Volume: 23

ENGINEERING COLLEGE
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CMR ENGINEERING COLLEGE

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Dept.of Computer Science and Engineering

NATIONAL BOARD OF ACCREDITATION

NEWSLETTER

CSE-NAPSE

(A.Y. January-June 2024)

NAAC

NEWSLETTER

CSE-NAPSE

(A.Y. January-June 2024)

Institution Vision & Mission

VISION

To be recognized as a premier institution in offering value based and futuristic quality technical education to meet the technological needs of the society.

MISSION

- To impart value based quality technical education through innovative teaching and learning methods.
- To continuously produce employable technical graduates with advanced technical skills to meet the current and future technological needs of the society.
- To prepare the graduates for higher learning with emphasis on academic and industrial research.

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Message from the Executive Team

I am delighted to extend my heartfelt congratulations to the Department of Computer Science and Engineering for its outstanding accomplishments during the academic year 2023–24. At CMR Engineering College, we take immense pride in nurturing academic excellence, research innovation, and holistic development — values clearly reflected in the achievements of the CSE Department.

CSE NAPSE is a testament to the dedication, creativity, and collaborative spirit of our faculty and students. I commend the editorial team for capturing the essence of the department's vibrant journey.

Shri Ch. Narasimha Reddy
Chairman

I extend my heartfelt congratulations to the Department of Computer Science and Engineering for its remarkable accomplishments in the academic year 2023–24. The unwavering dedication of the faculty, the vibrant enthusiasm of students, and the strong emphasis on academic excellence, research, and innovation truly reflect the vision of CMR Engineering College. CSE NAPSE proudly showcases these achievements. I sincerely commend the team and wish them continued success in all future endeavors.

Ch. Bhoopal Reddy
Vice - Chairman

It gives me immense pleasure to witness the remarkable journey of the CSE Department as reflected in this edition of CSE NAPSE. The academic year 2023–24 has been marked by outstanding achievements, innovation, and continuous learning. I applaud the sincere efforts of the faculty and students in upholding the values and vision of CMREC. This newsletter beautifully captures the department's growth and vibrant academic environment. My best wishes to the entire team for continued success in the future.

Shri Ch. Srisailam Reddy
Secretary & Correspondent, CMREC.

Congratulations to the Department of Computer Science and Engineering for its outstanding accomplishments during the January–June 2024 period of the academic year 2023–24. The consistent efforts of the faculty and the active involvement of students have resulted in notable achievements across academics, research, and co-curricular activities. CSE NAPSE thoughtfully captures these milestones and highlights the department's unwavering commitment to excellence. I commend the editorial team for their meticulous work and wish the department continued growth and success in all future endeavors.

Dr. A. Srinivasula Reddy
Principal, CMREC.

I am delighted to present this edition of CSE NAPSE, covering the highlights and achievements of the Department of Computer Science and Engineering for the period January to June, A.Y. 2023–24. This half-year has been marked by continued progress in academics, research, and student-driven initiatives. Our faculty and students have demonstrated consistent excellence through innovative projects, publications, and active participation in various technical and co-curricular activities. I extend my gratitude to the editorial team for compiling this newsletter and to all contributors for their enthusiasm and commitment.

Dr. Sheo Kumar
HOD CSE,CMREC

About The College

CMR Engineering College, popularly known as CMREC, was established in 2010, CMR engineering college is one of the top premier private Engineering colleges in Hyderabad spreads over the vast area of 10 acres. The CMR College is authorized under All India Council for Technical Education (AICTE), New Delhi and affiliated to JNTUH and is approved by All India Council for Technical Education, New Delhi. CMR Engineering College is now a UGC Autonomous. With the commencement of CMR Hyderabad, Our College hit the list of 100 top engineering colleges in India. In the further journey, the college is also rated 5 Star under Institution Innovation Council, Ministry of Education, Govt of India & Achieved ARIIA Ranking. With these achievements, today, CMR Engineering College is known as one of the Top 10 Engineering Colleges in Hyderabad.The institute currently has a total intake of 1020 by offering seven-under Graduate Courses in Computer Science Engineering-420, Electronics& Communication Engineering-120, Information Technology-120 and emerging technologies like CSE

About CSE Department

The Department of Computer Science and Engineering at CMR Engineering College was established in the year 2010 with a vision to help the IT boom and fulfill the need of dynamic Software Engineers globally. Since then, especially in the last Five years of the IT revolution, the department has taken long strides and is now among one of the best department in the college. The Department aims to nurture students in terms of modern computer techniques and to prepare them, to cope well with the technical advancements in future. Computer Science being the flagship branch of Engineering takes focus in scientific research, scientific programming, and software engineering.

