

A
Report

On

In-house Workshop
On
“Student-Centric, Innovative and Effective
Teaching Learning Practices to Enhance
Learning Outcomes”

AT DEPARTMENT LEVEL



Internal Quality Assurance Cell



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

Race Course Road, Gola Ka Mandir, Gwalior, M.P. 474005

Website: www.mitsgwalior.in

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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In-house Workshops on ““Student-centric, innovative, and effective teaching learning practices to enhance learning outcomes” were conducted by the departments during September 2021. Each department has separate issues and challenges in conducting on-line classes; the following issues were brainstormed, discussed and resolved in the workshop through sharing of experiences:

- (1) How to make more students to attend classes (attendance improvement)?
- (2) How to make classes more effective & interesting (way of teaching/language/communication etc.; delivery to be neither fully in English nor fully in Hindi, but a mixture of both, looking at the background of some of our students)
- (3) Time management in class (students spend their data; they must get some useful information within short time)
- (4) Possibility of engaging students (participative learning, through interesting questions/discussion about projects/assignments etc.)
- (5) How to enhance student learning outcomes (different measures to be developed for theoretical, mathematical, concept-based courses etc.)
- (6) Improving Delivery (to be through pen-tablet or PPT with laser pointer/colored pen/highlighter. If using PPT, flowcharts, pictures, colourful eye-catching illustrations can be used to attract student attention, etc.)
- (7) Assuring student attentively through quizzes/assignments aligned with class notes/recorded links
- (8) Challenges of digital teaching during pandemic times (As attendance cannot be compulsory, but appearing for additional classes, quiz, assignments is mandatory)
- (9) Importance of 'additional classes' in digital session (These classes must be conducted to chat with the students about their general problems, guidance needed, doubt clearing, career counselling etc. These are also compulsory for those students who are able to attend classes very regularly due to data or other issues. No new matter is to be taught during these sessions)
- (10) Feedback/suggestions from some students can also be taken regarding this if possible
- (11) Other department specific/department-identified issues

The following were the outcomes:

- Faculty members shared teaching practices and benefitted from each other’s experience.
- Meaningful and effective mini projects should be given to students focussing on ‘learning’
- Emphasis on practical examples and interactive/participative discussion, debate, seminar to be promoted
- Focus on ‘content delivery’ to be reduced, ‘making them do’ approach
- Videos, eye catching illustrations, flowcharts, to be used as much as possible
- Students want the classes to be conducted in offline mode as its getting difficult for them to sit for such long hours in front of their laptops.
- Classes can either be arranged alternatively or maybe they are called for a weekly discussion for practical subjects.
- Fluctuation in network connection sometimes creates issues in the conduction of the classes.
- Reduction in the screen hours/providing gaps between prolonged lectures/Practical.
- Architectural Competitions must be promoted amongst students
- Design classes to provide them necessary exposure and enthusiasm.

- Frequency of Expert Lectures through industry experts should be increased for students' industry exposure which is missing due to online classes in pandemic.
- In continuous assessment part, some weightage of attendance must be given.
- A certain minimum attendance criterion can be kept for appearing in mid-semester evaluations
- For online classes 45-10-05 model can be followed (45-minute session, followed by quiz and then break)
- Performance in assignment and quiz must be discussed in class

Summary of In-House Workshop at each Department

S.No.	Department	Date(s)	Faculty participants
1	Civil Engineering	15.09.2021	20
2	Mechanical Engineering	15.07.2021, 23.07.2021 & 13.08.2021	88 (35+18+35)
3	Electrical Engineering	06,10,13 &17.09.2021	69 (23+23+23)
4	Electronics Engineering	15.09.2021	18
5	Computer Science and Engineering	10.09.2021	20
6	Information Technology	15.09.2021	13
7	Chemical Engineering	15.09.2021	08
8	Engineering Mathematics & Computing	20.09.2021	07
9	Humanities Department	27.09.2021	04
10	Architecture	08.09.2021	10

MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR

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CIVIL ENGINEERING DEPARTMENT

Date: 20/09/2021

Report of In-House Workshop on "Student-centric, innovative and effective teaching learning practices to enhance learning outcomes"

An In-House workshop on "Student-centric, innovative and effective teaching learning practices to enhance learning outcomes" was held for all the faculty members of the department on Wednesday, 15.09.2021 at 4:00 PM in Seminar hall - I. The attendance records of this workshop is attached with report.

Objective of this workshop were:

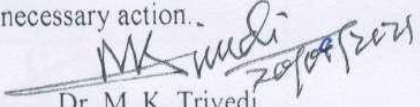
1. Improvement in class attendance
2. Making classes more effective
3. Enhancement of student learning outcomes
4. Possible challenges in digital teaching learning during the covid times

Deliberations were made with the faculty members on various points keeping the objective of this workshop in mind.

Following are the deliberated outcomes from this workshop:

1. For improvement in class attendance, in upcoming Mid Sem – I exams a certain minimum attendance criteria must be followed uniformly across the institute.
2. For making classes more effective it is required to show some videos regarding the topics which are being discussed in class for better understanding of the topics
3. In courses which are more analytical in nature, during online session more numerical problems should be solved and provide more numerical for practice.
4. Discussion on performance of quiz test and assignments should be done in class with special highlight on top performers so that competitive environment can be created.
5. Reducing the lecture time to 45 minutes in a session. After the lecture, discussion / a short quiz should be held for 10 minutes and then 05 minutes break can be given for next session to start.
6. It is required to generate the awareness of importance of additional class among the students
7. In pen paper mode of exam, 3 different sets of question paper must be given randomly to the students to solve, in this regards exam section needs to develop a mechanism for smooth process.
8. In Continuous assessment of the course, some specific percentage of marks should be kept for attendance.

Submitted the report to Dean Academics for Information and necessary action.


