT, reflecting the department's commitment to promoting self-learning, continuous skill development, and academic excellence beyond the regular curriculum.

Adding to this achievement, 11 students from the CSE Department received the prestigious NPTEL Discipline Star Certificate and had the opportunity to attend the NPTEL STARS Workshop at IIT Tirupati on 8 August 2026. This recognition highlights the students' sustained engagement with NPTEL learning and their dedication to continuous academic and professional development.



## ISTE & CSI Student Chapters

The **ISTE and CSI Student Chapters** of the Department of **Computer Science & Engineering** provided vibrant platforms for students to **learn, innovate, compete, and collaborate** beyond the classroom during the **academic year 2025–2026**. Through **technical contests, hackathons, coding challenges, presentations, quizzes, and interactive events**, the chapters fostered **technical competence, creativity, problem-solving, innovation, and professional development** among students.

### A Snapshot of the ISTE & CSI Events

| S.No. | Name of the Event                                  | Chapter | Level     | Date of Event |
|-------|----------------------------------------------------|---------|-----------|---------------|
| 1     | Meme Coding Contest                                | CSI     | Institute | 18-07-2025    |
| 2     | Blind Coding                                       | ISTE    | Institute | 21-08-2025    |
| 3     | Tech Charades                                      | CSI     | Institute | 20-08-2025    |
| 4     | 24-Hour Hackathon                                  | ISTE    | Institute | 17-09-2025    |
| 5     | Startup Pitch                                      | ISTE    | Institute | 16-10-2025    |
| 6     | Escape The Bug – Puzzle Event                      | CSI     | Institute | 16-10-2025    |
| 7     | Technical Treasure Hunt                            | ISTE    | Institute | 18-11-2025    |
| 8     | Poster Presentation on AI & Technology             | CSI     | Institute | 08-11-2025    |
| 9     | Quiz-O-Mania Contest                               | CSI     | Institute | 20-01-2026    |
| 10    | Kaggle Challenges                                  | ISTE    | Institute | 11-02-2026    |
| 11    | Algorithm Arena                                    | CSI     | Institute | 18-02-2026    |
| 12    | Prompt Engineering Challenge                       | ISTE    | Institute | 17-03-2026    |
| 13    | Paper Presentation on Environment & Sustainability | CSI     | Institute | 24-03-2026    |



## Cruisers Elite

**Cruisers Elite**, the student-led technical fun club of the Department of **Computer Science & Engineering**, provides an engaging platform for students to learn, compete, and collaborate beyond the classroom. Through a blend of **technical challenges, coding activities, quizzes, and fun-based competitions**, the club encourages students to sharpen their logical thinking, programming skills, language proficiency, creativity, and teamwork in an enjoyable environment.

| S.No. | Date of Event | Name of the Event                                                   |
|-------|---------------|---------------------------------------------------------------------|
| 1     | 23/07/2025    | <b>Fun Club</b> – MCQ on Jumbled Words + Funny + Technical + Tricky |
| 2     | 07/08/2025    | <b>Coding Club</b> – Sample Codes                                   |
| 3     | 02/08/2025    | <b>Mindsprint</b> – MCQs on English Language + Logical Reasoning    |
| 4     | 07/01/2026    | <b>Fun Week</b> – MCQ on Jumbled Words + Funny + Technical + Tricky |
| 5     | 10/01/2026    | <b>Tech + Code</b> – Technical Quiz + Coding                        |



## Trendy Tech Bites

### APP REVIEW

## Udemy -- Learn at your Pace



*Department of Computer Science and Engineering St. Anns College of Engineering and Technology 97*

#### 4. Udemy – Learn Anything, Anytime

**Category:** Learning / Education **Platform:** Android, iOS, Web

**Overview:** Udemy is an online learning platform with thousands of courses in coding, business, design, and more. Students can learn at their own pace with lifetime access to purchased courses.