Vision of The Department

To produce globally competent and industry-ready graduates in Computer Science & Engineering by imparting quality education with the know-how of cutting-edge technology and holistic personality.

Mission of the Department

1. To offer high-quality education in Computer Science & Engineering in order to build core competence for the graduates by laying a solid foundation in Applied Mathematics and program framework with a focus on concept building.
2. The department promotes excellence in teaching, research, and collaborative activities to prepare graduates for a professional career or higher studies.
3. Creating an intellectual environment for developing logical skills and problem-solving strategies, thus developing, an able and proficient computer engineer to compete in the current global scenario.

Program Educational Objectives (PEOs)

1. Excel in professional career and higher education by acquiring knowledge of mathematical computing and engineering principles.
2. To provide an intellectual environment for analyzing and designing computing systems for technical needs.
3. Exhibit professionalism to adapt current trends using lifelong learning with legal and ethical responsibilities.
4. To produce responsible graduates with effective communication skills and multidisciplinary practices to serve society and preserve the environment.

Program Outcomes (POS)

Engineering Graduates will be able to satisfy these NBA graduate attributes:

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

COMPUTER SOCIETY OF INDIA

The seed for the **Computer Society of India (CSI)** was first shown in the year 1965 with a handful of IT enthusiasts who were a computer user group and felt the need to organize their activities. They also wanted to share their knowledge and exchange ideas on what they felt were a fast emerging sector. Today the CSI takes pride in being the largest and most professionally managed association and for IT professionals in India. The purposes of the Society are scientific and educational directed towards the advancement of the theory and practice of computer science and IT. The organization has grown to an enviable size of 100,000 strong members consisting Scientists, Academicians, Project Managers, CIO's, CTO's & IT vendors to just name a few. It has spread its branches all over the country.

Currently having more than 500 students branches and rooted firmly at 79 different locations, CSI has plans of opening many more chapters &activity centers In smaller towns and cities of the country. The idea is to spread the knowledge, and provide opportunities to as many interested candidates as possible.

In the academic year 2023–2024, a total of 128 students registered in the CSE department

RESEARCH & DEVELOPMENT

Faculty Publications

The Computer Science and Engineering (CSE) Department has showcased exemplary research output and academic contributions in the academic year 2023-24. A total of 34 significant publications have been produced by faculty and students, demonstrating the department's commitment to advancing knowledge and technology.

PUBLICATIONS OVERVIEW:

Conference Papers:

The department contributed 21 papers to various prestigious conferences, many of which are indexed in Scopus and IEEE. Notable conferences include the International Conference on Communications and Cyber Physical Engineering (ICCCE 2023), International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2024), and the International Conference on Evolutionary Algorithms and Soft Computing Techniques (EASCT 2023). These contributions span critical areas such as AI, machine learning, cybersecurity, and smart systems.

Journal Articles:

There are 11 journal publications, appearing in high-impact journals indexed in UGC Care, Scopus, and SCI/SCIE databases. The research topics cover diverse domains including blockchain privacy, optimization algorithms, defect prediction in software, environmental-friendly communication networks, and medical data analytics.

Books and Book Chapters:

The department also contributed 2 book chapters and 2 textbooks aimed at enhancing academic resources and supporting curriculum development. These include comprehensive works on Artificial Intelligence and Java programming.

FACULTY ACHIEVEMENTS IN PATENT PUBLICATIONS

The Department of Computer Science and Engineering at CMR Engineering College takes immense pride in announcing the publication of six Indian patents during the academic year 2023–24. These patents reflect our faculty's commitment to innovative, interdisciplinary research with real-world applications. The following are the notable contributions:

Smart Healthcare Logistics

An autonomous medical product delivery system powered by IoT and sensor-based technology was developed to enhance healthcare logistics and ensure timely, contactless delivery of medical supplies.

Contributors: Dr. C. N. Ravi, Mrs. G. Sumalatha, Mr. Md Gulzar, Mr. Mrutyunjaya Yalawar, and Ms. D. Navanitha.

Sustainable Water Management

A solar-powered IoT-based water pumping system was designed to serve the needs of modern apartment complexes, promoting environmental sustainability and energy efficiency. Contributors: Dr. Md. Rafeeq, Mr. U. Mahender, Mr. B. Prasad, Mr. M. Prabhakar, and Mr. Md. Azhar.

Smart Power Infrastructure Monitoring

An embedded GSM-based monitoring system for power stations was patented to enable real-time surveillance and efficient management of power infrastructure, enhancing operational reliability. Contributors: Dr. B. Kishor, Mr. D. Uma Vishveshwar, Mr. B. Mahender, Mr. D. Nagesh, and Mrs. N. Tejasree.

