One Week Online Faculty Development Program
on
Automated Software Development and Delivery using Microservices and Kubernetes
(December 26–31, 2023)

Organized by
Institution Industry Linkage Cell (IILC)
Department of Computer Science and Engineering & Information Technology

ABOUT JIIT

Jaypee Institute of Information Technology (JIIT), Noida was established in the year 2001 and has been declared as a "Deemed to be University" under Section 3 of UGC Act 1956 in the year 2004. JIIT has been constantly ranked amongst the top engineering Institutes in Delhi NCR. JIIT's state-of-the-art, environmentally conditioned campus comprises smart buildings with Wi-Fi connectivity covering the Academic Block, Business School cum Research Block, Faculty Residences, Student Hostels and Annapurna. Well-equipped modern laboratories and an intellectually stocked Learning Resource Centre with books and E-Resources provide a pleasant and stimulating ambience.

AIM OF THE EVENT

In the dynamic landscape of software development, the adoption of Microservices and Kubernetes has become instrumental in achieving scalability, flexibility, and resilience. This FDP aims to delve into the transformative realms of Microservices architecture and Kubernetes orchestration, equipping participants with the knowledge and skills to navigate the intricacies of automated software development and delivery. Participants will explore the principles of Microservices design, emphasizing modularization and independence, along with Kubernetes fundamentals, encompassing deployment, scaling, and management of containerized applications. Hands-on sessions will guide participants in creating, deploying, and managing Microservices-based applications using Kubernetes, empowering them to harness the full potential of containerized environments. The FDP will provide participants with a comprehensive understanding of Microservices and Kubernetes, enabling them to architect robust, scalable, and efficient systems. As technology continues to evolve, this FDP stands as a gateway for educators to stay at the forefront of modern software development practices.

KEY HIGHLIGHTS

- DevOps basics
- Infrastructure as code
- Containerization concepts using Kubernetes
- CI/ CD using Jenkins
- Microservices Implementation
- Continuous Deployments

The FDP will be endorsed with distinguished speakers from industry, and prestigious institutes.

TARGET PARTICIPANTS

Faculty/ Industrial Professionals/ Research scholars

APPLY NOW

Interested candidates can register online using the link mentioned below:
https://forms.gle/TsHrPwvbgQb6ZZuJA

IMPORTANT DATES

Last date of online registration: December 23, 2023

List of selected participants to be notified: December 25, 2023

REGISTRATION FEE

INR 500 (Payment Link is given in registration form)

PARTICIPATION CERTIFICATE

E-certificates shall be issued to those participants who have attended the program with minimum 80% attendance and scoring 60% marks in the quiz.

EVENT CO-ORDINATORS

Dr. Amarjeet Prajapati, Dr. Sulabh Tyagi, Dr. Bhawna Saxena

Coordinators FDP

Department of CSE&IT, JIIT, Noida

Mobile: +91 89507 75885, +91 98716 97953, +91981307422

E-mail: amarjeet.prajapati@jiit.ac.in, sulabh.tyagi@jiit.ac.in, bhawna.saxena@jiit.ac.in

The FDP will be conducted in online mode on Google Meet platform