#### Key Features:

210,000+ courses across various fields

Download videos for offline learning

Certificates upon course completion

Affordable frequent discounts

#### Pros:

- Huge variety of topics
- Learn on your schedule
- Lifetime access to purchased content

#### Cons:

- Course quality varies
- Certificates not always industry-recognized

**Ideal For:** Self-learners, skill upgraders, students exploring new topics

**Rating:** ★★★★★☆ (4/5)

#### Article By



**B. Lavanya**

**23F01A0516**

## TOOL OF THE YEAR

### GPT-6 Astra / ChatGPT



**Category:** Artificial Intelligence / Generative AI / Software Engineering

**Platform:** ChatGPT / Codex / API

**Overview:** GPT-6 Astra is OpenAI's latest advanced AI model, designed for **complex reasoning, software engineering, computer use, research, and multi-step tasks**. It can work with code, files, websites and other tools to complete practical tasks.

**Key Features:**

- Advanced reasoning and problem solving
- AI-assisted coding, debugging and software development
- Computer use, web research and multi-step task execution
- File, document and data analysis

**Pros:**

- Helps students understand complex CSE concepts
- Supports software development and debugging
- Useful for research, projects and technical documentation
- Automates repetitive multi-step tasks

**Cons:**

- AI-generated answers and code may contain errors
- Requires human verification and technical understanding
- Advanced usage can consume significant credits

**Ideal For:**

Students, programmers, software developers, researchers, educators and CSE project teams.

**Available At & Cost**

- **ChatGPT:** Astra is available through eligible **Plus, Pro, Business and Enterprise** plans; Plus includes Astra in **ChatGPT Work and Codex**, while Pro provides Astra in Chat, Work and Codex.

[ChatGPT](#)

- **OpenAI API:** \$10 per 1 million input tokens and \$50 per 1 million output tokens.

[OpenAI API](#)

- **Codex:** Available through eligible ChatGPT plans and for developers using the API.

[OpenAI Codex](#)

**Caution:**

**Do not blindly depend on AI-generated answers or code. Always verify the output, understand the underlying concepts, test programs thoroughly, and use AI as an assistant rather than a replacement for your own learning and problem-solving skills.**

Article By



**P. Siva Chaitanya**

**23F01A05E6**



*Good Puzzles Build  
Brighter Minds!*



## 1 The Three-Lock Password LOGIC & DEDUCTION

A laboratory has a 3-digit security lock. The following clues are given about the password. Each clue refers to the correct 3-digit code.

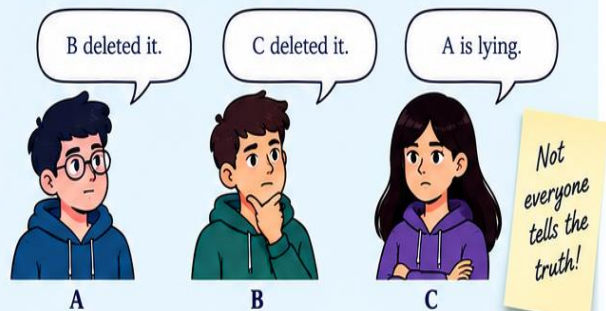


- 682** One digit is correct and in the right place.
- 614** One digit is correct but in the wrong place.
- 206** Two digits are correct but both are in the wrong places.
- 738** Nothing is correct.
- 780** One digit is correct but in the wrong place.

*What is the 3-digit password?*

## 2 The Liar's Algorithm LOGICAL REASONING

Three programmers — A, B and C — are questioned about who deleted an important file from the server. Their statements are:



- 1 Exactly one of them is telling the truth. Who deleted the file?
- 2 What changes if exactly TWO of them are telling the truth?

## 3 The Broken CAPTCHA PATTERN RECOGNITION

You are shown a grid of symbols, similar to a CAPTCHA. At first glance, it looks like a random arrangement, but there is a hidden rule.



*It's not just  
shapes...  
Look carefully!*

Which symbol should replace the question mark?

- (A)
- (B)
- (C)
- (D)

## 4 The Elevator Puzzle LATERAL THINKING

Four students enter an elevator in a building.