Public Health and Safety Innovations

Two separate patents were filed for smart temperature monitoring systems designed for use in public spaces, aimed at enhancing safety and health surveillance in high-traffic areas. Contributors (Patent 1): Mr. E. Suresh Babu, Mr. S. Kiran Kumar, Mrs. E. Lakshmi Prasanna, Mr. Y. Shyam Sundar, and Mrs. Sumera Jabeen. Contributors (Patent 2): Dr. Sheo Kumar, Mr. K. Vijaya Babu, Ms. M. Prashanthi, Ms. A. Punitha, and Ms. B. Mamatha.

Health Monitoring Personal with IoT

A user-friendly IoT-based personal health monitoring system was developed to allow individuals to track vital health parameters in real time, supporting preventive healthcare. Contributors: Ms. G. Kumari and Mr. U. Mahender.

Guest Lecture on “Navigating the Future: Tomorrow's Technology and Skills for Engineers

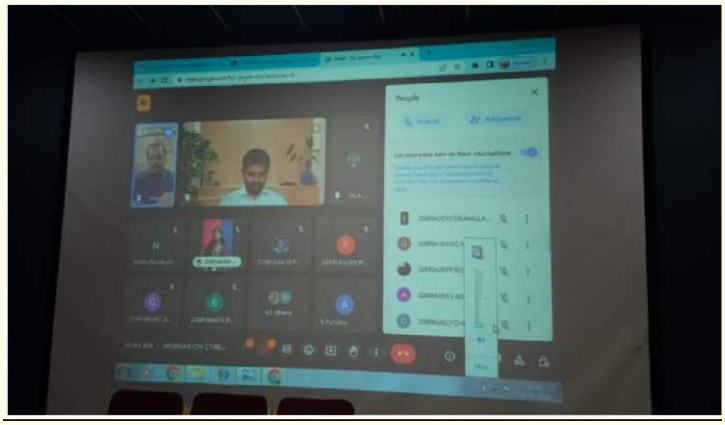
On January 6, 2024, a guest lecture titled “Navigating the Future: Tomorrow's Technology and Skills for Engineers” was organized under the banner of CSI (Computer Society of India). The session was delivered by Ms. Rama Savithri Dabbeeru, who engaged an enthusiastic audience of over 200 participants. The lecture focused on the rapidly evolving landscape of engineering and technology, emphasizing the essential skills and emerging trends that future engineers must embrace to remain competitive and innovative. The event was a valuable opportunity for students to gain industry insights and prepare for the challenges of the modern tech-driven world.

Guest Lecture On Parallelizing genetic algorithms and Analytical learning

On March 16, 2024, a distinguished guest lecture on the topic “Parallelizing Genetic Algorithms and Analytical Learning” was delivered by Dr. T. Santosh. The session was attended by 106 participants, including faculty members and students from relevant disciplines. Dr. Santosh provided an in-depth exploration of parallel computing techniques applied to genetic algorithms, as well as the theoretical foundations and practical applications of analytical learning. The lecture offered valuable insights into the optimization of algorithmic performance and advanced learning models, significantly enhancing the academic and research perspective of the attendees.

Webinar on "Cyber Crime: Mobile and Wireless Devices"

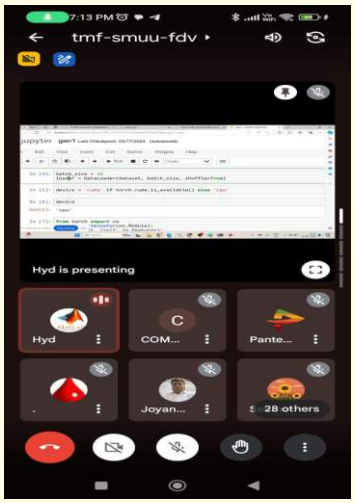
As part of the academic activities for the January–June 2024 semester, a webinar on “Cyber Crime: Mobile and Wireless Devices” was conducted on March 2, 2024, featuring Mr. Rupesh Mittal as the resource person. The session witnessed active participation from 181 attendees, including students and faculty members. Mr. Mittal provided an in-depth overview of emerging cyber threats targeting mobile and wireless technologies, emphasizing preventive measures, legal frameworks, and real-world case studies. The webinar served as a valuable learning platform, enhancing awareness of cybersecurity challenges in today's digitally connected environment



FDP on “Python Programming with Django Framework for Building Web Applications”

A five-day Faculty Development Program (FDP) on Python Programming with Django Framework for Building Web Applications was conducted from 12th to 16th February 2024, witnessing active participation from over 500 faculty members. The program aimed to equip educators with practical skills in modern web development using Python and the Django framework. Expert sessions were delivered by Mr. M. Bhaskar Rao, Python Developer, and Ms. M. Madhuri, Web Developer from SAK Informatics, Hyderabad. Participants gained hands-on experience in building dynamic web applications, understanding backend integration, and deploying scalable solutions. The FDP was well-received for its comprehensive coverage, practical approach, and relevance to current industry demands in software development.

