

# Newsletter Volume 5 Issue 1 January-February 2024

# Department of Computer Science and Engineering

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# **Editorial Board**

#### **Faculty Members**

Mrs. Sangeetha C - AP/CSE Mrs. Kanimozhi A - AP/CSE

#### **Students**

Pooja R - II CSE
Rohithkumar M - II CSE
Harini M – III CSE
Rishikesh S – III CSE
Kaniska M P – IV CSE

#### ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering (CSE) blossomed in the year 2007 with an intake of 60 students. The department is equipped with a team of well qualified and experienced faculty to improve and enrich the knowledge of the student community. The department has excellent computing facilities which includes Intel® Core™ i9 processor with 16 GB RAM, scanners, high end servers, laser printers etc. with round the clock internet connectivity at the speed of 150 mbps. The theoretical knowledge of students is augmented with hands on training that enable them to assemble computers, interface with peripheral devices and troubleshoot. The department is committed to developing quality computer engineers and strives for excellence. The department has signed MOUs with companies such as Oracle, IBM and Cisco. The objective of these MOUs is to bridge the gap between academia and industry. Every year the industry recognizes the departments outstanding students by giving the "Best Student" and "Best Project" awards.

## **Vision of the Department:**

1. To develop competent and responsible Engineers to meet the current challenges of modern computing industries.

#### **Mission of the Department:**

- 1. To build competencies in advanced computing technologies through project-based learning.
- 2. To collaborate with industries for research projects and consultancy.
- 3. To inculcate the spirit of teamwork, innovation, and entrepreneurship among the students.

# PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- **PEO1:** Apply their technical competence in computer science to solve real world problems, with technical and people leadership
- **PEO2:** Conduct cutting edge research and develop solutions on problems of social relevance.
- **PEO3:** Work in a business environment, exhibiting team skills, work ethics, adaptability and lifelong learning

# PROGRAM SPECIFIC OUTCOMES (PSOs) PROGRAM

- **PSO1:** Exhibit design and programming skills to build and automate business solutions using cutting edge technologies.
- **PSO2:** Strong theoretical foundation leading to excellence and excitement towards research, to provide elegant solutions to complex problems.
- **PSO3:** Ability to work effectively with various engineering fields as a team to design, build and develop system applications.

### **Department Activity**

#### 1. WORKSHOP

The Department of Computer Science and Engineering conducted a one-day hands-on workshop on "Prototyping Your Way into Web Design" Mr. Jayasurya Gnanavel, Founder and CEO of Cybernaut, Chennai, conducted the hands-on training session on web development, covering the WordPress application. He also offered valuable guidance on interview preparation and project development to enhance their skills.



#### 2. HANDS-ON TRAINING

The Computer Science Department organized an enriching hands-on training session on "Full Stack Development Module - 2," which took place from February 27th to March 1st, 2024. The training was led by esteemed faculty members: Mr. B. Sathishkumar, AP/CSE, Ms. C. Sangeetha, AP/CSE, and Dr. T. Gobinath, AP/CSE.

The training program aimed at equipping students with practical skills in full stack development, covering both front-end and back-end technologies. The hands-on approach provided participants with an opportunity to work on real-world projects and gain valuable insights into web development.

We are grateful to the organizing team and the participants for making this event a success. This initiative underscores the department's continuous efforts to enhance the technical skills of students and prepare them for future challenges in the tech industry.

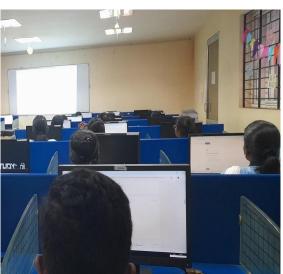


The Computer Science Department organized a highly engaging hands-on training session on "DevOps" from January 22nd to 24th, 2024. The training was expertly conducted by Mr. R. Rajkumar, ASP/CSE, who guided students through the essential tools and practices of DevOps, focusing on enhancing collaboration between development and IT operations teams.

The training provided participants with practical knowledge of automation, continuous integration, continuous delivery, and deployment processes that are critical in modern software development workflows. Students gained valuable insights into DevOps methodologies and learned how to implement them effectively in real-world scenarios.

We would like to thank Mr. R. Rajkumar for his expertise and dedication, as well as all the participants for their enthusiastic involvement. This initiative is part of the department's ongoing efforts to equip students with the skills needed to excel in today's technology-driven world.





#### 3. Value Added Course

The Computer Science Department successfully conducted a value-added course on "Full Stack Development Module – 1" from February 15th to 17th, 2024. The course was led by Mr. R. Rajkumar, ASP/CSE, and Ms. C. Sangeetha, AP/CSE, who guided the participants through essential concepts in full stack development.

This course provided students with a deep understanding of both front-end and back-end technologies, preparing them for the dynamic demands of web development. The hands-on sessions allowed participants to develop practical skills that will serve them well in their academic and professional journeys.

We extend our thanks to the faculty and students for their active participation and dedication, making this course a significant learning experience. The Computer Science Department continues to strive towards offering valuable training programs to enhance the technical expertise of our students.



#### **Technical Activity**

A technical activity, Tech Buzz, was conducted on January 2, 2024, for Year I CSE students to find a solution for a problem statement through Python Programming. This activity enabled students to find and present a solution to the problem. It was an activity designed to enhance participants' Python programming proficiency and problem-solving skills.



#### **Students Achievements and Milestone**

#### 1. Students Participate in the Shooting Stars Foundation AMD AI Challenge (20.02.2024)

On February 20th, 2024, four talented students from the Computer Science Department II Year Kavin P, Dheenadayalan S, Kishore M, and Jayasimma D participated in the prestigious "Shooting Stars Foundation AMD AI Challenge." This contest provided an excellent platform for them to demonstrate their skills in Artificial Intelligence and machine learning, competing against some of the best minds in the field.

The challenge focused on testing participants' ability to solve real-world problems using AI technologies, and our students showed remarkable skill and creativity. Their involvement in this competition reflects the department's commitment to nurturing innovative thinking and technical proficiency in emerging fields like AI.

We congratulate Kavin, Dheenadayalan, Kishore, and Jayasimma for their active participation and wish them the best in their future endeavors.





On February 20th, 2024, Thanigaivel J, a talented student from the Computer Science Department, participated in the esteemed "Shooting Stars Foundation AMD AI Challenge." His outstanding performance in the contest earned him the coveted AMD Hardware Kit, a recognition of his exceptional skills in Artificial Intelligence and machine learning.

The AMD AI Challenge provided participants with a platform to solve complex problems and demonstrate their expertise in cutting-edge technologies. Thanigaivel's achievement highlights his dedication and technical prowess, setting an example for his peers in the department.

We congratulate Thanigaivel J on his success and wish him continued growth and innovation in his future endeavors!



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