

Faculty Development Program
on
Teaching, Advance Research Methodology & Modelling
Techniques



The poster features a light beige background with decorative elements including a Bohr-style atomic model, a molecular structure with H₂O and Z labels, and a chemical structure H-C=C-H. At the top left is the Techno India NJR logo. At the top right are logos for RTU Kota, NAAC, and AICTE. The main title is centered in a mix of bold sans-serif and cursive fonts. Below the title, the date and location are listed with icons. The speaker's name and title are at the bottom. A footer bar contains social media and website information.

TECHNO INDIA NJR
INSTITUTE OF TECHNOLOGY

Affiliated to RTU Kota Accredited by NAAC Approved by AICTE

Faculty Development Program
On

**Teaching, Advance Research
Methodology & Modelling
Techniques**

 2-4 Aug, 2022

 Seminar Hall, Techno Knowledge Campus

Speaker: Dr. Vivek Jain, Associate Professor.

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Organised by:
Techno India NJR Institute of Technology, Udaipur

EVENT REPORT

Faculty Development Program on Teaching, Advance Research Methodology & Modelling Techniques

EVENT DETAILS:

Event: Faculty Development Program

Speaker: Dr. Vivek Jain

Topic: Teaching, Advance Research Methodology & Modelling Techniques

Duration: 2-4 August 2022

No. of Participants: 9

A three days Faculty development programme on “Teaching, Advance Research Methodology & Modelling Techniques” was successfully conducted in the Techno India NJR Campus, on 2-4 August 2022.

In today's rapidly evolving world, the importance of advanced research methodology and modeling techniques cannot be overstated. These skills are crucial for scholars, researchers, and professionals across various disciplines to conduct robust analyses, derive meaningful insights, and make informed decisions. This report delves into the significance of teaching advanced research methodology and modeling techniques, explores effective pedagogical approaches, and highlights the benefits of incorporating these skills into educational curricula.

Importance of Advanced Research Methodology and Modeling Techniques:

Precision and Rigor: Advanced research methodology equips individuals with the tools and techniques to design experiments, collect data, and analyze results with precision and rigor. Modeling techniques enable the representation of complex systems and phenomena, allowing researchers to simulate various scenarios and predict outcomes accurately.

Problem Solving and Innovation: Proficiency in advanced research methodology fosters critical thinking and problem-solving skills essential for addressing real-world challenges. By

employing sophisticated modeling techniques, researchers can develop innovative solutions to complex problems in fields such as science, engineering, economics, and healthcare.

Evidence-Based Decision Making: In both academia and industry, evidence-based decision making is paramount. Advanced research methodology enables researchers to gather empirical evidence systematically, while modeling techniques facilitate the analysis of data to inform decision making and policy formulation.

Pedagogical Approaches to Teaching:

Hands-on Learning: Incorporating practical exercises, case studies, and research projects into the curriculum allows students to apply theoretical concepts in real-world contexts. Hands-on learning experiences enhance understanding and retention of advanced research methodology and modeling techniques.

Interdisciplinary Collaboration: Encouraging interdisciplinary collaboration fosters a holistic understanding of research methodology and modeling techniques. By working with peers from diverse backgrounds, students gain insights into different perspectives and approaches, enriching their learning experience.

Use of Technology: Leveraging cutting-edge technologies such as simulation software, data analytics tools, and programming languages facilitates the teaching of advanced research methodology and modeling techniques. Interactive software platforms and online resources provide students with opportunities for self-directed learning and experimentation.

List of faculties attended the program:

1. Mr Abhishek Sharma
2. Mr Aditya Maheshwari
3. Mr Akhilesh Arya
4. Ms Archana Sachin Rahane
5. Mr Hitesh Sen
6. Ms Kirti Purswani
7. Ms Nikita Menaria
8. Ms Nisha Patel
9. 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 “Teaching, Advance Research Methodology & Modelling Techniques” organized by Techno India NJR Institute of Technology Udaipur on 2-4 Aug, 2022

Mr. R.S. Vyas
(Director)



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Certificate of Participation

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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Certificate of Participation

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

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(Director)



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

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(Director)



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

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(Director)



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

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(Director)



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

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(Director)



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Certificate of Participation

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

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Mr. R.S. Vyas
(Director)