FDP on “Generative AI”



A six-day Faculty Development Program (FDP) on Generative AI was conducted from 17th to 22nd June 2024, with participation from over 110 faculty members. Organized to enhance awareness and practical knowledge of emerging AI technologies, the program featured expert sessions by Mr. V. Shankar, Project Engineer, and Ms. V. Laxmi, Software Engineer from Pantech E-Learning, Hyderabad. The sessions covered core concepts of Generative AI, including neural networks, deep learning, and AI-driven content creation, along with hands-on demonstrations. The FDP provided valuable insights into integrating AI tools in academic and research practices, and was well-received for its engaging content and practical relevance

INDUSTRIAL VISIT

An industrial visit to the R&D Showcase at IIIT-Hyderabad provided students and faculty with an enriching experience, offering firsthand exposure to cutting-edge research and technological advancements in fields like Artificial Intelligence, Robotics, and Smart Cities. Held on 16th March 2024, the event featured interactive sessions, live project demonstrations, and discussions with researchers, fostering a deeper understanding of real-world innovation and its academic relevance. The visit inspired participants to explore research-oriented learning and stay updated with emerging industry trends.

Workshop on “A Emerging Trends in Artificial Intelligence and its Applications”

Workshop on “A Emerging Trends in Artificial Intelligence and its Applications”

A two-day workshop on "Emerging Trends in Artificial Intelligence and its Applications" was successfully organized on 28th and 29th June 2024, with active participation from 80 students and faculty members. The workshop aimed to provide a comprehensive understanding of the latest developments in Artificial Intelligence and how they are transforming various industries. Renowned expert Mr. Namani Vamshi Krishna, Senior Multidisciplinary Engineer, delivered engaging sessions covering key AI concepts, practical applications, and future trends. His insights into real-world use cases and advancements in machine learning, deep learning, and automation greatly enriched the learning experience. The event was coordinated by Mr. S. Kiran Kumar, Assistant Professor, and Mrs. G. Sumalatha, Associate Professor from the Department of Computer Science and Engineering. Through interactive discussions, demonstrations, and knowledge-sharing sessions, the workshop not only enhanced participants' technical understanding but also encouraged innovation and research in the field of AI.

POSTER PRESENTATION

As part of the Poster Presentation event, the CSI Student Branch of Aurora's PG College, Uppal, in collaboration with the Computer Society of India, hosted AI Innovate, a National Level Poster Presentation Competition on 19th and 20th April 2024. The event aimed to stimulate creativity and innovation among students by exploring the latest advancements in Artificial Intelligence. On Day 1 (19-04-2024), four student groups introduced their creatively designed banners, out of which two clusters were shortlisted for the next round. On Day 2 (20-04-2024), participants were given a spot topic and challenged to create and present a poster within two hours. Our students showcased exceptional talent by preparing innovative and visually appealing posters, effectively demonstrating their understanding of AI concepts. All participating students received certificates of participation, recognizing their efforts and creativity. The event provided a valuable platform for students to express ideas, sharpen their presentation skills, and engage with cutting-edge AI topics in a competitive and collaborative environment.



FACULTY NPTEL CERTIFICATIONS

Mr. Mrutyunjaya S Y has demonstrated exceptional dedication to professional development by successfully completing three NPTEL certification courses with top honors, earning an Elite grade in Cloud Computing and Python for Data Science, as well as an **Elite + Silver** grade in Introduction to Internet of Things. These achievements highlight his commitment to mastering advanced technologies and enhancing his expertise, thereby enriching the academic environment and setting a strong example for both faculty and students.


Elite
NPTEL Online Certification
(Funded by the MoE, Govt. of India)
This certificate is awarded to
MRUTYUNJAYA S Y
for successfully completing the course
Introduction to Internet of Things
with a consolidated score of 88 %
Online Assignments 25/25 | Proctored Exam 63/75
Total number of candidates certified in this course:32882
Jan-Apr 2024
(12 week course)
Prof. Hemanti Banerji
Indian Institute of Technology Kharagpur
swayam

During the January to April session, several faculty members demonstrated their commitment to professional growth by excelling in NPTEL certification courses. **Mrs. G. Sumalatha, Mrs. M. Ashwitha, Ms. Katragadda Anuhya, Mrs. Mattaparthi Swathi, Mr. Bairy Mahender, Mr. D. Nagesh, and Mrs. Areddy Divya** each earned the prestigious **Elite + Silver** grade in the 12-week Introduction to Internet of Things (IoT) course. Additionally, **Mrs. Bondugula Mamatha** achieved an **Elite** grade in the same course. These outstanding performances highlight the faculty's dedication to mastering emerging technologies and their ongoing efforts to bring cutting-edge knowledge into the classroom, thereby enriching the learning experience for students.


