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MANIPAL UNIVERSITY JAIPUR TEACHER EMPOWERMENT CENTRE (MUJ-TEC)

A report on

A Pedagogy Workshop

on

Effective Teaching-Learning Environment using ICT Tools

19-21 December 2022

Dr. Shalini

Introduction of the Event

Greetings and welcome to the Pedagogy Workshop focusing on the "Effective Teaching-Learning Environment using ICT Tools". Workshop aim is to help educators gain the necessary knowledge and skills to create an exciting and interactive learning experience with the help of Information and Communication Technology (ICT) tools.

In today's world, it's essential for educators to stay updated with the latest trends and technology to provide the best learning experience for students. ICT tools offer numerous benefits, including enhanced interactivity, accessibility, and engagement, making their usage increasingly important in classrooms.

This workshop will delve into the different ICT tools available to educators and how to integrate them into teaching strategies for an effective teaching-learning environment. Participants will learn how to utilize tools like digital whiteboards, online collaboration platforms, multimedia resources, and educational software to elevate their teaching practices and engage their students.

Our experienced educators and ICT experts will lead the workshop, providing practical, hands-on experience and guidance on how to incorporate technology in a meaningful and effective manner. Whether you're an experienced educator looking to enhance your skills or a new teacher eager to learn more about ICT tools, this workshop is an excellent opportunity to improve your pedagogical approach and help your students thrive in the digital age.

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.
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. Anand

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 **19-21 Dec 2022** from **10:00-12:00 PM** at **2AB-015**. The workshop was coordinated by **Dr. Sakshi Shringi and Dr. Varun Tiwari, Assistant Professor, Department of Computer Science & 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 (19 December 2022), a talk and hands-on was delivered by **Dr. Varun Tiwari and Dr. Sakshi Shringi**, Assistant Professor, Department of Computer Science and Engineering, School of Computing and Engineering, Faculty of Engineering, 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 19 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 (20 December 2022), a talk and hands-on was delivered by **Dr. Varun Tiwari and Dr. Sakshi Shringi**, Assistant Professor, Department of Computer Science and Engineering, School of Computing and Engineering, Faculty of Engineering, Manipal University Jaipur 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 19 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 (21 December 2022), a talk and hands-on was delivered by **Prof. D. P. Sharma**, Professor, Department of Information Technology, School of Computing and IT, Faculty of Engineering, Manipal University Jaipur 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



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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 19 faculty members and shared a good response in the form of physical interaction and feedback taken at the end of the workshop.

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D. Sharma

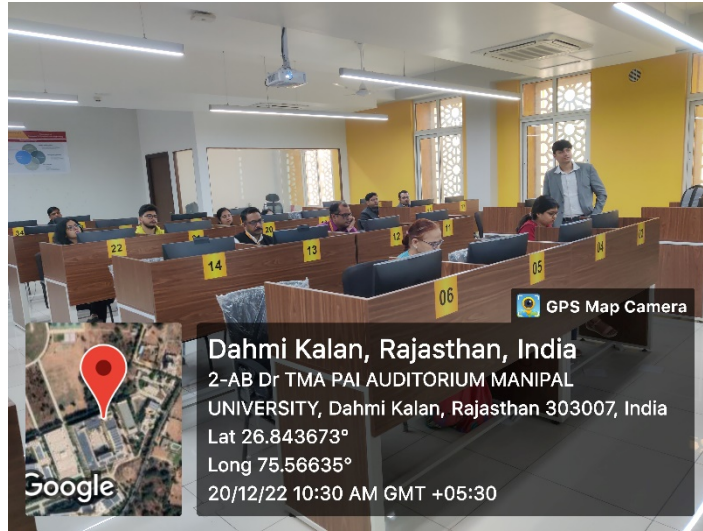
Photographs:



Fig. 1_ Group photo with the participants and speakers



Fig. 2 Lecture on *LaTeX* delivered by Dr. Varun Tiwary and Ms. Sakshi Shringi on Day-1



Dr. Shalini

Fig. 3 Participants on Day-2

Schedule of the Event:

