



K D K College of Engineering, Nandanvan, Nagpur

Department of Information Technology

Guest Lecture on Exploratory Data Analysis

Guest Lecture Report

Dated: 13/12/2025

Venue: B-212



Submitted by-

**Prof. Y. D. Choudhari
Program Co-ordinator**

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Guest Lecture on Exploratory Data Analysis

Dated: 13/12/2025

Guest Lecture Report

Objective – The objective of the guest lecture was to introduce students to the concept of **Exploratory Data Analysis (EDA)** and to emphasize its significance in data science and analytics. The session aimed to help students understand how data can be analyzed and visualized to discover patterns, trends, and insights before applying advanced analytical or machine learning techniques.

Description- The Department of Information Technology, K. D. K. College of Engineering, Nagpur, organized a **Guest Lecture on “Exploratory Data Analysis”** on **12 December 2025**. The lecture was delivered by **Dr. Latesh Malik, Associate Professor, Government College of Engineering (GCOE), Nagpur**, an expert in data analytics and academic research.

During the session, Dr. Malik explained the fundamentals of EDA, including types of data, data cleaning, data preprocessing, and descriptive statistics. He also highlighted the importance of understanding datasets before applying predictive models. Various data visualization techniques such as histograms, box plots, bar charts, scatter plots, and correlation analysis were discussed with practical examples.

The lecture was highly interactive, with real-life case studies and examples that helped students relate theoretical concepts to practical data analysis scenarios. Students actively participated by asking questions and engaging in discussions related to data interpretation and decision-making.

Outcome

At the end of this event students will be able to:

1. **Ability to Identify Data Types and Structures**
Participants learned to distinguish between different data types and structures, helping them select appropriate analysis methods.
2. **Data Cleaning and Preprocessing Skills**
Students understood the importance of data cleaning, including handling missing values and outliers, to improve data quality.
3. **Application of Statistical Techniques**
The lecture enabled students to apply basic statistical measures for summarizing and interpreting datasets effectively.
4. **Data Visualization Proficiency**
Participants were introduced to various visualization techniques to identify patterns, trends, and relationships in data.

KDK College of Engineering, Nagpur
Department of Information Technology

2025-2026

Notice

Date: 11/12/2025

This is to inform that Department of Information Technology, K.D.K. College of Engineering, Nagpur, is organizing "Guest Lecture on Exploratory Data analysis by Dr. Latest Malik, Associate Professor, GCOE, Nagpur" for First year students on 13/12/2025.

All the students are informed to attend all the Lecture.


Prof. P. S. Dewalkar
Event Coordinator

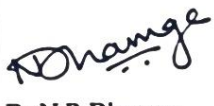
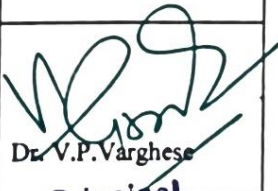

Prof. Y. D. Choudhari
Event Incharge


Dr. Mrs. S. P. Khandait
(HOD, IT)
HOD
Department of Information Technology
KDK College of Engineering,
Nagpur - 440024

K D K College of Engineering, Nagpur
Department of Information Technology
Guest Lecture Report (Session: 2025-2026)

Category of the Activity:	Guest Lecture		
Title of the Activity	Exploratory Data Analysis		
Date of Activity	13/12/2025		
No. of Students Involved:	Male: 35	Female: 25	Total: 60
Details of Invited Speaker	Dr. Latesh Malik, Associate Professor, GCOE, Nagpur		

Brief about an Activity	The Department of Information Technology organized a Guest Lecture on "Exploratory Data Analysis" by Dr. Latesh Malik, Associate Professor, GCOE, Nagpur on 13-12-2026. To provide students with essential knowledge of data analysis techniques used in data science. The session focused on understanding datasets, identifying patterns, and visualizing data effectively to support data-driven decision-making.
Objectives	• To introduce students to Exploratory Data Analysis concepts • To explain the importance of EDA in data science projects • To demonstrate data visualization and statistical techniques • To enhance analytical and critical thinking skills
Outcomes	• Students gained fundamental knowledge of data exploration • Participants learned to apply statistical and visualization methods • Students understood real-world applications of EDA • The lecture increased interest in data science and analytics

Faculty Coordinator	HoD/ Committee Incharge	IQAC Coordinator	Principal
 Prof. Y. D. Choudhari	 Dr. S.P.Khandait	 Dr. N.R.Dhamge	 Dr. V.P.Varghese Principal

IQAC Coordinator x. D. K. College of Engg.
KDK College of Engineering
Nagpur
NAGPUR

Report

The Department of Information Technology successfully organized a Guest Lecture on “Exploratory Data Analysis” on 12/12/2025. The lecture was delivered by Dr. Latesh Malik, Associate Professor, GCOE, Nagpur, who shared valuable insights into the process of analyzing and understanding data before applying advanced analytics techniques.

The session covered key aspects such as data types, handling missing values, detecting outliers, and visualizing data to identify trends and relationships. Dr. Malik emphasized the role of EDA in building reliable and accurate data-driven models. Practical examples and case studies made the session engaging and informative.