Elite
NPTEL Online Certification
(Funded by the MoE, Govt. of India)
This certificate is awarded to
M ASHWITHA
for successfully completing the course
Introduction to Internet of Things
with a consolidated score of 85 %
Online Assignments 25/25 | Proctored Exam 60/75
Total number of candidates certified in this course:32882
Jan-Apr 2024
(12 week course)
Prof. Hemanti Banerji
Indian Institute of Technology Kharagpur
swayam


Elite
NPTEL Online Certification
(Funded by the MoE, Govt. of India)
This certificate is awarded to
G SUMALATHA
for successfully completing the course
Introduction to Internet of Things
with a consolidated score of 87 %
Online Assignments 25/25 | Proctored Exam 61.5/75
Total number of candidates certified in this course:32882
Jan-Apr 2024
(12 week course)
Prof. Hemanti Banerji
Indian Institute of Technology Kharagpur
swayam

Mr. D. Nagesh successfully completed the NPTEL 12-week **Cloud Computing** course during the Jan–Apr session, further demonstrating his commitment to continuous professional development in cutting-edge technologies.

Mrs. M. Prashanthi has successfully completed the 12-week **Compiler Design** course offered by NPTEL. This accomplishment reflects her dedication to strengthening her knowledge in fundamental computer science concepts.

Mrs. A. Punitha has earned the prestigious Elite grade upon successfully completing the 12-week Cyber Security and Privacy course offered by NPTEL. Her accomplishment highlights a strong commitment to staying updated with critical and evolving fields in technology, enhancing both her expertise and the academic rigor of our department.

Mr. K. Vijay Babu and Mr. E. Suresh Babu have both successfully completed the 12-week Blockchain and its Applications course offered by NPTEL, earning the prestigious Elite grade. Their accomplishments reflect a strong commitment to advancing their knowledge in emerging technologies, reinforcing the department's focus on cutting-edge subjects. Congratulations to both faculty members for their dedication and excellent performance

STUDENT NPTEL CERTIFICATIONS

As part of the Academic Year 2023–24 (Jan–June), several students have successfully completed NPTEL courses, showcasing their commitment to academic excellence and continuous learning. Noteworthy performances include P. Uday Tejendra Reddy, who secured an Elite certificate with 78% in Programming in Java, followed by Asutosh Tripathy and Kulkarni Sai Saanvi with Elite grades in The Joy of Computing using Python scoring 70% and 69%, respectively. Other commendable achievers in Programming in Java include K. Phanidhar (66%), N. Sushma (67%), T. Jashwanth (64%), and T. Sai Naveen (54%), all earning Elite recognition. B. Ravikumar also earned an Elite in The Joy of Computing using Python with 65%, while Vajrang Tengli received an Elite in Compiler Design with 51%. These accomplishments reflect the students' enthusiasm for expanding their technical knowledge and gaining industry-relevant skills through nationally recognized certification.

Students Achievements

Students across various disciplines have made remarkable strides in academics, technology, and extracurricular during the first half of 2024. **Pooja Jenige** completed the prestigious Google Cyber Security program, while **M. Adithya** gained hands-on experience in AI and ML with Data Science. In the field of sports, **K. Bhagath Goud** represented the college as part of the Baseball Team in a week-long tournament. Talapally Vishwas stood out by earning multiple certifications, including Prompt Engineering by IBM Skills Network, Programming Concepts in Python, and Introduction to Data Science. These achievements highlight the students' proactive approach to skill-building and their diverse interests, contributing to the holistic growth culture at our institution

Faculty Workshops/fdp's Attended

The Department of Computer Science & Engineering is proud to highlight the unwavering commitment of its faculty toward continuous professional development. In the academic period from January to May 2024, our faculty members actively participated in a series of **Faculty Development Programs (FDPs)**, aimed at enhancing both technical expertise and instructional excellence in next-generation technologies.

In February 2024, faculty members including Mrs. Mattaparthi Swathi, Ms. Katragadda Anuhya, Mrs. B. Mamatha, and Mr. M. Prabhakar attended an FDP on **"Python Programming in Django Framework"**, equipping themselves with hands-on knowledge in one of the most widely used web development technologies. Concurrently, Dr. Monika Arya participated in a specialized FDP titled **"Unlocking Industry Insights in Data Science",** deepening her understanding of real-world data trends and analytics applications. Mr. M. Prabhakar further extended his learning by enrolling in another FDP on **"Cloud Computing and Data Science",** bridging key concepts in cloud architecture and AI.