- One presses 2.
- Another presses 5.
- Another presses 7.
- The last student presses 10.

The elevator stops at 2, 5 and 7, but not at 10. Nobody made a mistake.



*Why doesn't the elevator stop at 10?*

SAME QUESTIONS BUILD SKILLS. PUZZLES BUILD PERSPECTIVE.

PUZZLEPLANET | TECHVISTA 2026

**Puzzle By**



**P. N. Praveen**  
23F01A05D2



## Answers & Explanations

Same Questions. Deeper Learning!

Every puzzle builds a new perspective!

### 1 The Three-Lock Password LOGIC & DEDUCTION



**Answer: 0 4 2**

#### Explanation:

- From **738** → digits 7, 3, 8 are not in the code.
- From **780** → only 0 can be correct and it is in the wrong place (not 3rd).
- From **206** → two digits are correct but wrongly placed. Since 0 is one of them, 0 is not in 2nd place either → 0 must be in 1st place.
- From **682** → with 8 not in the code, the correct digit in the right place is 2 in 3rd place.
- From **614** → only 4 can be the correct digit but in the wrong place (not 3rd), so it must be in 2nd place.

*Small clues can unlock big answers!*



#### Key Takeaway:

Logical deduction, constraint satisfaction and elimination help us arrive at a unique solution.

### 2 The Liar's Algorithm LOGICAL REASONING

**Q1. Exactly one is true. Who deleted the file?**

**Answer: C deleted the file.**

#### Explanation:

- If C deleted the file, then B's statement "C deleted it." is true.
- A's statement "B deleted it." is false.
- C's statement "A is lying." is also true (since A is indeed lying).
- Thus exactly one statement (B's) is true.

*The truth depends on the number of truth-tellers!*

**Q2. What changes if exactly two statements are true?**

**Answer: B deleted the file.**

#### Explanation:

- If B deleted the file, then A's statement "B deleted it." is true.
- C's statement "A is lying." is also true (since A is actually telling the truth).
- B's statement "C deleted it." is false.
- Thus exactly two statements (A and C) are true.

*Same people. Different rules. Different truth!*



#### Key Takeaway:

Logical consistency, case analysis and critical thinking help evaluate multiple possibilities.

### 3 The Broken CAPTCHA PATTERN RECOGNITION

**Answer: (A) Triangle**

#### Explanation:

- Observe each row:
  - Row 1:** Triangle – Circle – Triangle
  - Row 2:** Circle – Square – Circle
  - Row 3:** Triangle – Circle – ?
- The pattern is symmetric row-wise (and also column-wise): first and last shapes are the same, and the middle shape is different.
- Since the first and last shapes in Row 3 must be the same, the missing shape is a Triangle.

*It's not just shapes... Look carefully!*



Options shown:



(A)



(B)



(C)



(D)



#### Key Takeaway:

Pattern recognition, visual reasoning and attention to structure are key problem-solving skills — for humans and machines alike.

### 4 The Elevator Puzzle LATERAL THINKING

**Answer: The student who pressed 10 meant the number 10 (using two buttons: 1 and 0). He pressed both 1 and 0.**

#### Explanation:

- Many elevator keypads (like the given one) do not have a single "10" button.
- To go to the 10th floor, one must press 1 and then 0.
- The elevator stops at 2, 5 and 7 because those floors were requested normally using single buttons.
- The elevator stops at 1 and then 10 (which is part of the input for 10), but not at 10.
- Therefore, nobody made a mistake — the puzzle lies in the assumption that there must be a single "10" button.

*Sometimes, the answer lies in what you assume, not what is given!*



#### Key Takeaway:

Assumption checking, lateral thinking and real-world reasoning help us see beyond the obvious.

## THE HUMOUR CORNER

## Just One Question, Madam

# Just One Question, Madam

Good Students Great Engineers

Same Classroom. Same Questions. Different Stories!

So, that's the topic for today. Any doubts?

Trees

- Definition
- Types
- Applications

Are you sure? No doubts?

THINK  
CODE  
LEARN  
GROW

\*Raises hand slowly\*

(Complete silence...)