The interactive discussion encouraged students to actively participate and clarify their doubts. Overall, the guest lecture was highly beneficial and contributed significantly to enhancing students’ analytical skills and understanding of data science concepts.

Attendance Sheet



K. D. K. College of Engineering, Nagpur
Department of Information Technology
Session 2025-2026
First Year - (I SEM)
Guest Lecture on Exploratory data analysis

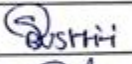
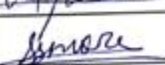
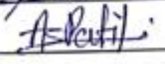
Guest Speaker: Dr. Latest Malik, Associate Professor, GCOE, Nagpur

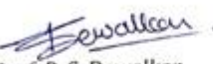
Date: 13/12/2025

Roll No.	Student Name	Signature
1	Amya Borkekar	
2	Lina Kakde	
3	Snehal M. Jadge	
4	Muskan S. Pathe	
5	Dakshita L. Maneshwar	
6	Srushthi B. Kamble	
7	Maherose Mohammadi	
8	Swaraj Mude	
9	Aditya Malewar	
10	Aditya Ramteke	
11	Aryan Wagh	
12	Anshaj Sable	
13	Rudra Lohkar	
14	Gaurav Bokade	
15	Aarshi Admane	
16	Atharva Lakhe	
17	Dipesh Chouhan	
18	Maithili. Khadse	
19	Aastha Singh.	
20	Tanvi Bagde	
21	Tinkal Pandhi	
22	Himanshi Charhan	
23	Tushar. Raut	
24	Vedant Naware	

Roll No.	Student Name	Signature
25	Shrinivas P. Suryawanshi	<u>Shrinivas</u>
26	Shrikant Raje	<u>Shrikant</u>
27	Yash Rakas	<u>Yash Rakas</u>
28	Tanmay Lunjewar	<u>Tanmay</u>
29	Parth Misal	<u>Parth</u>
30	Survesh Kapre	<u>Survesh</u>
31	Man. Krishna Badwaik	<u>R. Badwaik</u>
32	Pranav Tondre	<u>Pranav</u>
33	Sumit Ramteke	<u>Sumit Ramteke</u>
34	Sandeep. Khillare	<u>Sandeep</u>
35	Deepak Goswami	<u>Deepak</u>
36	Om Chaudhari	<u>Om Chaudhari</u>
37	Devesh. M. Tadaw	<u>Devesh</u>
38	Deepesh Logale	<u>Deepesh</u>
39	Rohan S. Gaware	<u>Rohan</u>
40	Darshan N. Chaudhan	<u>Darshan</u>
41	Pranav P. Jaswant	<u>Pranav</u>
42	On A. Mankar	<u>Onkar</u>
43	Sushant Bhanware	<u>Sushant</u>
44	Sahil G. Dapurkar	<u>Sahil</u>
45	Aditya Keshar Chavan	<u>Aditya</u>
46	Balaji Nigam	<u>Balaji</u>
47	Priya K. Bawankar	<u>Priya</u>
48	Pratiksha S. Chaudhary	<u>Pratiksha</u>
49	Shreya M. Bucchhe	<u>Shreya</u>
50	Mushan Bhuyar	<u>Mushan</u>
51	Gargi Vinchurane	<u>Gargi</u>
52	Vidhi A. Tiwari	<u>Vidhi</u>
53	Siddhi Madne	<u>Siddhi</u>
54	Bhairavi Kaphane	<u>Bhairavi</u>

Sumit

Roll No.	Student Name	Signature
55	Shrasti Walikar	
56	Asmi V. Poud	
57	Shreya N. Deshmukh	
58	Minakshi G. Tiwari	
59	Siddhi S. More	
60	Aditya S. Patil	
61	Atul K. Hirkanne	
62	Tushar D. Ghose	
63		
64		
65		
66		
67		
68		


 Prof. P. S. Dewalkar
 Event Cocordinator


 Prof. Y. D. Choudhari
 Event Coordinator


 Dr. S. P. Khandait
 (HOD, IT)

Poster/Banner

 "SERVICE TO THE SOCIETY THROUGH QUALITY TECHNICAL EDUCATION"
K.D.K. COLLEGE OF ENGINEERING
AN AUTONOMOUS INSTITUTE
(ACCREDITED BY NAAC & NBA)


DEPARTMENT OF INFORMATION TECHNOLOGY
Guest Lecture on Exploratory Data Analysis



Dr. Latesh Malik
Associate Professor, GCOE, Nagpur

 **13/12/2025**  **12:00PM**
Venue: B-217, CSE Seminar Hall

Prof. P. S. Dewalkar Event Cocordinator	Prof. Y. D. Choudhari Event Coordinator
Dr. A. M. Badar Vice Principal, KDKCE	Dr. Valsson Varghese Principal, KDKCE
Dr. Mrs. S. P. Khandait (HOD, IT)	

Photographs





Expert Talk on Exploratory Data Analysis Techniques