The most notable achievement this term was the department-wide participation in the national-level FDP titled **"AI Insights: Predictive Power of ML, DL & NLP"**, held from 14th to 18th May 2024. This program saw the enthusiastic involvement of over 40 faculty members, including senior professors such as Dr. Sheo Kumar, Dr. Rajesh Tiwari, and Dr. Monika Arya, along with numerous assistant professors. The FDP covered advanced topics in Machine Learning, Deep Learning, and Natural Language Processing, all of which are at the core of modern AI systems.

Dr. Sheo Kumar (Professor, IoT) attended a week-long Faculty Development Program (FDP) at MLRIT from June 24-29, 2024, enhancing expertise in advanced IoT trends.

Mr. Mrutyunjaya S Yalawar (Assistant Professor) has successfully completed an intensive Faculty Development Program (FDP) on Data Analytics using Power BI and Tableau at Amity University from March 11-15, 2024.

B. Mamatha (Asst. Prof.) attended a 5-day FDP on Python Programming in Django Framework at CMREC (Feb 12-16, 2024), upgrading skills in modern web development.

Shyam Sunder (Asst. Prof.) enhanced his expertise in VLSI Design through an intensive 8-day FDP at SRM Institute (May 27 - June 3, 2024). This training will enrich our curriculum with cutting-edge semiconductor technologies.

AI FDP at CMREC (June 17-22, 2024). This intensive training in cutting-edge AI technologies will significantly enhance our institution's teaching and research capabilities in artificial intelligence.

Department of Computer Science and Engineering – Placement Highlights

The Department of Computer Science and Engineering takes immense pride in sharing the remarkable success of its students in the campus placement drive for the academic year 2023–2024. Demonstrating academic excellence, technical acumen, and professional readiness, our students have earned prestigious positions in top-tier organizations.

A total of 182 students from the department secured placements across various renowned companies, marking another milestone in the department's consistent performance. The highest package offered this year was an impressive ₹15.5 LPA, received by Dara Dinesh, who was placed at **Darwinbox**. The average package secured by the students stood at a promising ₹5.45 LPA, reflecting the quality and competitiveness of our graduates.

Several industry giants actively recruited from the department, with Accenture leading the way by offering 48 placements, followed by **Capgemini** (33 offers), Avaya (10 offers),

Valuemomentum (8 offers), **TCS** (7 offers), **RenoteAI** (7 offers), and **TTEC** and **Planon** (6 offers each), among others. Notably, companies such as **Amazon, Deloitte, Infosys**, and **LTIMindtree** also extended offers, showcasing the diverse opportunities available to students.

This achievement is a testament to the dedication and hard work of the students, the commitment of the faculty, and the proactive support of the placement cell. The department remains committed to nurturing talent and equipping students with the skills and opportunities to thrive in the evolving tech landscape.

INTERNSHIP

The Department of Computer Science and Engineering takes immense pride in the outstanding achievements of its final-year students, who have secured prestigious internship opportunities across leading multinational corporations, innovative startups, and global technology firms. These internships, ranging from three months to one year, provide invaluable exposure to real-world projects, industry practices, and professional skill development.

A total of **24 students** commenced 3-month **Software Engineer Internships** at **Accenture** from February to June 2024, strengthening their knowledge in cutting-edge software development and collaborative practices. Similarly, two students, Duppalapally Vinaykumar and Mosarla Nithinreddy, joined Amadeus for a year-long software internship, gaining experience in global travel technology solutions. At ASVA Dynamics, students Ashish Mangal Kari Singh and Billa Saivikas began 2-month technical trainee internships in September 2024.

Several students joined Energy Tech as **Software Analyst Interns**, with engagements ranging from 5 to 6 months across 2023–2024. Prestigious offers were also received from Forcetrix Technologies, Gray Quest, and Infosys, where students worked as Software Interns, Backend Developers, and trainees in short-term assignments. Innovites offered year-long roles to two students, while JR Labs provided 3-month Intern Engineer opportunities.

In the field of **AI and enterprise solutions**, five students joined Kore.ai for 8-month internships in conversational AI, and four students pursued 6-month Machine Learning internships at People **Tech. Meanwhile**, **OC Tanner**, **PALTECH, Planon, and RENOTEAI** offered 12-month industry-driven internships, equipping students with advanced software development and enterprise system skills. Planful selected 11 students for 6-month software developer internships, enhancing their understanding of enterprise applications.

