



TECHNO INDIA NJR INSTITUTE OF TECHNOLOGY

Approved by AICTE & Affiliated to Rajasthan Technical University

www.technonjr.org

NJR Knowledge Campus, Plot-SPL-T, Bhamashah (RIICO) Industrial Area, Kaladwas, Udaipur - 313003 (Raj.)
Tel. : +91 2942650214-17 Fax :+91 2942650218, Email : technonjr@gmail.com, director@technonjr.org



Affiliated to RTU Kota



Accredited by NAAC



Approved by AICTE



Faculty Development Program


On




Data Science

 17-19 Nov., 2022

 Seminar Hall, Techno Knowledge Campus

Speaker: Mr. Lalit Yagnik, Professor, Mr. Aaditya
Maheshwari, Assistant Professor

 /TechnoIndiaNJR

   /TechnoNJROfficial

 www.technonjr.org

Faculty Development Programme Report: Data Science

Event Date: 17-19 Nov 2022

Venue: Seminar Hall

No of Participants: 12

Introduction

The workshop on Data Science held during 17-19 Nov 2022 aimed to introduce participants to the foundational concepts, methodologies, and tools used in the field of data science. Throughout the workshop, attendees gained insights into various aspects of data science, including data analysis, machine learning, and data visualization. The sessions were interactive, engaging, and catered to individuals with diverse backgrounds, ranging from beginners to intermediate learners. This report provides a comprehensive overview of the workshop's objectives, content covered, key takeaways, and feedback from participants.

Objectives:

Introduction to Data Science: To provide participants with an overview of what data science entails, its applications across various industries, and the skills required to pursue a career in this field.

Data Collection and Pre-processing: To familiarize attendees with techniques for collecting data from different sources and preparing it for analysis, including data cleaning and transformation.

Exploratory Data Analysis (EDA): To demonstrate the importance of EDA in understanding the characteristics of a dataset, identifying patterns, and formulating hypotheses.

Machine Learning Fundamentals: To introduce the basic concepts of machine learning, including supervised and unsupervised learning, and popular algorithms such as linear regression, decision trees, and clustering.

Data Visualization: To emphasize the significance of data visualization in communicating insights effectively and showcasing various visualization techniques using tools like Matplotlib and Seaborn.

Hands-on Exercises: To provide participants with practical experience through hands-on exercises and projects, allowing them to apply the concepts learned during the workshop.

Key Takeaways:

Foundational Knowledge: Participants gained a solid understanding of the core concepts and methodologies in data science, enabling them to pursue further learning independently.

Practical Skills: Hands-on exercises provided attendees with practical experience in data analysis, machine learning, and data visualization, enhancing their proficiency in these areas.

Networking Opportunities: The workshop facilitated networking among participants, allowing them to connect with peers and industry professionals with similar interests and aspirations.

Resource Materials: Participants received resource materials, including datasets, code samples, and reference guides, to continue their learning journey beyond the workshop.

Conclusion:

The Data Science workshop provided participants with a comprehensive introduction to the fundamental concepts, methodologies, and tools in the field of data science. Through a combination of theoretical instruction and hands-on exercises, attendees gained practical skills that they can apply in their academic pursuits and professional endeavors. The overwhelmingly positive feedback from participants underscores the success of the workshop in achieving its objectives and highlights the demand for continued learning opportunities in data science.

List of participants:

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



TECHNO INDIA NJR
INSTITUTE OF TECHNOLOGY

Certificate of Participation

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

For his/her participation in Faculty Development Program on “Data Science” organized by
Techno India NJR Institute of Technology Udaipur on 17-19 Nov, 2022

Mr. R.S. Vyas
(Director)



TECHNO INDIA NJR
INSTITUTE OF TECHNOLOGY

Certificate of Participation

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

For his/her participation in Faculty Development Program on “Data Science” organized by Techno India NJR Institute of Technology Udaipur on 17-19 Nov, 2022

Mr. R.S. Vyas
(Director)



TECHNO INDIA NJR
INSTITUTE OF TECHNOLOGY

Certificate of Participation

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

For his/her participation in Faculty Development Program on “Data Science” organized by Techno India NJR Institute of Technology Udaipur on 17-19 Nov, 2022

Mr. R.S. Vyas
(Director)



TECHNO INDIA NJR
INSTITUTE OF TECHNOLOGY

Certificate of Participation

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

For his/her participation in Faculty Development Program on “Data Science” organized by Techno India NJR Institute of Technology Udaipur on 17-19 Nov, 2022

Mr. R.S. Vyas
(Director)



TECHNO INDIA NJR
INSTITUTE OF TECHNOLOGY

Certificate of Participation

This certificate is presented to Dr./Mr./Ms. PAYAL PATEL

For his/her participation in Faculty Development Program on “Data Science” organized by Techno India NJR Institute of Technology Udaipur on 17-19 Nov, 2022

सा विद्या या विभुक्तै

Mr. R.S. Vyas
(Director)



TECHNO INDIA NJR
INSTITUTE OF TECHNOLOGY

Certificate of Participation

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

For his/her participation in Faculty Development Program on “Data Science” organized by Techno India NJR Institute of Technology Udaipur on 17-19 Nov, 2022

सा विद्या या विभुक्तै

Mr. R.S. Vyas
(Director)



TECHNO INDIA NJR
INSTITUTE OF TECHNOLOGY

Certificate of Participation

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

For his/her participation in Faculty Development Program on “Data Science” organized by Techno India NJR Institute of Technology Udaipur on 17-19 Nov, 2022

Mr. R.S. Vyas
(Director)



TECHNO INDIA NJR
INSTITUTE OF TECHNOLOGY

Certificate of Participation

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

For his/her participation in Faculty Development Program on “Data Science” organized by Techno India NJR Institute of Technology Udaipur on 17-19 Nov, 2022

Mr. R.S. Vyas
(Director)



TECHNO INDIA NJR
INSTITUTE OF TECHNOLOGY

Certificate of Participation

This certificate is presented to Dr./Mr./Ms. KRITI JAIN

For his/her participation in Faculty Development Program on “Data Science” organized by Techno India NJR Institute of Technology Udaipur on 17-19 Nov, 2022

Mr. R.S. Vyas
(Director)



TECHNO INDIA NJR
INSTITUTE OF TECHNOLOGY

Certificate of Participation

This certificate is presented to Dr./Mr./Ms. NIKITA MENARIA

For his/her participation in Faculty Development Program on “Data Science” organized by Techno India NJR Institute of Technology Udaipur on 17-19 Nov, 2022

सा विद्या या विभुक्तै

Mr. R.S. Vyas
(Director)



TECHNO INDIA NJR
INSTITUTE OF TECHNOLOGY

Certificate of Participation

This certificate is presented to Dr./Mr./Ms. NISHA PATEL

For his/her participation in Faculty Development Program on “Data Science” organized by Techno India NJR Institute of Technology Udaipur on 17-19 Nov, 2022

Mr. R.S. Vyas
(Director)



TECHNO INDIA NJR
INSTITUTE OF TECHNOLOGY

Certificate of Participation

This certificate is presented to Dr./Mr./Ms. **NISHIT JAIN**

For his/her participation in Faculty Development Program on “Data Science” organized by Techno India NJR Institute of Technology Udaipur on 17-19 Nov, 2022

Mr. R.S. Vyas
(Director)