

Faculty Development Program

on

Data Analysis on Advance Excel

The poster features a teal background with a network of white dots and lines. At the top left is the Techno India NJR logo. To the right are logos for RTU Kota, NAAC, and AICTE. The main text is centered and reads: 'Faculty Development Program On DATA ANALYSIS ON ADVANCE EXCEL'. Below this, it states the dates '17-19 Jan., 2023' with a calendar icon, the location 'Seminar Hall, Techno Knowledge Campus' with a location pin icon, and the speaker 'Speaker: Dr. Rekha Lahoti, Professor'. At the bottom, there is a black bar containing social media icons for Twitter, Facebook, Instagram, and YouTube, along with the website URL 'www.technonjr.org'.

TECHNO INDIA NJR
INSTITUTE OF TECHNOLOGY

Affiliated to RTU Kota Accredited by NAAC Approved by AICTE

Faculty Development Program
On
**DATA ANALYSIS ON
ADVANCE EXCEL**

17-19 Jan., 2023

Seminar Hall, Techno Knowledge Campus

Speaker: Dr. Rekha Lahoti, Professor

/TechnoIndiaNJR /TechnoNJROfficial www.technonjr.org

Organised by:

Techno India NJR Institute of Technology, Udaipur

EVENT REPORT

Faculty Development Program

on

Data Analysis through Advance Excel

EVENT DETAILS:

Event: Faculty Development Program

Topic: Data Analysis through Advance Excel

Speaker: Dr. Rekha Lahoti

Duration: 17-19 January 2023

No. of Participants: 11

In the modern era, data has become a critical asset for organizations across various sectors. Effectively analyzing data can provide valuable insights for decision-making, strategy formulation, and performance optimization. Among the multitude of tools available for data analysis, Microsoft Excel stands out as a versatile and widely used platform. This report explores the capabilities of advanced Excel techniques for data analysis, including its advantages, methodologies, and best practices.

The Faculty Development Program (FDP) intends to provide assistance to facilitate up-gradation of knowledge and skill in Data Analysis through Advance Excel and intends to provide opportunities to teachers to enhance their knowledge on the practical applicability of Advance Excel.

Advantages of Advanced Excel for Data Analysis:

Accessibility and Familiarity: Excel is a ubiquitous software application, familiar to a vast number of professionals across different industries. Its user-friendly interface and widespread availability make it a convenient choice for data analysis tasks.

Versatility: Advanced Excel offers a wide range of functionalities for data manipulation, visualization, and statistical analysis. From basic arithmetic operations to complex data modeling, Excel can accommodate diverse analytical requirements.

Integration with External Data Sources: Excel seamlessly integrates with external data sources such as databases, web services, and other software applications. This capability allows users to import large datasets from multiple sources for analysis within Excel's environment.

Methodologies for Data Analysis in Advanced Excel:

Data Cleaning and Preparation: Before analysis, it's essential to clean and prepare the data to ensure accuracy and consistency. Advanced Excel provides tools for data cleaning, including filtering, sorting, and removing duplicates.

Descriptive Statistics: Excel offers built-in functions for calculating descriptive statistics such as mean, median, standard deviation, and quartiles. These functions provide insights into the central tendency, dispersion, and distribution of the data.

PivotTables and PivotCharts: PivotTables and PivotCharts are powerful tools in Excel for summarizing and visualizing large datasets. They allow users to dynamically aggregate, filter, and analyze data across different dimensions, providing interactive insights into the underlying trends and patterns.

Data Modeling and Forecasting: Excel's built-in functions and tools enable users to perform data modeling and forecasting. Regression analysis, trend analysis, and exponential smoothing are among the techniques that can be implemented to analyze historical data and make predictions for the future.

List of faculties attended the program:

1. Mr Abhishek Sharma
2. Mr Aditya Maheshwari
3. Mr Akhilesh Arya
4. Ms Archana Sachin Rahane
5. Ms Pooja Dave
6. Mr Hitesh Sen
7. Mr Jitendra Choubisa
8. Ms Kirti Purswani
9. Ms Payal Patel
10. Ms Nikita Menaria
11. Mr Nishit Jain



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Certificate of Participation

This certificate is presented to Dr./Mr./Ms. ABHISHEK SHARMA

For his/her participation in Faculty Development Program on “Data Analysis on Advance Excel” organized by Techno India NJR Institute of Technology Udaipur on 17-19 Jan, 2023

सा विद्या या विभुक्तै

Mr. R.S. Vyas

(Director)



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This certificate is presented to Dr./Mr./Ms. ADITYA MAHESHWARI

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This certificate is presented to Dr./Mr./Ms. AKHILESH ARYA

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This certificate is presented to Dr./Mr./Ms. ARCHANA SACHIN RAHANE

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This certificate is presented to Dr./Mr./Ms. POOJA DAVE

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This certificate is presented to Dr./Mr./Ms. HITESH SEN

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This certificate is presented to Dr./Mr./Ms. JITENDRA CHOUBISA

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This certificate is presented to Dr./Mr./Ms. KIRTI PURSWANI

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