Dr. M. K. Trivedi
Professor & Head
Civil Engg Deptt

Enclosure:

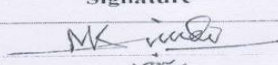
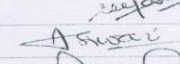
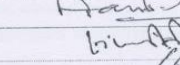
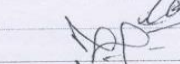
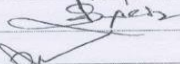
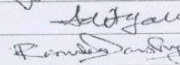
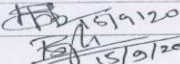
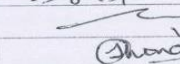
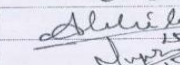
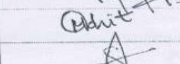
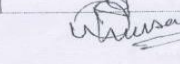








1. Attendance of the workshop

CIVIL ENGINEERING DEPARTMENT

In-House Workshop on "Student-centric, innovative, and effective teaching learning practices to enhance learning outcomes"

Dated: 15.09.2021

Attendance

S. No.	Name of Faculty	Signature
1	Dr. M. K. Trivedi	
2	Dr. S. K. Jain	
3	Prof. Archana Tiwari	
4	Dr. R. Kansal	
5	Dr. S. Tiwari	
6	Prof. D. Rastogi	
7	Prof. A. K. Dwivedi	
8	Prof. A. K. Saxena	
9	Prof. G. Bhadoriya	
10	Prof. Aditya K Agarwal	
11	Prof. Renuka Darshyamkar	
12	Dr. Hemant Shrivastava	
13	Dr. Prachi Singh	
14	Dr. Chayan Gupta	
15	Dr. Jayvant Choudhary	
16	Dr. Abhilash Shukla	
17	Prof. Nupur Verma	
18	Prof. Mohit Aggarwal	
19	Prof. Shashank Sharma	

20

Majid Hussain

Majid Hussain

Report

The Department of Mechanical Engineering, MITS Gwalior, has conducted three activities under the umbrella of “In- house workshop on Teaching - Learning Process”. Different faculty members of the department covered different aspects of teaching and learning which play pivotal roles in defining Teaching-Learning Processes. Details of the activities are as follows:

S/ No	Name of the activity	Name of the resource person	Date of the event	Mode of delivery	Duration
1	Workshop on CO- PO Analysis and Mapping	Mr. Ajay Singh Rajput	15/07/2021	OFFLINE	1 hour
2	Lecture on "How to write a project for different funding agencies"	Dr. C.S. Malvi	23/07/2021	ONLINE (Google Meet)	1 hour
3	Lecture on “Student Centric Teaching Learning Process”.	Mr. Vedansh Chaturvedi	13/08/2021	OFFLINE	1 hour

Objectives and Outcomes of the each activity is as follows:

A) Workshop on CO- PO Analysis and Mapping:

Objectives: The objectives of the workshop are to:

1. Understand the importance of COs, POs and PSOs in OBE
2. Learn the CO and PO mapping calculation for analysis.
3. Interpret the result of CO and PO mapping.

Outcomes: The outcomes of the workshop are:

1. Attendees understood the importance of OBE in teaching and learning process.
2. Attendees learnt the steps of calculation of Mapping
3. Each faculty member present were given the task to complete the CO-PO mapping of the subject allotted to them in the last semester, for practice purpose.



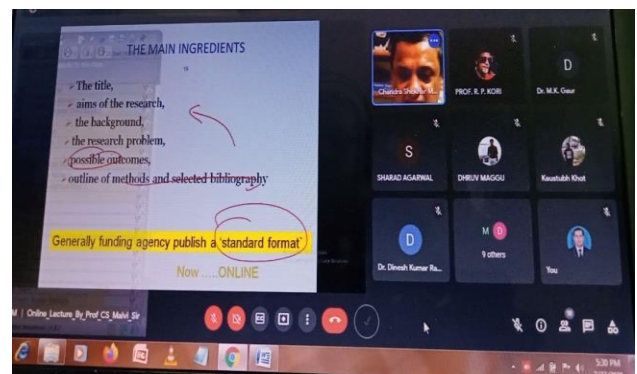
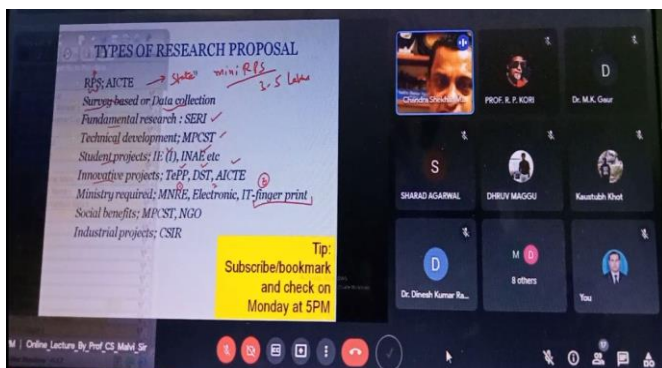
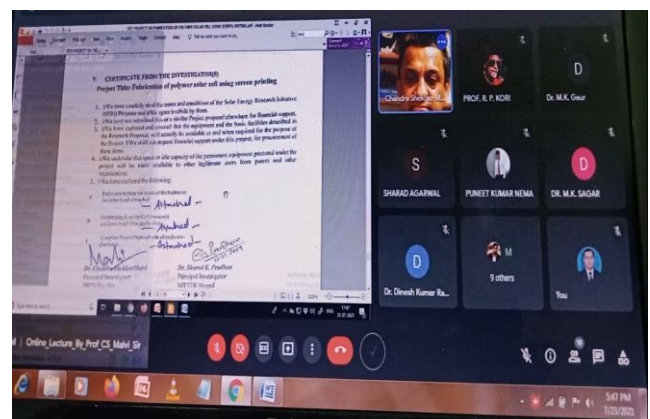
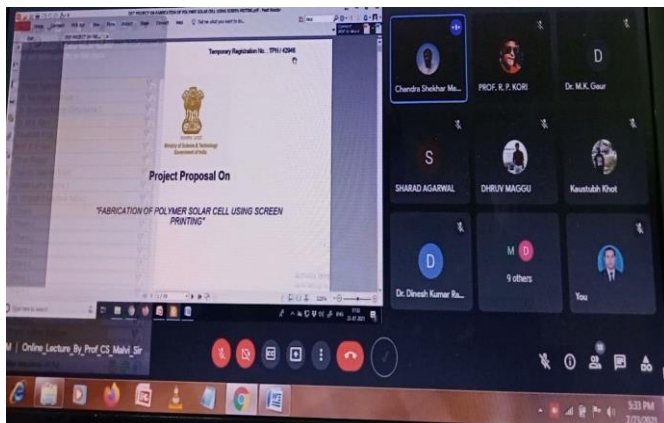
B) How to write a project for different funding agencies:

