



# MANIPAL UNIVERSITY JAIPUR TEACHER EMPOWERMENT CENTRE (MUJ-TEC)

A report on

*A Pedagogy Workshop*

on

Effective Teaching-Learning Environment using ICT Tools

**04-06 July 2022**

*Dr. Shalini*

## **Introduction of the Event**

Welcome to the Pedagogy Workshop on "Effective Teaching-Learning Environment using ICT Tools". This workshop aims to equip educators with the knowledge and skills necessary to create a dynamic and engaging learning experience using Information and Communication Technology (ICT) tools.

Education has undergone a paradigm shift with the advancement of technology. The incorporation of Information and Communication Technology (ICT) in teaching-learning practices has opened up new dimensions for both teachers and learners. In today's digital age, the role of technology has become increasingly crucial in creating an effective learning environment. With this in mind, a pedagogy workshop on creating an effective teaching-learning environment using ICT tools was conducted. The workshop aimed to empower teachers with the necessary skills and knowledge to incorporate technology into their pedagogy, enhance student engagement and promote active learning. This report will highlight the key takeaways from the workshop, the benefits of using ICT tools in the classroom, and strategies to create an effective teaching-learning environment.

## **Objective of the Event**

The objective of the Pedagogy Workshop on "Effective Teaching-Learning Environment using ICT Tools" is to provide educators with the knowledge and skills necessary to create an engaging and interactive learning environment using Information and Communication Technology (ICT) tools. The workshop aims to:

1. Explore the benefits of using ICT tools in the classroom and how they can be used to enhance teaching and learning.
2. Provide practical guidance and hands-on experience on how to effectively integrate ICT tools into teaching strategies.
3. Demonstrate how ICT tools can be used to create engaging and interactive lessons, promote collaboration, and increase student engagement.
4. Provide an opportunity for educators to share best practices and learn from each other's experiences.
5. Enable educators to design and implement effective assessments using ICT tools.
6. Foster a culture of innovation and creativity in the classroom, encouraging educators to think outside the box and explore new ways of teaching.

By the end of the workshop, participants will have a deeper understanding of how to use ICT tools to create an effective teaching-learning environment that fosters student engagement, collaboration, and success.

## **Beneficiaries of the Event**

The Pedagogy Workshop on "Effective Teaching-Learning Environment using ICT Tools" is beneficial for a wide range of educators, including:

1. Teachers at all levels: The workshop is relevant to teachers in primary, secondary, and tertiary education who are looking to enhance their teaching practices using ICT tools.
2. Teacher educators: Teacher educators who are responsible for training and supporting teachers can benefit from this workshop by gaining a deeper understanding of how to integrate ICT tools into teacher training programs.



MANIPAL UNIVERSITY  
JAIPUR

3. Educational administrators: Administrators who are responsible for developing educational policies and strategies can benefit from this workshop by gaining insights into how to create a culture of innovation and creativity in the classroom.
4. Curriculum developers: Curriculum developers can benefit from this workshop by gaining insights into how to design and implement effective assessments using ICT tools.
5. Education policymakers: Education policymakers can benefit from this workshop by gaining insights into how to support and promote the use of ICT tools in the classroom to improve learning outcomes.

Overall, the workshop is relevant to anyone who is interested in creating an effective teaching-learning environment using ICT tools, regardless of their role in the education sector.

Dr. Shalini

### **Details of the Event:**

The Manipal University Jaipur-Teacher Empowerment Center (MUJ-TEC) organized a Pedagogy Workshop on "**Effective Teaching-Learning Environment using ICT Tools**" between **04-06 July 2022** from **10:00-12:00 PM** at **2AB-015**. The workshop was coordinated by **Dr. Gaurav Kataria**, Assistant Professor, Department of Chemical Engineering, MUJ. The objective of this workshop was to enhance the teaching and learning skills of newly joined faculty members. This workshop focused on two ICT platforms: *OneNote and Latex*.

#### Day-1

On the first day (04 July 2022), a talk and hands-on was delivered by **Dr. Gaurav Kataria, Assistant Professor, Department of Chemical Engineering**, Manipal University Jaipur, and **Dr. Amit Kumar Bairwa**, Department of CSE, Manipal University Jaipur on the LaTeX software.