Internship opportunities were not confined to core software roles. P. Kavya explored CRM development at Phable, while creative students such as Jupalli Jeevan Kumar at SHOR and four students at T HUB gained hands-on exposure in graphic design and visual communication.

Additionally, students enhanced their professional skills through internships at **NECUN, UST Global, VISYS, VRNDA, WALL STREET, ZEPTO, and TEKSYSTEMS.** These opportunities ranged from software development and HR practices to technical training, thereby widening the scope of professional learning.

Collectively, these internships reflect the department's strong industry collaborations and commitment to nurturing future-ready engineers. By participating in projects involving software engineering, AI and ML, backend development, enterprise applications, CRM, design, and IT services, students are gaining the technical expertise, problem-solving abilities, and teamwork experience essential for excelling in today's competitive technology landscape.

These achievements underscore not only the caliber and dedication of our students but also the guidance and mentoring provided by the department. As they transition into industry roles, these internships serve as a strong foundation for building successful careers in diverse technology domains, reinforcing the department's vision of producing highly skilled, industry-ready graduates.

Students Co-curricular Achievements

The Department of Computer Science and Engineering has always emphasized a balanced academic journey, and the academic year 2023–24 was a remarkable testament to this vision. Our students actively engaged in a wide spectrum of technical and innovation-driven events at both state and national levels, displaying commendable enthusiasm and excellence beyond the classroom.

- Over 150 students took part in diverse events such as Technical Quiz, CodeSprint, Paper Presentation, Tech Talks, Hackathons, Debugging, Project Expos, and Business Hackathons.
- Notable performances include:
  - B. Maheshwari securing Second Place in the Technical Quiz at Nishkarsana 2024, hosted by TKR College of Engineering.
  - S. Vanisha earned Second Place in Paper Presentation at the same fest.
  - M. Adithya bagged Third Place in "Break Code" at Azura 2024, held at CMR College of Engineering & Technology.
  - Sarah Sonia won the Code King event at Jijnasa 2024 conducted by Bhoj Reddy Engineering College for Women.
  - K. Rajitha and team were Runners-Up in the National-level Business Hackathon at Dayananda Sagar College, Bengaluru.
  - Shiva Kumar of the CSE Department for securing First Place in the Quiz Hack event at the Technovanza 2024 state-level technical fest held at Malla Reddy University on 16th February 2024.
  - Asutosh Tripathy of the CSE Department for winning the Poster Presentation competition at Researcher Day 2023, organized by Chaithanya Bharathi Institute of Technology on 18th November 2023.

II B TECH I SEM TOPPERS A.Y.2023-24

1. **Sushma Nagamalla** (Hall Ticket No. 228R1A05G3) from Computer Science and Engineering has secured a remarkable CGPA of 9.53. Her academic excellence stands as a testament to her hard work and dedication.

2. **Hansika Nerella** (Hall Ticket No. 238R5A0517) from Computer Science and Engineering has achieved an outstanding CGPA of 9.47. Her remarkable academic accomplishments reflect her perseverance and excellence.

3. **Sathya Reddy Dwarampudi** (Hall Ticket No. 228R1A0522) from Computer Science and Engineering has secured an excellent CGPA of 9.37. His consistent academic performance highlights his dedication and hard work.

III B TECH I SEM TOPPERS A.Y.2023-24

1. **Shravani Gattu** (Hall Ticket No. 218R1A0518) from Computer Science and Engineering has secured an excellent CGPA of 9.13. Her strong academic record reflects her dedication and perseverance.
2. **Anusha Guda** (Hall Ticket No. 218R1A0521) from Computer Science and Engineering has achieved a commendable CGPA of 8.98. Her consistent efforts highlight her commitment to academic excellence.
3. **Devendar** (Hall Ticket No. 218R1A0511) from Computer Science and Engineering has secured a notable CGPA of 8.93. His dedication and hard work are evident in his academic success.

IV B TECH I SEM TOPPERS A.Y.2023-24

1. **Manisha Devarayala** (Hall Ticket No. 208R1A05J2) from Computer Science and Engineering has achieved an outstanding CGPA of 9.48. Her exemplary academic performance reflects her dedication and excellence.
2. **Kour Simrandeep** (Hall Ticket No. 208R1A05B1) from Computer Science and Engineering has secured an impressive CGPA of 9.48. Her remarkable academic achievements highlight her commitment and hard work.
3. **Vyshnavi Kyasa** (Hall Ticket No. 208R1A05L1) from Computer Science and Engineering has achieved an excellent CGPA of 9.39. Her dedication and consistent performance reflect her strong academic focus.