Pedagogy Workshop on "Effective Teaching-Learning Environment using ICT Tools"			
Session	Topic	Resource	Date/Time
I	open-source typesetting tool LaTeX	Dr. Varun Tiwari and Dr. Sakshi Shringi Department of Computer Science and Engineering, Manipal University Jaipur	19th Dec 2022 10:00AM- 12:00PM
II	open-source typesetting tool LaTeX	Dr. Varun Tiwari and Dr. Sakshi Shringi, Department of Computer Science and Engineering, Manipal University Jaipur	20th Dec 2022 10:00AM- 12:00PM
III	OneNote software	Prof. D.P. Sharma Professor Department of Information Technology Manipal University Jaipur	21th Dec 2022 10:00AM- 12:00PM

Attendance of the Event

Attendance List

Pedagogy Workshop on "Effective Teaching-Learning Environment using ICT Tools" 19-21 December 2022

S.No.	Emplid	Full Name	Department	19-Dec-22	20-Dec-22	21-Dec-22
1	MUJ1389	Dr. Ganpat Singh Chauhan	Information Technology	P	P	P
2	MUJ1392	Ms. Rochak Swami	Computer Science and Engineering	P	P	P
3	MUJ1405	Dr. Praveen Kumar Shukla	Computers and Communication Engineering	P	P	P
4	MUJ1417	Dr. Yadvendra Pratap Singh	Computer Science and Engineering	P	P	P
5	MUJ1419	Mr. Ajay Kumar	Computer Science and Engineering			
6	MUJ1421	Mr. Shishir Singh Chauhan	Computer Science and Engineering	P	P	P
7	MUJ1428	Dr. Veena Khandelwal	Information Technology	P	P	P
8	MUJ1430	Mr. Sunil Kumar Patel	Computer Science and Engineering	P	P	P

10	MUJ1376	Dr. Sakshi Shringi	Computer Science and Engineering	P	P	P
11	MUJ1440	Dr. Swati Sharma	Commerce	P	P	P
12	MUJ1446	Mr. Anubhav Shivhare	Computers and Communication Engineering	P	P	P
13	MUJ1447	Mrs. Babita Tiwari	Computer Science and Engineering	P	P	P
14	MUJ1449	Ms. Vibha Jain	Computer Science and Engineering	P	P	P
15	MUJ1246	Dr. Varun Tiwari	Computer Science and Engineering	P	P	P
16	MUJ1367	Dr. Amit Kumar Gupta	Computer Science and Engineering	P	P	P
17	MUJ1169	Dr. Vijay Shankar Sharma	Computers and Communication Engineering	P	P	P
18	MUJ1065	Dr. Sourabh Singh Verma	Computers and Communication Engineering	P	P	P
19	MUJ0744	Dr. Rishi Gupta	Computer Science and Engineering	P	P	P

D. Sharma

Link of the event on the MUJ website:

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

Feedback of the Event:

**Pedagogy Workshop on "Effective Teaching-Learning Environment using ICT Tools"
28-30 June 2022**

20

Responses

02:00

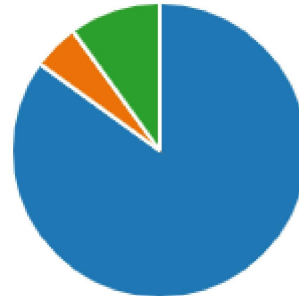
Average time to complete

Active

Status

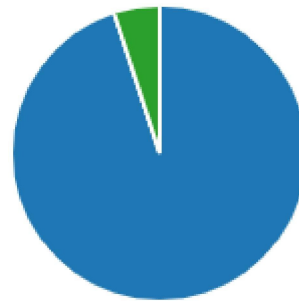
1. Whether the session will be useful/applicable in your work?