Objectives: The objectives of the workshop are to:

1. To understand the importance of technical writing in project proposal writing.
2. To learn the proper way of technical writing.
3. To know about various funding agencies, schemes and opportunities.

Outcomes: The outcomes of the workshop are

1. Attendees learnt the steps of writing the project proposal.
2. Various schemes of DST, eligibility of the applicants and the support available in particular scheme were discussed.



3. CRG, SRG, TARE, SUPRA, IRHPA schemes of SERB were discussed.
4. Various funding schemes of AICTE available for individual research and infrastructural development were presented.
5. Dr. Malvi has also shown some of his project proposals during the presentation to the faculty members.

C) Student Centric Teaching Learning Process:

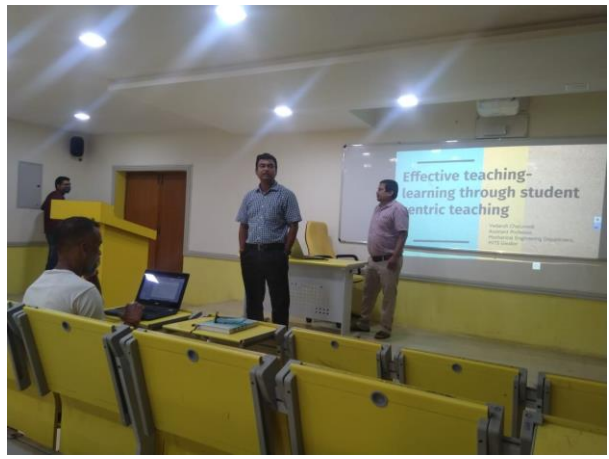
Objectives: The objectives of the workshop are to:

1. Understand the need and importance of student centric way of teaching.
2. Importance of class controlling and proper way of dealing with students.
3. Learn the the method of observation and analysis of effective teaching and learning.

Outcomes: The outcomes of the workshop are:

1. Dr. M K Gaur started the lecture with the introduction of student centric approach and its importance.
2. He also discussed the topics such as class controlling, evaluation process and the correct way to address and resolve the class/ lecture related issues of students.
3. Mr. Vedansh Chaturvedi then addressed the current scenario of total national intake in engineering institutes, total no. of graduates and total placements annually.
4. He also addressed the need and importance of student centric way of teaching.
5. He differentiated between the conventional way of teaching and student centric way of teaching.
6. He explained the approach and outcomes of student centric teaching learning process.
7. He threw light on the role of a teacher in making of student's life better.
8. He also explained the method of observation and analysis of effective teaching and learning.
9. At the end he shared his personal experiences while practising the student centric teaching learning process.



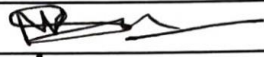

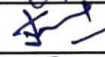

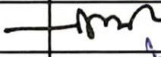
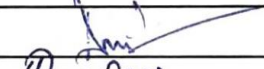
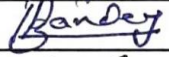

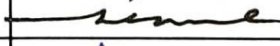

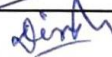
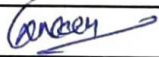


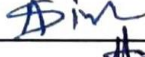
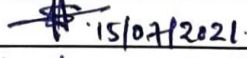
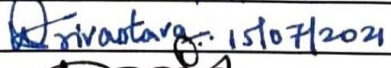
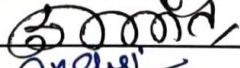

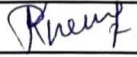
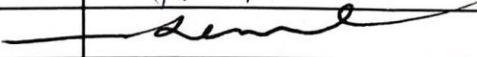


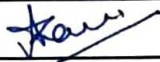



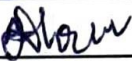
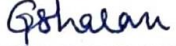

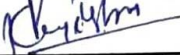
Half-Day Training Program on OBE

Department of Mechanical Engineering



Meeting Attendance

Date: 15/07/2021

S. No.	Name of Faculty	Sign
1	Dr. Pratesh Jayaswal	
2	Dr. Chandra Shekhar Malvi	1
3	Dr. Manish Kumar Sagar	
4	Dr. Manoj Kumar Gaur	1
5	Prof. R P Kori	ANS
6	Prof. Vedansh Chaturvedi	
7	Dr. Jyoti Vimal	
8	Prof. Sharad Agrawal	
9	Prof. Vaibhav Shivhare	
10	Dr. Amit Aherwar	
11	Prof. Bhupendra Pandey	
12	Dr. Nitin Upadhyay	
13	Dr. Surendra Kumar Chourasiya	
14	Prof. Harbhajan Singh	
15	Dr. Dinesh Rathore	
16	Dr. Gavendra Norkey	
17	Dr. Dharmendra Jain	
18	Prof. K.K. Yadav	
19	Prof. Ajay Singh Rajput	
20	Prof. Subash Chand Pal	
21	Prof. Utkarsh Srivastava	
22	Prof. Sumit Kumar Singh	
23	Prof. Shubham Srivastava	
24	Dr. Amrat Kumar Dhamneya	
25	Prof. Puneet Kumar Nema	
26	Prof. Kaustubh Khot	
27	Prof. Sarvesh Kumar Yadav	CL

