FACULTY DEVELOPMENT PROGRAMME
ON

ORGANIZED BY
BOARD OF STUDIES (COMPUTER SCIENCE AND ENGINEERING)
APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
In association with
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING,
COLLEGE OF ENGNINEERING TRIVANDRUM

22-27 November, 2021

ABOUT THE APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

A P J Abdul Kalam Technological University is established by Government of Kerala in the year 2015. The broad objective of the University is to coordinate, supervise, regulate, guide and provide leadership in all aspects of technological and engineering education and research in Kerala State. The University has its headquarters at Thiruvananthapuram and its jurisdictional authority extends to the whole Kerala State. This University is formulated to unify the technical education system in the State and cater to the aspirations of every student to have world-class education.

ABOUT THE COLLEGE

College of Engineering Trivandrum was established in 1939 as the first Engineering College in the then Travancore State. The College started as a constituent College of Travancore University with an initial intake of 21 students, each for Degree and Diploma courses in Civil, Mechanical and Electrical branches. With the establishment of the Directorate of Technical Education in the late fifties, the College administration came under the control of the Government of Kerala. Over the years, the intake of students increased and as of now with eight full-fledged departments offering eight undergraduate, 27 postgraduate and doctoral programmes under the APJ Abdul Kalam Technological University. The College has around 4500 students, 311 teaching staff, and 290 non-teaching staff. Ever since the inception, the College has maintained its eminence as a leading Engineering College in India. The College ranks among the top in the country in the quality of its graduates and the number of top jobs held by its graduates. With such eminence in the academic and curricular activities, the College is the most sought after Engineering College by Engineering aspirants in the state.

ABOUT THE DEPARTMENT

The first B.Tech course in Computer Science and Engineering in the state was started in this department in the year 1984. The department has the fortune of having the best students through the Common Engineering Entrance Examination conducted by the State. Their academic excellence is reflected in the best placement history of the department, as well as the significant number of students gaining admissions for higher studies in institutions of national and international repute.

Vision

- To be a centre of excellence in education and research in the frontier areas of Computer Science and Engineering.

Mission

- To facilitate quality transformative education in Computer Science and Engineering.
- To promote quality research and innovation in technology for meeting global challenges.
- To transform students to competent professionals to cater to the needs of the society.

ABOUT THE PROGRAMME

The objective of this FDP is to familiarize new concepts, techniques, and tools which are introduced as a part of 5th semester computer science and engineering course (CST 309 Management of Software Systems) to the faculty members. This course covers software development process, software testing, quality assurance, project management concepts and different technology trends and tools. Learners will be equipped with the necessary training on applying the state-of-the-art industry practices in software development.

COURSE CONTENTS

INTRODUCTION TO SOFTWARE ENGINEERING: Agile software development, Agile development techniques, Agile Project Management.

REQUIREMENT ANALYSIS AND DESIGN: Personas, Scenarios, User stories, Feature identification

IMPLEMENTATION AND TESTING: Test automation, Test-driven development, Security testing, DevOps and Code Management , CI/CD/CD.

SOFTWARE PROJECT MANAGEMENT: Risk management, Managing people, Teamwork, Project Planning, Software pricing, Plan-driven development, Project scheduling, Agile planning, Estimation techniques Configuration management, Kanban methodology and lean approaches.

SOFTWARE QUALITY: Cloud-based Software ,Virtualisation and containers, IaaS, PaaS, SaaS, Microservices, Microservices architecture, Microservice deployment.

REGISTRATION LINK

https://forms.gle/U2bQk7nEHnisLwZo8

TARGET GROUP

Teachers of Government, Aided and Self Financing engineering colleges in the State.

RESOURCE PERSONS

Mr. Muhamed Niyas, CTO, Nucore Software Solutions

Mr. Praveen Nair, Program director, Adfolks LLC

Mr. Vineesh U Sathianathan, Founder, elegantive consults and designs

Mr. Sreekanth NS, Associate Professor, Kannur University

Dr. Mathew Kurisinkal, Professor in Computer Science & Engineering in Rajagiri

Mr. Karthik Kalathil, CTO, Wattlecorp Cybersecurity Labs

Mr. Tharun Kumar G, Continuous Improvement Specialist| Six sigma black belt| Lean Coach| ISO 9001:2008 & ISO/IEC 20000-1:2011 Int. Auditor.

Mr. Harish Rajagopal, Master Architect at Hewlett Packard Enterprise, Bangalore

Dr. Anil Kumar P, VP Engineering, Cloud control (Hybcloud Technology), C-DAC building, Thiruvananthapuram.

COORDINATOR

Dr. Salim A, Professor, Department of CSE, College of Engineering Trivandrum. Email: salim@cet.ac.in, Ph. 9446200401

CO-COORDINATOR

Ms. Prafulla P, Assistant Professor, Department of CSE, College of Engineering Trivandrum. Email: prafullap@cet.ac.in, Ph. 9400580525

IMPORTANT DATES

Last Date of Application : 19-11-2021
Date of Intimation about Selection : 20-11-2021
Dates of the FDP : 22-11-2021 to 27-11-2021

INSTRUCTIONS

- Free registration.
- Selection Criteria - A limited number of seats (90) are there, and will be decided based on first-come-first-serve basis.
- Selected candidates will be intimated through mail only.
- Certificates will be issued to the participants after successful completion of the programme.
- Google Classroom and Meet will be used as online platforms to conduct the training programme.