



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

Data Analytics & Visualization using Tableau

28 - 30 May 2025



Introduction

Tableau 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 obtain actionable insights to make better business decisions.

Tableau training covers in-depth knowledge of Tableau Prep Builder, Tableau Desktop, Charts, LOD expressions, Tableau Online, etc. This Tableau training will help you master the Business Intelligence tool, Data Visualization, and reporting. Throughout this instructor-led training for Tableau, you will be working on real-life industry use case.

Objectives

Upon completion of the training programme, participants will be able to:

- Increase your overall **Tableau** expertise
- Master data cleansing, data modelling, visualization Using **Tebelau**
- To learn Big Data Analytics & Dashbaord creating using **Tableau**

Course Coverage

Data Preparation using Tableau Prep

- Data Visualization
- Business Intelligence tools
- Introduction to Tableau
- Tableau Architecture
- Tableau Server Architecture
- VizQL
- Introduction to Tableau Prep
- Tableau Prep Builder User Interface
- Data Preparation techniques using Tableau Prep Builder tool

Data Connection with Tableau Desktop

- Features of Tableau Desktop
- Connect to data from File and Database
- Types of Connections
- Joins and Unions
- Data Blending
- Tableau Desktop User Interface
- Project: Create a workbook and publish it

Basic Visual Analytics

- Visual Analytics
- Basic Charts: Bar Chart, Line Chart, and Pie Chart
- Hierarchies
- Data Granularity
- Highlighting
- Sorting, Filtering
- Grouping, Sets

Calculations in Tableau

- Types of Calculations
- Built-in Functions (Number, String, Date, Logical and Aggregate)
- Operators and Syntax Conventions
- Table Calculations
- Level Of Detail (LOD) Calculations
- Using R within Tableau for Calculations

Advanced Visual Analytic

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

Target Participants

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

Programme Dates & Timings

Venue: ESCI Campus Hyderabad

Dates: 28 - 30 May 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.

Classroom Training: (Residential Fee)

₹ 16,500/- per Participant. Fee includes course material, course kit, Single / Double Sharing AC accommodation as per availability, Breakfast, Lunch, Dinner, Tea / Coffee and Snacks during the actual days of training programme.

Online Training:

₹ 10,500/- per Participant. Fee includes, 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).

Note : GST Nil for All State & Central Govt. Departments and DRDO, DGQA & Defence Organizations.

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.