Event Report

Event

One-week faculty development program on **"Embedded Systems and Internet of Things (IoT)"** was organised by ECE department of JUET, Guna from 26/05/26 -01/06/26 **in online mode.**

The FDP began with a comprehensive exploration of the **fundamental principles and architectural paradigms of embedded systems**, where participants gained insights into the foundational concepts that govern embedded technologies. We then advanced to understanding **microprocessor architecture and interfacing**, exploring the design philosophies and practical applications of modern processing systems.

The learning continued with an engaging session on **microcontroller systems and programming methodologies**, providing participants with valuable knowledge of programming techniques and contemporary embedded solutions. Subsequently, we delved into the world of **IoT frameworks and protocols**, examining communication standards, architectures, and emerging trends that enable seamless connectivity among devices.

The program further enriched our understanding through the session on **IoT programming**, where practical aspects of developing smart and connected applications were discussed, bridging the gap between theoretical concepts and real-world implementation.

The coordinators of the FDP are Dr. Shefali Sharma and Dr. Manish Patidar. The resource persons who contributed in this FDP are Dr. Shefali Sharma, Dr. Manish Patidar, Dr. Ranu Gupta and Dr. Subodh Kumar Singhal.

Around 75 faculties from various institutes like Atharva University Mumbai, B N College Of Engineering And Technology, Lucknow, Poornima College Of Engineering Jaipur, Parul Institute Of Engineering And Technology, College Of Engineering And Management, Kolaghat, Noida Institute Of Engineering And Technology, Bansal Institute Of Science And Technology, Bhopal, Galgotias College Of Engineering And Technology, Greater Noida, Amity University Gurgaon, N Sahyadri Valley Collage of Engineering & Technology Rajuri, Pune and Lovely Professional University, Phagwara participated in this FDP and made the event sucessful.

Encl:

Event Screenshots