The lecture covered the broad topics of using an open-source typesetting tool LaTeX. The lecture started with the topic of the basic introduction of the software and its installation and ended with the basic syntax for the article writing. The minor topics included were the use of common commands like changing the normal text to bold, italic, typewriter-style, etc.

The lecture was attended by a total of 20 faculty members and shared a good response in the form of physical interaction and feedback taken at the end of the workshop.

### Day-2

On the second day (05 July 2022), a talk and hands-on was delivered by **Dr. Gaurav Kataria, Assistant Professor, Department of Chemical Engineering**, Manipal University Jaipur and **Dr. Amit Kumar Bairwa**, Department of CSE, Manipal University Jaipur on the LaTeX software. on the LaTeX software.

The lecture covered the broad topics of writing a report and an article in an open-source typesetting tool LaTeX. The lecture started with the topic of using special characters and ended with the inclusion of references using the BibTeX format. The other topics included were the use of addition of tables, figures, etc.

The lecture was attended by a total of 21 faculty members and shared a good response in the form of physical interaction and feedback taken at the end of the workshop.

### Day-3

On the third day (06 July 2022), a talk and hands-on was delivered by **Prof. D. P. Sharma**, Professor, Department of Information Technology, MUJ on the OneNote software.

The lecture covered the broad topics of using a highly efficient online teaching tool OneNote. The major topic covered in the talk was the use of workspace in OneNote which can be accessed and edited by students or by the other teacher only. The other topics included writing styles, text to speech, assigning assignments and homework, etc.

The lecture was attended by a total of 20 faculty members and shared a good response in the form of physical interaction and feedback taken at the end of the workshop.

D.P. Sharma

**Photographs:**



Fig. 1 Participants on Day-1



Fig. 2 Participants with Resource Person Dr. Amit Kumar Bairwa on Day-1

*B. Sharma*

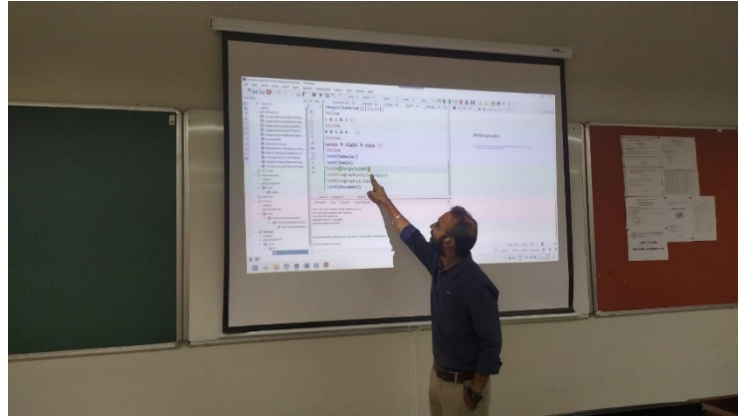


Fig. 3 Lecture on *LaTeX* delivered by Dr. Gaurav Kataria on Day-2



Fig. 4 Participants with Resource Person Dr. Amit Kumar Bairwa on Day-2

Dr. Shalini



Fig. 5 Lecture on *OneNote* delivered by Prof. D. P. Sharma on Day-3



Fig. 6 Participants on Day-3

D. P. Sharma



## Schedule of the Event:

<b>Pedagogy Workshop on "Effective Teaching-Learning Environment using ICT Tools"</b>			
Session	Topic	Resource	Date/Time
I	open-source typesetting tool LaTeX	Dr. Amit Kumar Bairwa Department of Computer Science and Engineering, Manipal University Jaipur	04 <sup>th</sup> July 2022 10:00AM- 12:00PM
II	open-source typesetting tool LaTeX	Dr. Gaurav Kataria Department of Chemical Engineering, Manipal University Jaipur	05 <sup>th</sup> July 2022 10:00AM- 12:00PM
III	OneNote software	Prof. D.P. Sharma Professor Department of Information Technology Manipal University Jaipur	06 <sup>th</sup> July 2022 10:00AM- 12:00PM

