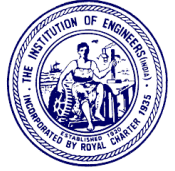# Engineering Staff College of India

**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)**

## 28 - 30 April 2025

**(Online / Offline Program)**

### Introduction

Data Analytics on big data enables business firms to continuously drive innovation and make the best possible decisions. Business Managers, Data Analysts, Data Managers etc. can conduct data driven experiments to interpret data and create data models by using the most versatile tool like **MS-Excel / Power BI** for identifying hidden data patterns from historical data so as to design new strategies for product and services marketing.

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:
- Explore skills on Advanced Tools of Excel for Big Data Analytics
- Increase your overall Power BI expertise and become power user
- Master data cleansing, data modeling, visualization and the Power BI service
- Become a Microsoft Power BI Data Analyst

### Course Coverage

**About Data Analytics & Bigdata**
- o Concepts of BigData
- o Use cases of Bigdata

**Data Analytics using MS excel**
- o Pivot Tables
- o Power View

**Introduction to Power BI**
- Understanding Governance in Power BI
- Essentials of Power BI
- Get Data from Data Sources
- Clean the Data
- Clean, Transform, and Load the Data
- Design and Implement a Data Mode
- Create Model Calculations by Using DAX8
- Optimize Model Performance
- Create Reports
- Enhance Reports for Usability and Storytelling
- Identify Patterns and Trends
- Create and Manage Workspaces and Assets

### 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: Engineering Staff College of India, Hyderabad**

**Dates: 28 - 30 April 2025**

**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

- ₹ **16,500/- (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

- ₹ **10,500/- (Course Fee for Online)** per participant. Fee includes 24 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.**

## 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.**