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

PROFESSIONAL DEVELOPMENT PROGRAMME ON

Big Data Analytics for Business Decisions

(Analytics using MS Excel & Power BI)

25 - 27 Sept 2024
At IEI Centre, Shimla, HP

Introduction

Microsoft Power BI is a suite of business intelligence (BI), reporting, and data visualization tools and services for businesses. It converts your raw data into dashboards and visualizations. This allows you to analyze your data more efficiently, spot trends and patterns, and obtains actionable insights to make better business decisions.

Objectives

Upon completion of the training programme, participants will be able to:
- Learn how to use the admin tasks and tools of the Power BI admin portal and the Office 365 admin center.
- Learn how to safely share Power BI assets within the organization.
- Automate the admin tools by using administrative APIs and PowerShell cmdlets

Course Coverage

- Introduction to Power BI
- Understanding Governance in Power BI
  - Components of Data Governance
  - Governance Strategy
- Essentials of Power BI
  - Power BI Desktop
  - Power BI Service
  - Power BI Licensing
- Collaboration
  - Understanding Collaboration and Sharing
  - Types of Collaboration and Sharing
- Introduction to Power BI Administration
  - Understanding Power BI admin roles
  - Tenant administration
  - Capacity and User administration
  - Workspace and apps administration
  - Data and Security administration
- Managing the Tenant
  - Creating and Configuring a Tenant
  - Assigning administration roles
  - Working with Power BI Admin portal
- Workspace Administration
  - Understanding Private and Shared workspaces
- Creating and Upgrading a workspace
- Managing Users and Security
  - Creating new user
  - Multi-factor authentication
- Dataset and Data flows
  - Power BI Datasets
  - Configuring datasets
  - Publishing to the service
  - Managing Power BI Data flows
- Data Access Infrastructure
  - Overview of On-premises Data Gateway
  - Understanding the need for gateway
  - Gateway architecture
  - Power BI Gateway workloads
  - Data gateway models
- Power BI Admin Tools
  - Overview of Portals
  - Power BI Portal
  - Office 365 admin Portal
  - Azure portal
- Automating Power BI Administration
  - Working with REST API

Methodology

Methodology of the programme includes class room sessions with Lecture / Discussion with Hands- on Practical, with tools, 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

(An ISO 9001:2015 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence

Target Participants

- Engineers / Executives working in the areas of Aapplication development, Database Administration, Data Analytics & testing
- Govt. Defence, Public and Private sector personnel, who all wish to understand and enhance their skills in Big Data analytics and methodologies can attend the programme.

Programme Dates & Timings

Venue: At IEI Centre, Shimla, HP

Dates: 25 - 27 Sept 2024

Session timings will be from 10:00 – 17:00 hrs with 01 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 for Offline Training

- ₹ **38,000/- (Residential Fee)** per participant. Fee includes Single AC accommodation as per availability, course material, course kit, Breakfast. Lunch, Dinner, Tea / Coffee and Snacks during the actual days of the training program

- ₹ **20,000/- (Non - Residential Fee)** per participant. Fee includes course material, course kit, Lunch, Tea / Coffee and Snacks during the actual days of the training program

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.**

Registration

Online registration shall be available on ESCI **web portal** : https://escihyd.org/division/it

To register manually please send your nominations giving details of name, designation, contact address, email address, mobile no, telephone and fax number of the participant along with the details of mode of payment of fee, addressed to : **it@escihyd.org**

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