28	Dr. Ravi Kant Ranjan	
29	Prof. Vaibhav Gupta	
30	Prof. Narendra Singh Sikarwar	
31	Prof. Vikas Yadav	
32	Prof. Dhruv Maggu	
33	Prof. Gyanesh Sharan	
34	Prof. Sayed Faiz Ahmad	
35	Prof. Neeraj Mishra	

36 PRAVEEN GUPTA
37 SANJAY TIWARI

Attendance of the workshop "How to write a project for different funding agencies"

The following faculty members were present in the lecture delivered by Professor Chandra Shekhar Malvi. Since it was conducted in ONLINE mode, is not available.

1. Dr. M.K. Gaur, Professor and Head
2. Dr. M. K. Sagar, Professor
3. Mr. R. P. Kori
4. Dr. Gavendra Norkey
5. Dr. Dinesh Kumar Rathore
6. Dr. Harbhajan Ahirwar
7. Mr. Sharad Agrawal
8. Dr. Surendra K Chaurasia
9. Prof. Kaustubh Khot
10. Prof. Dhruv Maggu
11. Prof. Puneet Kumar Nema
12. Prof. Utkarsh Shrivastava
13. Mr. Shubam Shrivastava
14. Mr. Narendra Singh
15. Dr. Jyoti Vimal
16. Prof. Gynesh Saran
17. Prof. Vikas Yadav
18. Prof. Ajay Rajput

*Effective - Teaching Learning through
Student Centric Teaching*
Department of Mechanical Engineering

Expert Talk Attendance

Date: 13/08/2021

S. No.	Name of Faculty	Sign
1	Dr. Pratesh Jayaswal	
2	Dr. Chandra Shekhar Malvi	<i>Malvi</i>
3	Dr. Manish Kumar Sagar	<i>Manish Kumar Sagar</i> 13/8/2021
4	Dr. Manoj Kumar Gaur	
5	Prof. R P Kori	<i>R P Kori</i> 13:08:2021
6	Prof. Vedansh Chaturvedi	<i>Vedansh Chaturvedi</i>
7	Dr. Jyoti Vimal	<i>Jyoti Vimal</i>
8	Prof. Sharad Agrawal	<i>Sharad Agrawal</i>
9	Prof. Vaibhav Shivhare	
10	Dr. Amit Aherwar	
11	Prof. Bhupendra Pandey	<i>Bhupendra Pandey</i>
12	Dr. Nitin Upadhyay	
13	Dr. Surendra Kumar Chourasiya	<i>Surendra Kumar Chourasiya</i>
14	Prof. Harbhajan Singh	
15	Dr. Dinesh Rathore	<i>Dinesh Rathore</i>
16	Dr. Gavendra Norkey	
17	Dr. Dharmendra Jain	<i>Dharmendra Jain</i>
18	Prof. K.K.Yadav	<i>K.K.Yadav</i>
19	Prof. Ajay Singh Rajput	<i>Ajay Singh Rajput</i>
20	Prof. Subash Chand Pal	<i>Subash Chand Pal</i>
21	Prof. Utkarsh Srivastava	<i>Utkarsh Srivastava</i> 13/08/2021
22	Prof. Sumit Kumar Singh	
23	Prof. Shubham Srivastava	<i>Shubham Srivastava</i> 13/8/21
24	Dr. Amrat Kumar Dhamneya	
25	Prof. Puneet Kumar Nema	<i>Puneet Kumar Nema</i> 13/8/21
26	Prof. Kaustubh Khot	<i>Kaustubh Khot</i> 13/08/2021
27	Prof. Sarvesh Kumar Yadav	<i>Sarvesh Kumar Yadav</i> 13/08/2021

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

ELECTRICAL ENGINEERING DEPARTMENT

20.09.2021

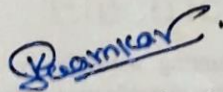
Ref.- Dean academics mail, dated 25 August 2021

Report On

Workshop on

"Student-centric, innovative, and effective teaching learning practices to enhance learning outcomes"

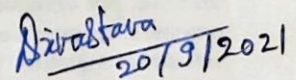
06, 10, 13 & 17 September 2021



(Prof. Kuldeep Swarnkar)
Coordinator



(Dr. Vikram)
Coordinator


20/9/2021

(Dr. Laxmi Srivastava)
Prof. & Head, EED

Report On

**Workshop on
"Student-centric, innovative, and effective
teaching learning practices to enhance learning
outcomes"**

06, 10, 13 & 17 September 2021

Organized by

Electrical Engineering Department



Madhav Institute of Technology and Science, Gwalior, MP.
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute, Affiliated to R.G.P.V. Bhopal)

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE GWALIOR
(A Govt. Aided UGC Autonomous NAAC Accredited Institute Affiliated to RGPV, Bhopal)
Electrical Engineering Department

Workshop titled "Student-centric, innovative, and effective teaching learning practices to enhance learning outcomes" was held in parts on 6th, 13th September 2021 in offline mode and 10th and 17th September 2021 in online mode in the electrical Engineering Department, MITS Gwalior.

Objectives: - This workshop aims to discuss the various issues related to student's participation in online teaching learning, tools and resources provided to the students, enhancing student learning outcomes, mode of delivery for teaching, challenges of learning in digital world during pandemic times, and to come up with solutions as an outcome of the discussions.

The following points have been discussed in the brainstorm sessions over two weeks.

1. How to make more students to attend classes.
2. How to make classes more effective & interesting
3. Time management in class
4. Possibility of engaging students
5. How to enhance student learning outcomes
6. Improving Delivery
7. Assuring student attentiveness.
8. Challenges of digital teaching during pandemic times
9. Importance of 'additional classes' in digital session
10. Other department specific/department-identified issues.

