

# Online Faculty Development Program

on

## Exploratory Data Analysis and Visualization

[09 Sep - 14 Sep, 2024]

under the aegis of  
**Electronics & ICT Academy**  
IIT Roorkee



Supported by

Ministry of Electronics & Information  
Technology  
Government of India



Experts from Academia/Industry

**Principal Investigator**

**Prof. Sanjeev Manhas**  
E&ICT Academy, IIT Roorkee

Certificates to participants by E&ICT  
Academy IIT Roorkee

Hybrid Mode: AI & DS Lab, SXCCE  
Tamil Nadu

### Why this course ?

This Faculty Development Programme on Exploratory Data Analysis and Visualization is designed to equip you with the tools and techniques necessary to transform raw data into meaningful insights. EDA helps you understand the underlying structure of your data, identify outliers, and detect anomalies, which are crucial steps before any formal modeling and focus to describe dataset characterizations, such as size, quantity, and accuracy, in order to better understand the nature of the data

### Objectives of the course

- To outline an overview of exploratory data analysis.
- To implement visual aids for exploratory data.
- To perform data transformation techniques for data exploration and analysis.
- To apply data sets for data exploration and analysis.
- To use 3D visualization techniques

### Course Features

- 40 Hours of Lectures & hands-on
- Lectures from Expert Speakers, Hands-on from industry/Academia experts
- Expert talks from the industry/Academia
- Access to learning material and video lectures
- Certificate by E&ICT Academy IIT Roorkee

### Focus Areas

- Data Science Fundamentals
- Visual Aids for EDA
- 3D Visualization
- 3D models for virtual Reality
- Developing AR Project ( Ex: AR Education for Kindergarten)

### Prerequisites

- No experience is required, but fundamental knowledge of any programming language would be helpful

### Registration Link

<https://forms.gle/G7xpy9CUnV3egrxV7>

### Registration Fee

Fees: ₹ 500/participant, non refundable  
(Applicable for all)

Note: Refund will be done in case of course cancellation only,  
with in 20 working days

### How to make payment

<https://eict.iitr.ac.in/instruction-for-payment/>

Conference Code: EICTIITR-FDP-24-09

### Course Coordinators

- Prof. Sanjeev Manhas, ECE Department, IIT Roorkee
- Prof. R. Jemila Rose, Head AI & DS, SXCCE, Nagercoil, Tamil Nadu

### Reach Us:

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