

P.R.Pote Patil College of Engineering and Management, Amravati

Department of Computer Science and Engineering

Value Added Courses

Fourth_Year

Title : Introduction to Data Visualization using Tableau

Objectives:

- Understand and apply data visualization technique using Tableau to different problem domains.
- Examine, navigate, and learn to use the various features of Tableau.
- Assess the quality of the data and perform exploratory analysis.
- Create and design visualizations and dashboards for your intended audience.
- Combine the data to and follow the best practices to present your story.

Course Contents:

- What is data visualization, and how we can use it to better see and understand data.
Using Tableau
- Fundamental concepts of data visualization and explore the Tableau interface
- Prepare and import data into Tableau and explain the relationship between data analytics and data visualization.
- Define and examine the similarities and differences of exploratory and explanatory analysis
- Evaluate pre-attentive attributes and why they are important in visualizations
- Charting, dates, table calculations and mapping.
- specific types of charts including scatter plots, Gantt charts, histograms, bullet charts and several others, and we'll address charting guidelines
- Define discrete and continuous dates, and examine when to use each one to explain your data
- How to create custom and quick table calculations and to create parameters
- Introduce mapping and explore how Tableau can use different types of geographic data.
- How to connect to multiple data sources and to create custom maps