2020 Batch Academic Toppers (A.Y. 2023-24)

1. **Kour Simrandeep** (Hall Ticket No. 208R1A05B1) from Computer Science and Engineering secured an excellent CGPA of 9.36, demonstrating exceptional dedication and academic excellence.
2. **Arshia Md** (Hall Ticket No. 208R1A05I5) achieved a commendable CGPA of 9.22, reflecting her consistent hard work and commitment to success.
3. **Sindhu Avula** (Hall Ticket No. 208R1A0565) earned a notable CGPA of 9.11, showcasing her perseverance and strong academic focus.

STUDENT SKETCHES –ARTICLES AND ACHIEVEMENTS

Did you know 10 Amazing Facts on computer which will blow your mind?

1. The first computer virus was created in 1983 and was called the "Elk Cloner."
2. The first computer programmer was Ada Lovelace, who wrote the first algorithm intended for implementation on Charles Babbage's Analytical Engine in the mid-1800s.
3. The term "bug" was coined in 1947 by Grace Hopper when she found a moth in the Harvard Mark II computer.
4. The world's first website went live on August 6, 1991. It was dedicated to information on the World Wide Web project and was hosted on a NeXT computer.
5. The first programming language was Fortran (short for "Formula Translation"), developed by IBM in the 1950s.
6. The most popular programming languages in 2022 were Python, JavaScript, Java, C#, and C++.
7. The first computer mouse was invented by Douglas Engelbart in 1964. It was made of wood and had only one button.
8. The term "debugging" originates from Grace Hopper, who removed an actual moth from a computer, thus "debugging" it.
9. The first email was sent by Ray Tomlinson in 1971. He sent it to himself.
10. The QWERTY keyboard layout was designed in the 1860s by Christopher Latham Sholes. Its layout was designed to prevent typewriter jams by placing commonly used letters apart.

Asutosh Tripathy
228R1A0572
II CSE B

DEEPAK KUMAR SAHOO
228R1A0590
II CSE B

Phulo k baagicho jesa, college ka parivartan
Wohh a CMREC, Mallareddy g kaa darpan

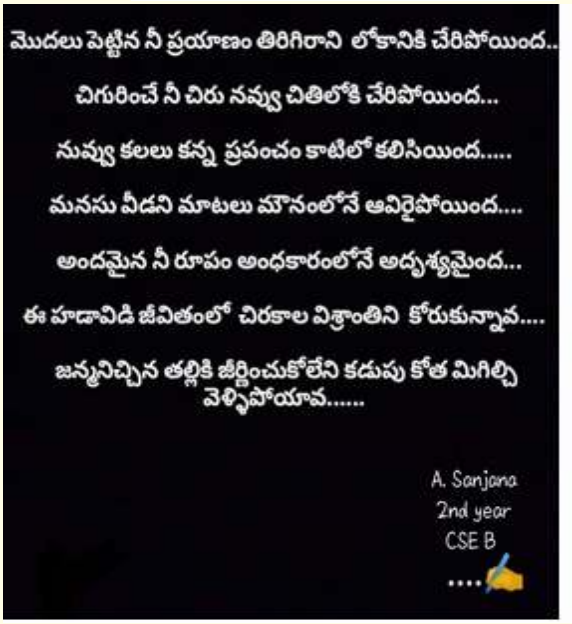
Uttarniyon ke beej, aur gyaan kaa paani
Badhaaate hei pedh, gyaan k raaja aur raani

Duvidhaa ko suljhaate, galtiyon ko sambhaaltei
Pedho k jeevan jese, hamare jeevan ko nikhaaartei.

Khwaabo ki duniya mei, rango ko bhartei
Humare jivan basss ne takk khud jal jaatei

Yaha hei kala shala, pratibha kaaa ujaala
Baccho ki vikaas kala , CMREC ki shamshilata.

B. Vaishnavi
Roll No. :218R1A05K5
Department:CSE –D



Sports Achievements

P. Sukeerthi
(Roll No. 218R1A0554), a 3rd-year CSE student, was selected to represent Telangana in the Senior Nationals Throw Ball Championships held at Patna, Bihar, from 12th to 16th March 2024. Her participation at this prestigious national-level tournament highlights her exceptional talent and dedication to sports.

The Telangana State Women's Throw Ball Team achieved an impressive **3rd place** in the 44th Senior **National Throw Ball Championship 2024** organized by the Throw Ball Federation of India. The tournament was held in Bihar State from 14th to 16th March 2024 and witnessed participation from top teams across the country.

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Mrs. B. Mamatha
Asst. Prof – CSE

Ms. K. Anuhya
Asst. Prof – CSE

Student Coordinators

P. Siva Sai Pavan Prakash
218R1A0510 (CSE II-I)

Pemmaraju Padma Reethika
218R1A05B6 (CSE II-I)

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