Yes?

No doubt, madam.

Then why did you raise your hand?

Madam... I have a question.

That's called a doubt, dear.

Oh... then yes, madam. I have a doubt.

Same Doubts. Brighter Futures.

LEARN  
PRACTICE  
IMPROVE  
SUCCEED



## CSE Classroom Reality:

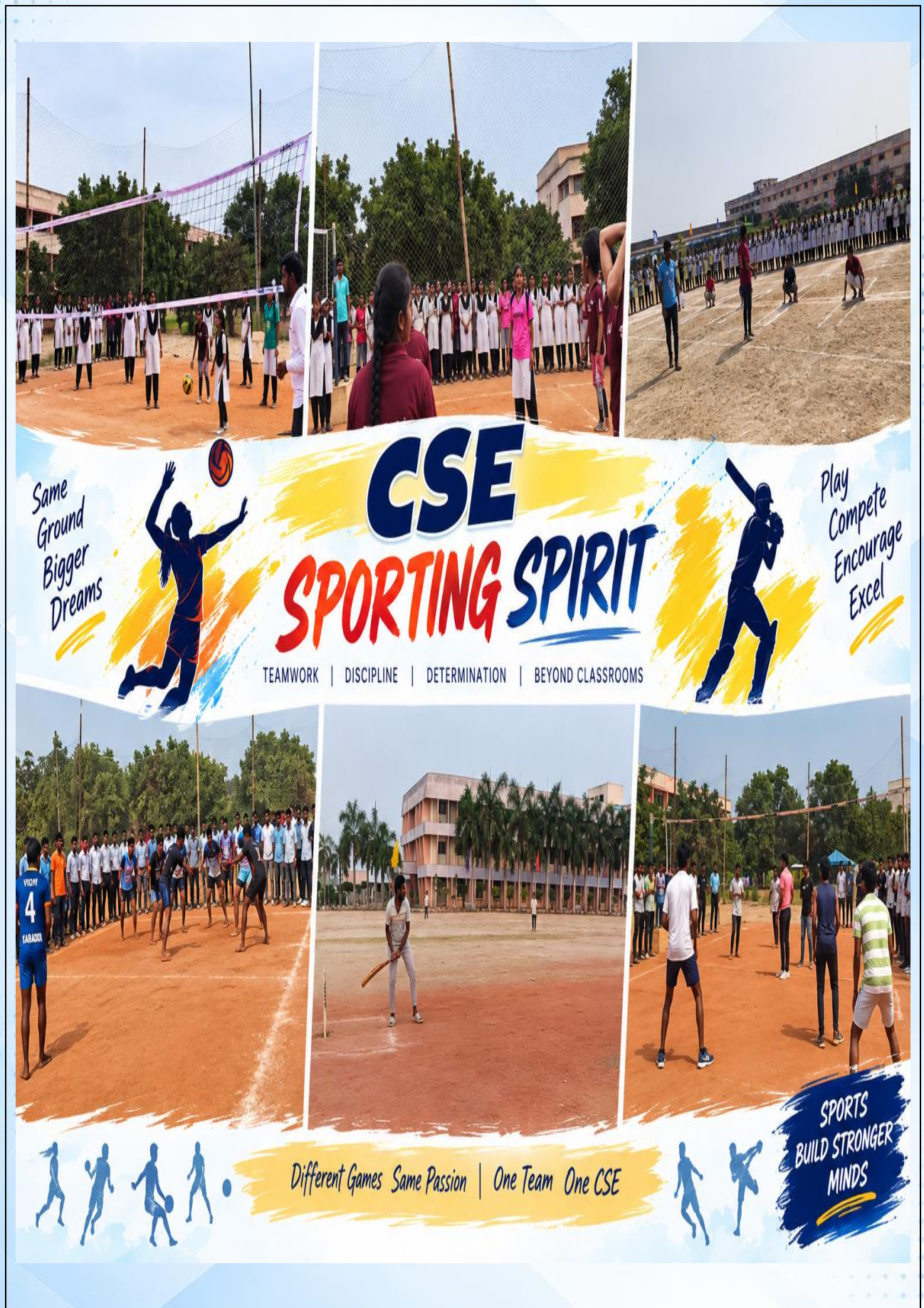
Sometimes understanding the question is the first problem to solve.

