PSG POLYTECHNIC COLLEGE

An Autonomous, Government aided and ISO 9001:2015 Certified Institution

Department of Computer Engineering

COMPUTER ENGINEERING ASSOCIATION

DCE
Skills Unplugged

NEWSLETTER FOR THE YEAR

2023-24

PSG POLYTECHNIC COLLEGE: COIMBATORE - 641004
DEPARTMENT COMPUTER ENGINEERING

VISION

The vision of Computer Engineering department is to achieve and evolve as a centre of academic excellence in the frontier areas of computer engineering that responds swiftly to the challenges of the 21st century for the benefit of society.

MISSION

The mission of the department is to

- Impart technical education and knowledge through quality training, hands on experience in the field of Computer Engineering.

- Effectively apply this education to solve real-world problems.

- Groom students with social responsibility needed for career advancement and entrepreneurship.

Program Educational Objectives (PEOs)

PEO1: Gain knowledge to solve a wide range of computing related problems to cater to the needs of both industry and society.

PEO2: Be able to adapt to the evolving technical challenges and changing career opportunities with the capability to work in multidisciplinary environment subsuming ethical values.

PEO3: Enhance the required skills to pursue higher education to excel in industry and entrepreneurship.

Program Specific Outcome (PSOs)

PSO1: To build a solid foundation in Computer Engineering to develop analytical, problem Solving and programming skills.

PSO2: To demonstrate the ability in using modern computer languages and platforms to create opportunities for entrepreneurship, career and higher education.

The Computer Engineering department organized a Guest Lecture on "Career Alignment and Industry Expectation" on 28th July 2023, featuring Mr. T.C. Vijay Karthik, Co-Founder & CEO of Equator Technologies. The lecture focused on aligning career goals with industry needs, emphasizing the demand for skilled professionals in computer engineering. Mr. Karthik highlighted the importance of mastering core concepts like programming, data structures, and algorithms, as well as developing adaptability and soft skills to meet evolving industry expectations. The session aimed to guide students toward building successful careers in the tech field.

The Computer Engineering department organized a Guest Lecture on "Springboot" on 28th August 2023, with Mr. M. Sabarinathan, Chief Executive Manager of Gateway Software Solutions, as the resource person. The lecture focused on the features and benefits of Spring Boot in simplifying Java development. Mr. Sabarinathan explained how Spring Boot's auto-configuration and minimal setup allow developers to quickly create scalable applications, RESTful APIs, and microservices. The session aimed to enhance students' understanding of modern Java development and equip them with practical skills for building efficient applications.

The Computer Engineering department hosted a Workshop on "Full Stack Development" on 09th October 2023, with Mr. V.V. Vasanth, Web Developer at IQube Innovation Center. The session covered essential frontend (HTML, CSS, JavaScript) and backend (Node.js, Express.js, MongoDB) technologies, with hands-on demos of building a full stack application, focusing on CRUD operations and best practices.
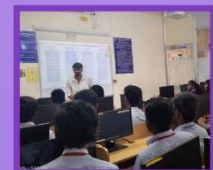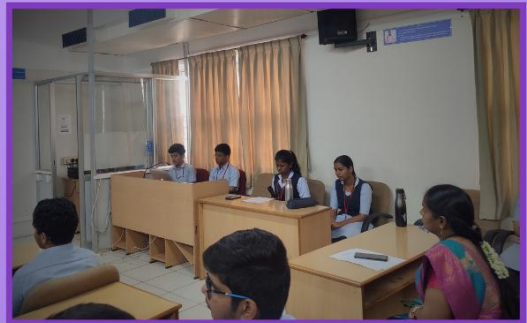