Schedule: -

1. On 6th and 13th September 2021, the discussions were held in the head of department among faculty members.
Time: - 03:00 – 05:30 pm
2. On 10th and 17th September 2021, the discussions were held in the online mode
10th September – 05:00 – 06:00 pm
17th September – 02:30 – 03:50 pm

Outcomes of the workshop: -

1. How to make more students to attend classes
 - a. Tell students about the importance of contents to be delivered in the next scheduled class.
 - b. Express the key reasons students should take your class.
 - c. Talk to the students about the issues in the classes
 - d. Time-table flexibility for 3rd and 4th year students.
2. How to make classes more effective & interesting (way of teaching/ language/ communication etc)
 - a. Delivery of Content to be neither fully in English nor fully in Hindi, but a mixture of both

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Electrical Engineering Department

- b. *The teacher's camera must be on during the lecture.*
 - c. *Relate Class Content to Their Lives*
 - d. *Relating and demonstrating through real-life situations will make the material easy to understand and easy to learn.*
 - e. *Make time for brainstorming sessions in the lectures.*
 - f. *Storyboarding is a great way to teach any subject which requires step-by-step memorization or visualization of highly-conceptual ideas.*
3. *Time management in class (students spend their data, they must get some useful information within short time)*
- a. *Practically 40-45 min content delivery in class is sufficient.*
 - b. *A gap of 5-10 min should be there in between two class timings.*
 - c. *Assignments that simply ask students to complete a set number of problems for practice unnecessarily consume valuable class time.*
4. *Possibility of engaging students (participative learning, through interesting questions/discussion about projects/assignments etc)*
- a. *At least one assignment should be given in two weeks.*
 - b. *A quiz must be conducted in a week.*
 - c. *Additional tasks in the form of special numerical, application of contents in the real environment etc.*
 - d. *meaningful and mini projects should be given to students related to the contents of the subject.*
5. *How to enhance student learning outcomes (different measures to be developed for theoretical, mathematical, concept-based courses etc)*
- a. *Practical examples for the relevance of the topics covered.*
 - b. *Relevant clippings in the form of short and meaningful videos related to the topic should be provided to the students.*
 - c. *include the learning activities such as seminars, debates, extempore, role play, group discussions etc. in the classroom.*
 - d. *provide feedback for every student individually on their understanding of the concept.*
 - e. *The content of the lecture should contain information, knowledge and skills for effective learning opportunities.*
6. *Improving delivery*
- a. *To be through pen-tablet or PPT with laser pointer/coloured pen/highlighter*
 - b. *If using PPT, flowcharts, pictures, colourful eye-catching illustrations can be used to attract student attention, etc*
 - c. *online tools (open source) should be used to improve the understanding of the concepts.*
7. *Assuring student attentiveness.*
- a. *Quizzes/assignments aligned with class notes/recorded links*
 - b. *Engage your students by segmenting lectures into shorter sequences.*

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ELECTRICAL ENGINEERING DEPARTMENT

A meeting held on 06.09.2021, at 03:00 pm sharp in the Head of the Department chamber of the Electrical Engineering Department.

S.No.	Name	Sign.	S.No.	Name	Sign.
1.	Dr. M. Pandit		13	Dr. Punjan Dohare	
2.	Dr. A.K. Wadhvani		14	Prof. Nipun Gupta	
3.	Dr. S. Wadhvani		15	Prof. Rahul Sagwal	
4.	Prof. Ashish Patra		16	Prof. Bhavna Rathore	
5.	Dr. Shishir Dixit		17	Prof. Shailendra Pratap	
6.	Prof. Rakesh Narvey		18	Prof. Saurabh Kumar	
7.	Dr. Himmat Singh		19	Prof. Shweta Kumari	
8.	Dr. Vijay Bhuria		20	Prof. Aprajita Kumari	
9.	Prof. Kuldeep Swarnkar		21	Prof. Manoj Kumar	
10	Prof. Praveen Bansal		22	Prof. Tarun Shrivastava	
11	Prof. Vishal Chaudhary		23	Dr. Hemlata Shakya	
12	Dr. Vikram				

Agenda of meeting

1	Workshop on "Student-centric, innovative, and effective teaching learning practices to enhance learning outcomes"
2	Any other matter.

6/9/2021
Dr. L. Srivastava
Prof. & Head, EED

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ELECTRICAL ENGINEERING DEPARTMENT

A meeting held on 13.09.2021, at 03:00 pm sharp in the Head of the Department chamber of the Electrical Engineering Department.

S.No.	Name	Sign.	S.No.	Name	Sign.
1.	Dr. M. Pandit	<i>M.P.</i>	13	Dr. Punjan Dohare	<i>Punjan</i>
2.	Dr. A.K. Wadhvani	<i>A.K.</i>	14	Prof. Nipun Gupta	<i>Nipun</i>
3.	Dr. S. Wadhvani	<i>S.W.</i>	15	Prof. Rahul Sagwal	<i>Rahul</i>
4.	Prof. Ashish Patra	<i>A.P.</i>	16	Prof. Bhavna Rathore	<i>Bhavna</i>
5.	Dr. Shishir Dixit	<i>S.D.</i>	17	Prof. Shailendra Pratap	<i>Sh</i>
6.	Prof. Rakesh Narvey	<i>R.N.</i>	18	Prof. Saurabh Kumar	<i>S.K.</i>
7.	Dr. Himmat Singh	<i>H.S.</i>	19	Prof. Shweta Kumari	<i>Shweta</i>
8.	Dr. Vijay Bhuria	<i>V.B.</i>	20	Prof. Aprajita Kumari	<i>Aprajita</i>
9.	Prof. Kuldeep Swarnkar	<i>K.S.</i>	21	Prof. Manoj Kumar	<i>Manoj</i>
10	Prof. Praveen Bansal	<i>Present</i>	22	Prof. Tarun Shrivastava	<i>Tarun</i>
11	Prof. Vishal Chaudhary	<i>Vishal</i> 13.9.21	23	Dr. Hemlata Shakya	<i>Hemlata</i>
12	Dr. Vikram	<i>Vikram</i>			

Agenda of meeting

1	Workshop on "Student-centric, innovative, and effective teaching learning practices to enhance learning outcomes"
2	Any other matter.

