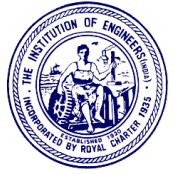# Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)
Old Bombay Road, Gachi Bowli, Hyderabad – 500 032. Telangana, India

INFORMATION TECHNOLOGY DIVISION

CONTINUING PROFESSIONAL DEVELOPMENT PROGRAMME

Microsoft Azure Cloud Administration
15 – 18 July 2024
(Six Hours per day)

Introduction

Microsoft Azure is a cloud computing service created by Microsoft for building, testing, deploying, and managing applications and services through a global network of Microsoft-managed data centers. It provides software as a service (SaaS), platform as a service (PaaS) and infrastructure as a service (IaaS) and supports many different programming languages, tools and frameworks, including both Microsoft-specific and third-party software and systems. Microsoft Azure was earlier called Windows Azure.

Professional Development Programme on **"Cloud Computing Services using Azure"** course will expose the participants to the learning of cloud fundamentals as well as explore how to manage cloud computing applications and infrastructures using **Microsoft Azure.** Microsoft lists over 600 Azure services.

Objective

- ➢ To understand the different cloud computing deployment options, benefits and challenges.
- ➢ To explore how to apply cloud computing to the applications and infrastructures using MS-Azure.
- ➢ You will learn overview of the Azure platform and then deep dive into the individual elements of the Azure platform.

Course Coverage

Cloud Computing Overview

- About Virtualization
- Cloud Computing: Key Concepts
- Benefits of Cloud Computing
- Cloud Computing Architectures
- Cloud Computing Components
- Cloud sourcing vs. Outsourcing
- Infrastructure As A Service (IAAS)
- Platform As A Service (PAAS)
- Software As A Service (SAAS)
- Private vs Public vs Hybrid Clouds
- Infrastructure for the Cloud
- Cloud Development Life Cycle

Cloud Computing using Microsoft Azure

- Understand cloud computing and role of Microsoft Azure and its services
- Build a Virtual Network for an organization

- Manage application and network services
- Provision Virtual machines using Portal and PowerShell
- Design and implement App Service - Web Apps
- Design and implement a storage strategy
- Utilize Storage Account for managing large amount of data.
- Use SQL Database Service to build data centric applications.
- Implement Authentication and Authorization using Azure AD.
- Use Azure Automation tools for managing routine activities

Methodology

Methodology of the programme includes class room sessions with Lecture / Discussion with audio visual aid, bench marked video shows, chalk & talk sessions, group discussions, case studies, debates, sharing of experiences etc. All the sessions will be interactive demanding active participation from all the members.

Target Participants

- IT Managers / System Engineers / Administraters / Programmers / System Analysts/ Defence Scientists
- Professors, Faculty & Technical shtaff of Engineering Colleges.
- All the Managers / Executives / Engineers of Govt & Public Sector, who are interested Cloud Technology

Benefits to the participants

- After completing this course, the Participant will have an understanding of the Cloud Computing environment and practical experience in designing, developing, and deploying Cloud-based solutions
- After completing this course, the Participant will be able to know effective utilization of **Microsoft Azure**.

Venue: ESCI Campus, Hyderabad

Programme Dates & Timings

Dates: 15 – 18 June 2024 (6 Hours per day)
Online session timings will be from 10:00 – 17:00 hrs with One Hour Lunch Break, 15 Minutes Tea break.

Course Director
Mr. Syed Azgar , MBA(IT), RHCE, MCSA
Sr Faculty & Head IT,
Information Technology Division,
Engineering Staff College of India, Hyderabad.

Course Fee

- ₹ **22,000/- (Residential Fee)** per participant. Fee includes course material, course kit, twin-sharing / single AC accommodation as per availability, Breakfast, Lunch, Dinner, Tea / Coffee and Snacks during the actual days of training programme.

Online Course Fee

- ₹ **14,000/-** per Participant. Fee includes 3 Months LMS Platform Access for Digital Learning, 18 Hours Live Interactive Sessions, Experts Online Support and Reading Material Softcopy.

GST @18% is to be paid extra and above the training fee as training. **PAN Card No.** AAATT3439Q. **GST No: 36AAATT3439Q1ZV, HS No.: 999293** (under commercial training or coaching services – clause 65(105) (ZZC) of Finance act – 1994).

Programme fee is to be paid in in favour of **"THE INSTITUTION OF ENGINEERS (INDIA) – ENGINEERING STAFF COLLEGE OF INDIA"** by **Electronic Fund Transfer (EFT)** to ESCI – **Axis Bank** A/c No. **912010049234564** with The Axis Bank Ltd, Old Mumbai Hwy, Cyberhills Colony, P Janardhan Reddy Nagar, GachiBowli Hyderabad-500032 by NEFT/ RTGS/ IFSC Code No. UTIB 0000733 – MICR No.500211020. **While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and programme title.**

A Certificate of participation will be awarded to each participant on conclusion of the programme.