On 23rd December 2023, the Computer Engineering department hosted workshops on key topics in technology. Mr. R. Anandha Kumar, Assistant Vice President at Bank of America, discussed "Network Security in Today's Corporate Sector," focusing on strategies to protect corporate networks. Mr. M. Saravana Kumar, Developer at Zerp Labs India Pvt. Ltd., led a session on "Spring Boot," highlighting its role in simplifying Java development for scalable applications. Mr. Aadhithiya Chakravarthi, Senior Engineer at Bosch Global Software Technologies, conducted a workshop on "UX/UI Design and Tools," covering user-centered design and tools for creating effective interfaces.
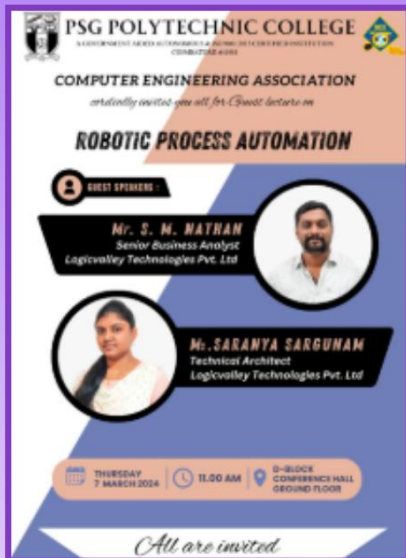
On 2nd February 2024, the Computer Engineering department hosted a workshop on "Entrepreneurship and Startup" with Mr. Vishwanath Surendiran, Co-Founder & CEO of Steam-A, as the resource person. The session focused on the essentials of starting and running a successful startup, offering insights into entrepreneurship, the challenges of building a business, and strategies for growth and innovation in the startup ecosystem.

On 4th March 2024, the Computer Engineering department organized a comprehensive workshop on "AWS-Cloud" with Mr. R. Duvarakesh from IQube Innovation Center, Coimbatore, as the resource person. The session provided an in-depth overview of Amazon Web Services (AWS), covering key cloud computing concepts and services offered by AWS, including storage, computing power, and database management. Mr. Duvarakesh shared practical insights into how AWS is leveraged by businesses for scalable and secure cloud infrastructure, along with best practices for utilizing AWS tools in real-world applications. The workshop aimed to equip students with the knowledge and skills needed to effectively use cloud technology in modern IT environments.

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COMPUTER ENGINEERING ASSOCIATION

cordially invites you all for workshop

AWS-CLOUD

SPEAKER

MR. R.DUVARAKESH
IQube Innovation Center
Coimbatore

9.30 Am - 12.30 Pm

04 March,2024

VENUE I - 524
(DCE LAB)

On 7th March 2024, the Computer Engineering department hosted a workshop on "Robotic Process Automation" with Mr. S. M. Nathan, Senior Business Analyst, and Ms. Saranya Sargunam, Technical Architect at LogicValley Technologies Pvt. Ltd., Coimbatore, as the resource persons. The session focused on the fundamentals of Robotic Process Automation (RPA), its applications in automating business processes, and its role in improving efficiency and productivity. Mr. Nathan and Ms. Sargunam shared insights into RPA tools, real-world implementation strategies, and best practices, helping students understand the growing importance of automation in various industries.

On 22nd March 2024, the Computer Engineering department organized a workshop on "Data Analytics" with Mr. S. K. Dinesh Kumar, Project Lead at Lantrasoft Private Limited, Coimbatore, as the resource person. The session focused on the fundamentals of data analytics, including techniques for data collection, analysis, and visualization. Mr. Dinesh Kumar shared insights into various data analytics tools and methods, emphasizing their applications in making data-driven decisions and improving business outcomes. The workshop aimed to equip students with practical skills to work with data and gain valuable insights in the field of data analytics.

POLYFEST

Polyfest 2K23, proudly organized by PSG Polytechnic College, was a grand celebration of innovation, creativity, and collaboration. The event, held on 23rd September 2023 in the ICT Classroom, brought together the collective efforts of the Computer Networking Association, Computer Engineering Association, and Entrepreneur Club. The day was packed with diverse and exciting activities tailored to inspire and engage participants across various domains.

The Computer Networking Association captivated attendees with thrilling activities such as Network Troubleshooting, where participants honed their technical problem-solving skills, Jenga, which encouraged strategic thinking, and the Cube Solver Game, a test of logic and dexterity. Meanwhile, the Computer Engineering Association fostered artistic and analytical creativity through events like Logo Designing, showcasing talent and innovation, and Charades & Pictionary, which brought fun and collaboration into the mix. The Entrepreneur Club added a dynamic edge with activities like Defining Problem, challenging participants to think critically, Elevator Pitch, which tested their persuasive communication, and Stockino, an engaging exploration of financial strategies.

Polyfest 2K23 created a platform where students could not only showcase their talents but also learn, network, and collaborate in an environment that blended technical prowess, creative expression, and entrepreneurial vision. The event was a resounding success, leaving a lasting impact on participants and setting a high standard for future editions.