L. Srivastava
13/9/2021
Dr. L. Srivastava
Prof. & Head, EED

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Department of Electronics Engineering

Report on In-house Online Workshop

Department of Electronics, M.I.T.S., Gwalior conducted a in house online workshop on "Student-centric, innovative, and effective teaching learning practices to enhance learning outcomes" on 15 Sept. 2021 through google meet platform. All faculty members participated in this in house workshop

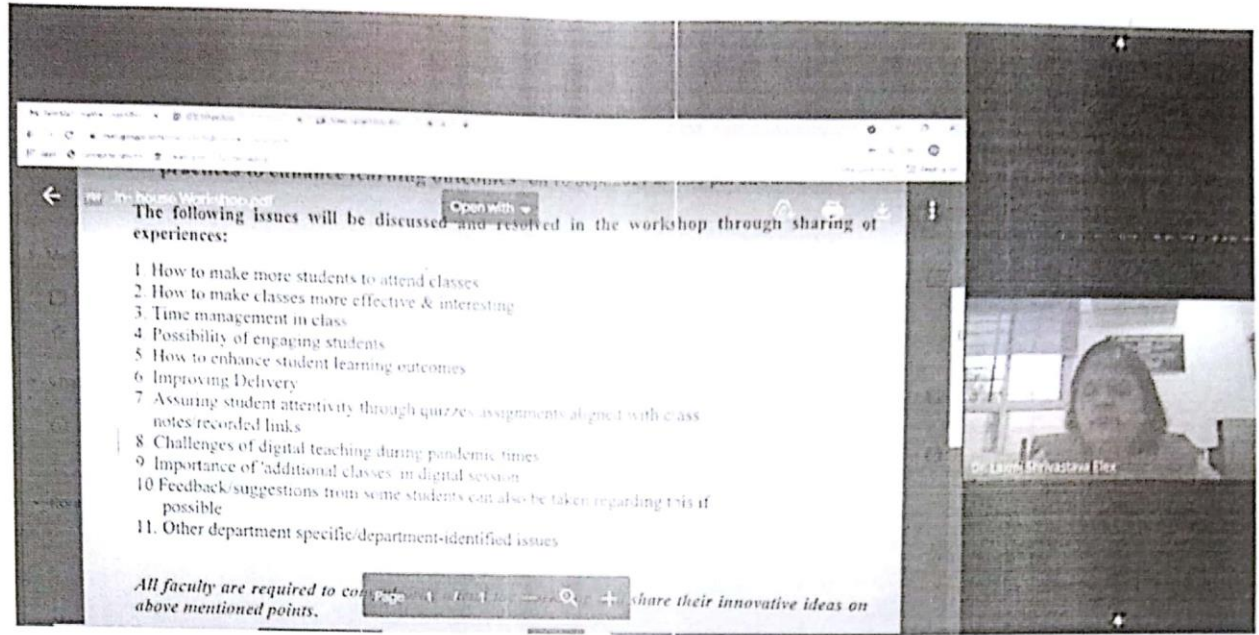
Objective of In-house workshop: The main objective of the online in house workshop was to revise the digital teaching methodologies

Outcomes of In- house workshop: The following issues were discussed and resolved in the workshop through sharing of experiences:

1. Attendance should not be self recorded .Quiz should be surprised during the class, to make more students to attend the classes
2. Simulations and videos should be displayed during the class to make classes more effective & interesting
3. For time management in class 10 minutes for revision of previous lecture ,40 minutes for lecture delivery and last 10 minutes for solving queries from students.
4. Assignments, Quizzes ,creative problems should be given to students for engaging students
5. Feedback process, previously prepared study material is used for improving the delivery to the students.
7. Weekly report of Quizzes and assignments should be displayed along with students' attendance for assuring student attentivity.
8. Face to Face Communication, sincerity of students in class, network issues are the main challenges of digital teaching during pandemic times
9. Additional classes are more beneficial for slow learners students



Jan



MS
20/09/21

Madhav Singh
Workshop Coordinator

Dr
20.09.21







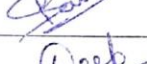
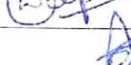
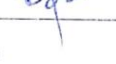
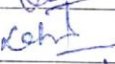
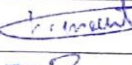

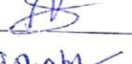
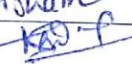
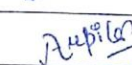



Dr. Laxmi Shrivastava
HoD

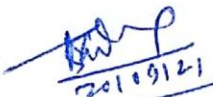
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(Department of Electronics Engineering)

Attendance Sheet

In- house workshop on " Student-centric, innovative, and effective teaching learning practices to enhance learning outcomes" on 15 Sept.2021

S.No.	Name	
1	Dr. P.K. Singhal	
2	Dr. Laxmi Shrivastava HOD	
3	Dr. Vandana Vikas Thakare	for 
4	Dr. R.P. Narwaria	
5	Dr. Karuna Markam	
6	Prof. Madhav Singh	
7	Prof. Pooja Sahoo	
8	Prof. Deep Kishore Parsediya	
9	Dr. Sandeep Sharma	
10	Dr. Vikash Mahor	
11	Dr. Rahul Dubey	
12	Dr. Hemant Choubay	
13	Prof. Deepak Batham	
14	Prof. Ashish Gupta	
15	Prof. Rishabh Shukla	
16	Prof. Santosh Sharma	for 
17	Prof. Arpita Singhal	
18	Prof Shambhu Kumar	