Same  
Students.  
Bigger  
Dreams. 😊

**Designed by**



**S. Sravanthi**  
**23F01A05G0**





## Editorial Team Message

Being a part of **TechVista** has been a truly inspiring journey filled with **creativity, learning, teamwork, and innovation**. As the Student Team behind this edition, we extend our heartfelt gratitude to our **Respected Head of the Department, Dr. P. Harini Madam**, our **Honourable Principal, Dr. K. Jagadeesh Babu Sir**, our esteemed **Management**, and all the faculty members of the **CSE Department** for their constant encouragement and invaluable support.

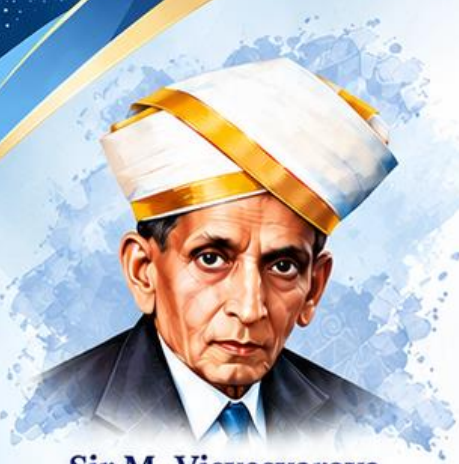
We sincerely thank every **student, contributor, alumnus, and well-wisher** whose ideas, accomplishments, memories, and experiences have added meaning and richness to this edition. **TechVista** is more than a magazine—it is a reflection of our **collective efforts, shared experiences, and the vibrant spirit of CSE**. It reminds us that when we come together with a common vision, we can **learn together, create fearlessly, and innovate meaningfully**.

**Student Editorial Team,**  
**Department of CSE**

### Team Behind Tech Vista

|                                                                                                                                                                      |                                                                                                                                                       |                                                                                                                                                                    |                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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**Sir M. Visvesvaraya**  
(1861 – 1962)

Eminent Engineer | Visionary | Nation Builder

“Engineering is not merely knowing and being knowledgeable; it is not merely analyzing; it is not merely the possession of the capacity to get elegant solutions. It is practicing the art of the organized forcing of technological change.”

– Sir M. Visvesvaraya

IDEAS  
ALGORITHMS  
SOLUTIONS  
A BETTER  
TOMORROW

CODE  
CREATE  
INNOVATE  
BUILD  
TRANSFORM

# Happy ENGINEERS' DAY

SEPTEMBER 15, 2026

*Engineers  
Turn  
Possibilities  
into  
Progress*

Warm wishes to all Engineers, especially our **Computer Science & Engineering** fraternity, for your innovation, dedication and contributions towards a smarter, safer and brighter world.



INNOVATION  
IN TECHNOLOGY



SOLVING  
REAL-WORLD  
PROBLEMS



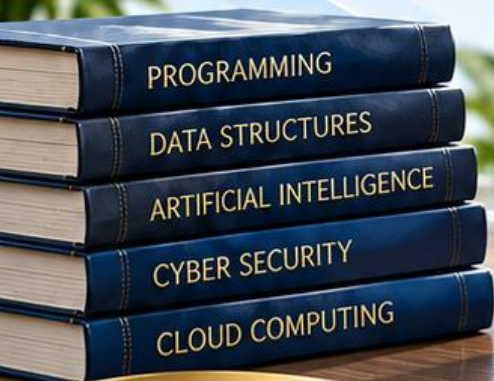
EMPOWERING  
PEOPLE



SUSTAINABLE  
SOLUTIONS



A BRIGHTER  
TOMORROW



ENGINEERING  
MINDS SHAPE  
A BRIGHTER TOMORROW