## Attendance of the Event

### Attendance List

#### Pedagogy Workshop on "Effective Teaching-Learning Environment using ICT Tools" 04-06 July 2022

S.No.	Emplid	Full Name	Department	04-07-2022	05-07-2022	06-07-2022
1	MUJ1177	Dr. Saurabh Srivastava	Chemistry		P	P
2	MUJ1203	Mr. Sudhir Sharma	Information Technology	P	P	P
3	MUJ1209	Dr. Amrita Biswas	Chemistry	P	P	P
4	MUJ1231	Ms. Nisha Nelson	Architecture	P	P	P
5	MUJ1232	Mrs. Kinzalk Singh Chauhan	Architecture	P	P	P
6	MUJ1234	Dr. Neelam Chaplot	Computer Science and Engineering	P	P	P
7	MUJ1235	Dr. Veenus Gehlot	Business Administration	P	P	P
8	MUJ1237	Dr. Bindiya Rawat	Arts	P	P	P
9	MUJ1242	Ms. Deeksha Ahuja	Business Administration	P	P	
10	MUJ1244	Ms. Ketaki Sunil Darp	Interior Design	P	P	P
11	MUJ1252	Dr. Manmohan Sharma	Computer Science and Engineering	P		
12	MUJ1254	Dr. Rajnish Kumar Gupta	Psychology	P	P	P
13	MUJ1352	Ms. Ashima Jain	Law	P		P
14	MUJ1354	Dr. Aditi Chaturvidi	Mathematics and Statistics	P	P	P
15	MUJ1362	Dr. Rekha Chaturvedi	Information Technology	P	P	P
16	MUJ1365	Dr. Swati Jain	Commerce	P	P	P
17	MUJ1366	Dr. Nilmani Tripathi	Business Administration	P	P	P

20	MUJ1382	Dr. Sheetal Punia	Physics	P	P	P
21	MUJ1384	Dr. Gaindi Lal Saini	Computers and Communication Engineering	P	P	P
22	MUJ1394	GIRISH SHARMA	Computer Science and Engineering	P	P	P
23	MUJ1397	Dr. SANDEEP KUMAR SHARMA	Computers and Communication Engineering		P	P

Dr. Sheetal

**Link of the event on the MUJ website:**

<https://jaipur.manipal.edu/muj/academics/teacher-empowerment-centre.html>

## Feedback of the Event:

### Feedback Form

#### Pedagogy Workshop on "Effective Teaching-Learning Environment using ICT Tools" 04-06 July 2022

#### Feedback for Pedagogy Workshop (July 04-06,2022)

23  
Responses

03:27  
Average time to complete

Active  
Status

1. Whether the session will be useful/applicable in your work?

● Definitely	14
● Mostly	7
● Somehow	2
● Not at All	0



2. Whether the content of this session met your expectations?

● Yes	21
● No	0
● Somehow	2



3. The time and mode was

Comfortable	20
Uncomfortable	3



4. Which topics or aspects of this session did you find useful and relevant?

LaTeX	2
OneNote	3
Both	18
None	0



5. Rate the facilitator for **OneNote**, based on Knowledge of content on a scale of points 1 to 3 scale (1 = Poor knowledge, 2 = Moderate knowledge, 3= Extensive knowledge)

1	0
2	5
3	18



6. Rate the facilitator for **Latex**, based on Knowledge of content on a scale of points 1 to 3 scale (1 = Poor knowledge, 2 = Moderate knowledge, 3= Extensive knowledge)



7. Rate the FDP facilitator for **OneNote** based on Well-preparedness on a scale of points 1 to 3 scale (1 = Poor preparedness, 2 = Moderate preparedness, 3= Extensive preparedness)



8. Rate the FDP facilitator for **Latex** based on Well-preparedness on a scale of points 1 to 3 scale (1 = Poor preparedness, 2 = Moderate preparedness, 3= Extensive preparedness)



9. Rate the FDP facilitator for **OneNote** based on Responsive to participants' questions on a scale of points 1 to 3 scale (1 = Poor, 2 = Moderate, 3 = Good)

● 1	0
● 2	4
● 3	19



10. Rate the FDP facilitator for **Latex** based on Responsive to participants' questions on a scale of points 1 to 3 scale (1 = Poor, 2 = Moderate, 3 = Good)

● 1	0
● 2	2
● 3	21



11. Would you recommend this to someone else?

● Yes	23
● No	0



12. What is your overall assessment of this session?

● Poor	0
● Fair	0
● Good	15
● Excellent	8



13. Comments and suggestions (including activities or initiatives for the future)

10  
Responses

Latest Responses

*"An advanced session for the same would be appreciated."*

*"Nice FDP"*

3 respondents (30%) answered **session** for this question.