20/09/21
(Madhav Singh)
Workshop Coordinator


20/09/21
Dr. Laxmi Shrivastava
HoD

Date: 16/09/2021

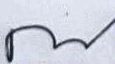

Report for an in-house Workshop
on
**“STUDENT-CENTRIC, INNOVATIVE, AND EFFECTIVE TEACHING-
LEARNING PRACTICES TO ENHANCE LEARNING OUTCOMES”**

CSE Department has organized a one-day in-house workshop entitled “Student-centric, innovative, and effective teaching-learning practices to enhance learning outcomes” on 10/09/2021 at 3:00 PM in programming Lab I. In total twenty departmental faculty members participated in the workshop. The workshop was conducted keeping in view the following objects:

- To improve student’s attendance in classes.
- To make classes more effective & interesting
- To improved time management in classes
- To discover various possibilities for engaging students in classes
- To enhance student learning outcomes
- To improved delivery of lectures
- To enhance learning through assignments/quizzes and lecture notes
- To overcomes the challenges of digital teaching during pandemic times
- To discuss the importance of 'additional classes' in digital session

Head of the department Dr. Manish Dixit initiated the workshop by highlighting the problems and issues that students are facing in these pandemic days. He encouraged the methods of departmental faculty members but insisted on further improvement for enhancing the learning of students. The workshop continued with the discussion on various viewpoints from different faculty members for the improvements of teaching and learning. After a thorough analysis of the discussion in the workshop and the suggestions received from various faculty members, the following outcomes against the workshop objectives are listed below:

1. To improve student’s attendance in classes, the following suggestions were made:
 - a. Motivational sessions on a regular basis by experts from outside/inside the institute can be arranged to motivate the students for attending the classes regularly.
 - b. The faculty can mark face-to-face attendance during the online sessions regularly or on a random basis.
 - c. Reward/recognition should be given to those students who are regularly attending the classes.
 - d. Strict minimum attendance criteria should be set for appearing in the mid-semester and end-semester exams.
2. To make classes more effective & interesting, the following suggestions were made:
 - a. Faculty can use interactive teaching techniques via animations/videos/group discussions/case-study etc.
 - b. The lecture plan should be designed in such a way that it starts from basic concepts and then lead to complex/advanced concepts.
 - c. Live quizzes can be arranged to encourage group discussions in the class.
 - d. The mode of delivery should be a mixture of Hindi and English.


Dr. Manish Dixit
Professor & HOD
Department of CSE
M.I.T.S. Gwalior 

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Department of Computer Science and Engineering

- e. Each class should have a question-answer session at the end and should recapitulate the concepts taught in the previous class.
 - f. The faculty should use the theoretical concepts to solve real-world problems wherever possible.
3. To improved time management in classes, the following suggestions were made:
- a. Faculty must distribute time according to lecture content.
 - b. Each class should have precise discussions and focus on resolving queries.
 - c. The lecture should be only 40 min, the remaining time should be for doubt and discussions.
 - d. The use of graphical content can save time as well as enhance the understanding of the concepts.
4. To discover various possibilities for engaging students in classes, the following suggestions were made:
- a. Student participation in live lectures should be increased
 - b. Competitive questions & programming assignments should be given and solved during classes.
 - c. Discussions at the end of class about the taught topic should be done.
 - d. At the end of each lecture, the faculty may take a 5-10 mins session to clear the doubts of students.
 - e. Solving assignments/quizzes/mini-projects during live classes.
5. To enhance student learning outcomes, the following suggestions were made:
- a. A periodic analysis of assignments/quizzes/mid-semester exams should be done to understand the level of student's learning capabilities.
 - b. By skill-based mini projects and case studies
 - c. To stop students from cheating, the pattern for mid-semester exams should be changed to viva. This will help faculty to clearly understand the learning capability of students.
 - d. Tell students to present a topic (that has already been taught by the faculty). The student should only present the points that he/she has learned from the lecture.
6. To improved the delivery of lectures, the following suggestions were made:
- a. Each online class should include the use of pen-tabled alongside PPTs.
 - b. PPTs should include more graphical content than theoretical content.
7. To enhance learning through assignments/quizzes and lecture notes, the following suggestions were made:
- a. The assignments should include some case studies wherever possible.
 - b. Short quizzed in between the classes should be arranged instead of weekly quizzes.
 - c. At the beginning of each lecture, the faculty may ask questions related to the previous class, quiz, and assignment.
 - d. Appreciation should be given to students for his/her efforts. (Appreciation may be in terms of internal marks)
8. To overcomes the challenges of digital teaching during pandemic times, the following suggestions were made:
- a. Attendance criteria should be maintained for appearing in mid-semester or end-semester exams, but with lower limits.

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- b. The number of questions in assignments should be less, but conceptual not theoretical.
- 9. To discuss the importance of 'additional classes' in digital sessions, the following suggestions were made:
 - a. All the faculty members unanimously agreed that the remedial classes help the students to clear the doubts or misunderstandings regarding the topics taught during regular classes.
 - b. Doubt sessions should be conducted as per the student's requirement.
 - c. Career counseling and guidance sessions should also be arranged for students.
 - d. Students should be motivated to ask their queries in remedial classes.
 - e. Conduction of Additional classes to discuss students' general problems and career-related issues is very necessary. In each month, this type of class should be conducted to resolve the problem of students. It will also provide mental support to students in this pandemic situation.

The workshop ended with a vote of thanks by Dr. Manish Dixit to all the participating faculty members.


