



**International Training Programme on
“Data Analytics for Beginners”
(November 22-26,2021)**

**Programme Coordinators
Dr. Roma Mitra Debnath
Dr. Pawan K. Taneja**

Sponsored by

**Indian Technical and Economic Cooperation (E-ITEC) Programme
Ministry of External Affairs, Govt. of India (MEA)**

Conducted By



**Indian Institute of Public Administration
New Delhi**

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Introduction

The Government officials require understanding or making sense of data. Analytics has become vital for policymakers across departments and ministries and has become a major enabler. The term “analytics” deals with how to obtain, store, analyze, visualize and present data. Improvements in data acquisition technologies and reduction in data storage cost but making sense of collected data and leading to data-driven decisions is the key.

This Data Analytics course introduces beginners to the fundamental concepts of data analytics through real-world case studies and examples. The program will also focus on how to use these techniques in practical situations to enhance decision-making.

Objectives

The objectives of the program are to

- To introduce the participants the concepts of data analytics, and its ecosystem for gaining insights for policy and implementation.
- To help participants consider the organization's capability to analyze, and use data for gaining citizens insights.
- To gain an understanding of various techniques for analytics: Descriptive, diagnostic, predictive and visualization techniques for policy planning and implementation risk management
- To get exposure to leading data analytics software

Program Coverage

This course primarily covers

- Basics of data analytics.
- Basics of various techniques for analytics: Descriptive, diagnostic, predictive and visualization techniques
- Application of techniques such as forecasting, prediction, data etc. in different sectors.

Learning Management System

Since the programme is being conducted in Blended format (a combination of offline and online mode), the reading materials for each sessions will be uploaded on IIPA Learning Management system (LMS) .

To access the Learning Management system (LMS), you need to login to IIPA LMS on following link: <https://learn.iipa.education/course/view.php?id=626>

The username and password for the same will be sent you by a separate email.

The LMS contains all content including, pre-recorded Videos Materials, PowerPoint Presentations, Case Studies and reading material for each session and link for live sessions too. All the study materials on LMS are copyright protected please don't share the same without explicit written permission from course directors.

Dates & Platform

The programme will commence on **Monday, November 22, 2021** and conclude on **Friday November 26, 2021**. The programme will be conducted on **CISCO Webex platform**. Participants needs to download CISCO webex application on Laptops with good internet connectivity for live sessions.

Webex Meeting link:

<https://iipa.webex.com/iipa/j.php?MTID=m6ff4728cb3faf449b675ee43dde472e4>
Meeting number (access code): 2518 649 9517
Meeting password: itec@2021

Schedule of Class

14:00 hrs. To 16:30 IST (TIME CONVERTER)

Certificate

The participants are requested to fill up the feedback form, which will be shared through the google drive.

A Digital Certificate will be awarded to the participants on successful completion of the training programme. The performance of the participants will be evaluated on the basis of punctuality, interaction with the faculty & co-participants and submitted assignments.

List of Participants

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Work Schedule

November 22-26, 2021

DAY/DATE	TIME	TOPIC	SPEAKER
Monday 22.11.2021	1400-1430	Inaugural Briefing about the Course	S N Tripathi (Director General, IIPA) Roma M. Debnath Pawan K. Taneja
	1430-1440	Short Break	
	1440-1630	Data Analytics: An Overview The present and the future trends	Roma M. Debnath
Data Analytics in different Sectors			
Tuesday 23.11.2021	1400-1630	Dealing with different types of data	Roma M. Debnath
		The science of Data Visualization	
Wednesday 24.11.2021	1400-1630	Descriptive Analytics:Using Data Aggregation	Roma M. Debnath
Thursday 25.11.2021	1400-1630	Prescriptive Analytics: Decision Optimization	Pawan K. Taneja
Friday 26.11.2021	1400-1600	Predictive Modeling and Analytics	Roma M. Debnath
	1600-1630	Feedback and Validatory Session	Roma Mitra Debnath Pawan K. Taneja

IIPA Faculty

- **Shri S N Tripathi**
Director General, IIPA

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