● Definitely	17
● Mostly	1
● Somehow	2
● Not at All	0

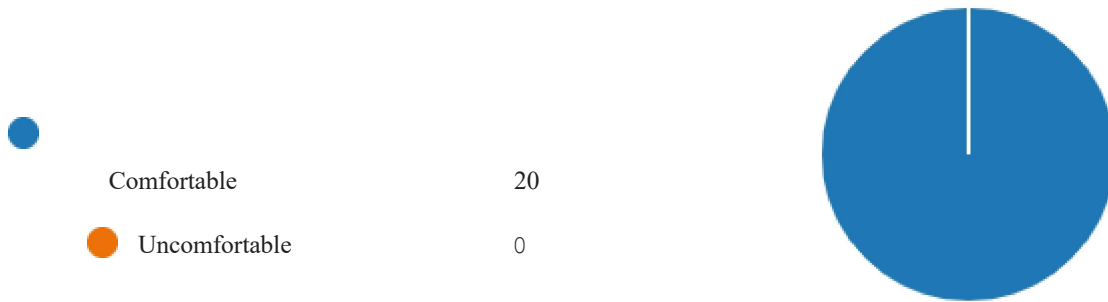


2. Whether the content of this session met your expectations?

● Yes	19
● No	0
● Somehow	1



3. The time and mode was

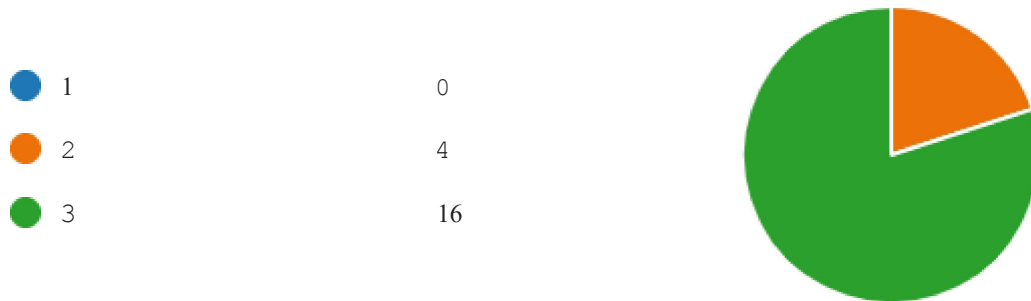


4. Which topics or aspects of this session did you find not useful and irrelevant?

20
Responses

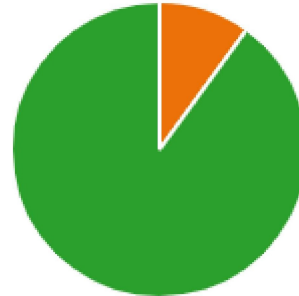
Latest Responses
"None"
"NONE"
"Both Latex and OneNote"

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)



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)

● 1	0
● 2	2
● 3	18



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)

● 1	0
● 2	3
● 3	17



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)

● 1	0
● 2	3
● 3	17



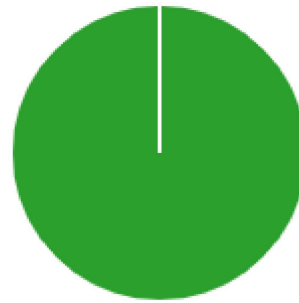
9. Rate the FDP facilitator for OneNote based on Responsive to participants' questions on a scale of points 1 to 3 scale (1 = Poor, 2 = Moderate, 3 = Good)

● 1	0
● 2	3
● 3	17



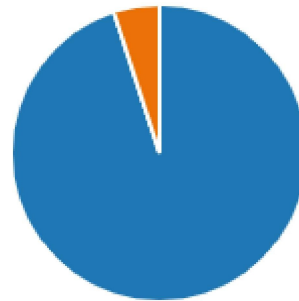
10. Rate the FDP facilitator for Latex based on Responsive to participants' questions on a scale of points 1 to 3 scale (1 = Poor, 2 = Moderate, 3 = Good)

● 1	0
● 2	0
● 3	20



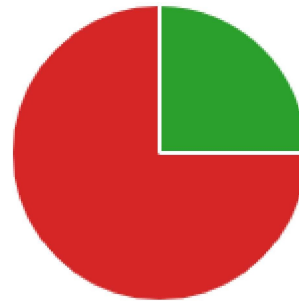
11. Would you recommend this to someone else?

● Yes	19
● No	1



12. What is your overall assessment of this session?

● Poor	0
● Fair	0
● Good	5
● Excellent	15



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

10

Responses

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

active participation workshops interacti'
Looking forward latex Sakshi aura*
advanced session sessi<oiGNone Kataria
Assignments PPT Dr instructor Thanks for the sess
participants

Dr. Shalini

