



### Chairman, EICT Academy & Director MNIT Jaipur

Prof. Narayana Prasad Padhy

### Chief Investigator, EICT Academy

Prof. Vineet Sahula, ECE

### Coordinator, EICT Academy

Dr. Satyasai Jagannath Nanda, ECE

### Co- Chief Investigators, EICT Academy

Prof. Lava Bhargava, ECE

Prof. Pilli Emmanuel Shubhakar, CSE

Dr. Ravi Kumar Maddila, ECE

### Objective (Electronics & ICT Academy-Phase II)

1) To conduct specialized FDPs for faculty/mentor training in line with the vision of MeitY by promoting emerging areas of technology and other high-priority areas that are pillars of both the "Make in India" and the "Digital India" programs.

2) To promote synergy and collaboration with industry, academia, universities and other institutions of learning, especially in emerging technology areas.

3) To support the National Policy on Electronics 2019 (NPE 2019) which envisions positioning India as a global hub for ESDM sector, including MeitY Schemes/policies such as Programme for Semiconductors and Display Fab Ecosystem; India AI; National Programme on AI, Production Linked Incentive Scheme for IT Hardware & Large-Scale Electronics Manufacturing; EMC; SPECS; Chips to System (C2S); etc.

4) To promote standardization of FDPs through Joint Faculty Development Programmes.

5) To support the vision of the National Education Policy (NEP 2020), which mandates that Indian educators go through at least 50 hours in professional development programmes per year.

6) To design, develop & deliver specialised FDPs on emerging technologies/ niche areas/ specialised modules for specific research areas for Faculty in Higher Education Institutions (HEI), besides FDPs on multi-disciplinary areas connected with ICT tools and technologies and other digital hybrid domains, covering a wide spectrum of engineering and non-engineering colleges, polytechnics, ITIs, and PGT educators.

An intensive 40 Hours Training Programme in online mode is being organized for faculty and doctoral students of management, engineering and technological institutions. It is also open to working professionals from industry/organizations. The main theme of training program will be oriented around exploring the state of the art methods for data visualizations and its applications. The programme will be run during 3-6 PM on weekdays and 10-1 PM & 2- 4 PM on weekends (Sat).

### Experts/Speakers-

1) Dr. Deepak Verma, HOD DMS, MNIT

2) Dr. Divesh Kumar, Assoc. Professor DMS MNIT

3) Mr. Neelansh Yadav, Founder Upstream Academy

4) Dr. Aalok Kumar, Assistant Professor, IIM Vishakhapatnam

4) Dr. Sube Singh, Assistant Professor, WMG, University of Warwick, UK

5) Mr. Amit Jain, VP (AI ML Products), Accenture, PhD IIM Sambalpur

6) Mr. Gautham Sridhar, Manager (Performance Analytics), Bayer

7) Dr. Sandipan Karmakar, Assistant Professor, DMS, MNIT Jaipur

8) Dr. Ayush Gautam, Assistant Professor, DMS, MNIT Jaipur

### Programme Modules:

Module 1: Fundamentals of Data Visualization- Scope, and Applications of Data Vis, Data Types and Structures, Data Vis Workflow

Module 2: Data Pre-processing and Preparation for Visualization- Advanced excel for vis, conditional Formatting, Design solution, Data Cleaning and Transformation, Data Integration and Joining, R and Python for data Vis

Module 3: Hands-on Tableau: Basic and Advanced Techniques- Tableau Interface and Data Connection, Advanced Chart and Network Diagrams, Calculated Fields and Parameters, Storytelling in Tableau, Tableau server.

Module 4: Business Intelligence and Data Visualization for Decision Making- KPIs and Business Dashboards, Data Viz for Strategic Planning and Analysis

Module 5: Research Data Visualization and Scientific Communication: Visualizing Research Data, Visualizations for Scientific Publications, Viz for Exploratory Data Analysis, Viz of Complex Research Data

Module 6: Emerging Trends and Future of Data Visualization

### Principal Coordinator:

Dr. Ayush Gautam,

D. Sandipan Karmakar

[ayush.dms@mnit.ac.in](mailto:ayush.dms@mnit.ac.in)

9549651470 (M)

### Registration:

Registration is open to faculty, working professionals, industry persons, doctoral, postgraduate and graduate students. Participants will be admitted on first-come first-served basis.

Register online at – <http://online.mnit.ac.in/eict/>



### Certification Fee:

	Online
From Academia (faculty/PhD scholars):	500/-
Working professionals, Industry, research-staff/technical staff/students & Others	1500/-

(A) Fee once paid will not be refunded back.

(B) The fee covers participation in the programme, tutorial notes and examination, certification charges & food charges (classroom only)

(C) The organizers should receive the registration amount through online mode- NEFT/UPI, provided at the registration portal.

(D) Detailed schedule will be shared after receiving registration form.

→ For any other query, email us at [fdp.academy@mnit.ac.in](mailto:fdp.academy@mnit.ac.in) , [academy@mnit.ac.in](mailto:academy@mnit.ac.in)