Dr. Manish Dixit
Professor & HOD
Department of CSE
M.I.T.S. Gwalior



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Department of Computer Science and Engineering

Attendance of Faculty Members in the Workshop

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 Department of Computer Science and Engineering

Attendance of faculty members present during one-day in-house workshop on "Student-centric, innovative, and effective teaching learning practices to enhance learning outcomes" held on 10/09/2021 at the programming Lab I.

Sr. No.	Name of Faculty	Signature
1.	Rajni Ranjan Singh	
2.	Mahesh Parmar	
3.	Amit Kumar Manghwar	
4.	Dr Anshu Chaturvedi	
5.	Arun Kumar	
6.	Hemlata Arya	
7.	Dr. Anjula Mehta	
8.	DR R K GUPTA	
9.	DR R. S JADON	
10.	LAV Upadhyay	
11.	Sheo Kumar	
12.	Sneha Garg	
13.	Pooja Agrawal	
14.	Kratika Sharma	
15.	MIR Shahnaaz Ahmad	
16.	Khushboo Agarwal	
17.	Pamul Saxena	
18.	Ashwarya	
19.	Jaimala Jha	
20.	M DIXIT	

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Department of Computer Science and Engineering

Schedule of the workshop

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 Department of Computer Science and Engineering

Workshop Schedule

Workshop Title "Student-centric, innovative and effective teaching-learning practices to enhance learning outcomes"

Date: 10/09/2021

Time: 03:00PM to 6:00PM

Venue: Programming Lab I

NOTE: All faculty have to give their views and suggestions on the various mentioned topics.

	Topics	Faculty Name	Time
1	How to make more students to attend classes	Dr. R. S. Yadon Dr. R. K. Gupta	
2	How to make classes more effective & interesting	Dr. Manish Dixit Dr. Anshu Chaturvedi	
3	Time management in class	Prof. Khushboo Agarwal	
4	Possibility of engaging students	Prof. Jaumea Daa	
5	How to enhance student-learning outcomes	Dr. Parul Saxena Prof. Mahesh Parmar	
6	Improving Delivery	Dr. Rajni Ranjan Singh Makwana	03:00 PM to
7	Assuring student attentivity through quizzes/assignments aligned with class notes/recorded links	Prof. Anur Kumar Dr. Anjula Mehta	06:00 PM
8	Challenges of digital teaching during pandemic times	Prof. Sheo Kumar Prof. Julie Kumari	
9	Importance of additional classes in digital session	Prof. Mit Shahnawaz Ahmad Prof. Sneha Garg	
10	Feedback suggestions from some students can also be taken regarding this if possible	Prof. Pooja Agrawal Prof. Ranj Parvesh Das Prof. Arishwarya	
11	Other department specific/department-identified issues	Prof. Arun Kumar Prof. Lav Upadhyay Prof. Kratika Sharma Prof. Ankita Sengar Prof. Hemlata Arya	

Manish Dixit
 10/09/2021
 10

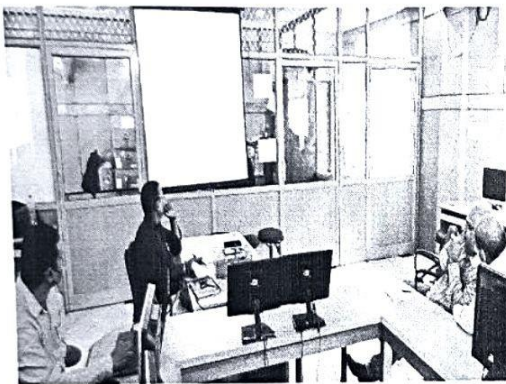
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Dr. Manish Dixit
 Professor & HOD
 Department of
 M.T.S.C.

Manish Dixit

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Department of Computer Science and Engineering

Some Glimpses of the workshop




Dr. Manish Dixit Professor & HOD
Department of CSE
M.I.T.S, Gwalior
Prof. & Head


Anshu Kumar

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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Department of Information Technology

Report of In-house workshop “Student-centric, Innovative and Effective Teaching Learning Practices to Enhance Learning Outcomes”

Date: 15/9/2021

An In-house workshop on “**Student-centric, Innovative and Effective Teaching Learning Practices to Enhance Learning Outcomes**” was conducted on 15/9/2021. This workshop is coordinated by following faculty members and 9 faculty members were present during workshop:

1. Dr. Sanjiv Sharma
2. Prof. Abhilash Sonker
3. Prof. Saumil Maheswari
4. Prof. Vishwas Shrivastav

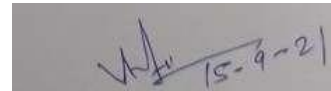
Following issues and outcomes were discussed during workshop:

1. Faculty members shared their opinion about key points of workshop and their experiences.
2. For the Improvement of attendance, Students who are attending more classes as compare to other students deserve incentives such as certificates, acknowledgement, announcement etc. and we can also incorporate creativity, quiz and individual counseling for students
3. For the effective teaching & learning, Following methods can be adopted:
 1. Student Centric Learning
 2. Activity Based Learning
 3. Project Based Learning
 4. Blended learning
 5. Flipped classroom
 6. Practical oriented teaching/ Hands-on
 7. Case study based learning
4. Proper estimation of time for each topic in lecture plan are required for effective time management during delivery of lecture.
5. Learning outcome can be enhance by suggestive methods:
 1. Restructuring teaching method (Flipped Learning, Micro Learning, Blended Learning and Mastery learning etc.)
 2. Rewarding the best students.
 3. Organize weekly brainstorming sessions.
 4. Set up Projects that awakes their interest.
 5. Assess students learning (strengths and weaknesses).
 6. The reversed learning model.
 7. Allow technology to enhance learning.

8. Set the objectives based on learning outcomes before starting a lecture
9. Learning outcomes should be derived from course outcomes.
10. Assessment of student using learning outcomes
6. Faculty member and students are facing following challenges during online teaching & learning during pandemic period :
 1. Connectivity issue
 2. Work Process & time management
 3. Gadget shortcoming
 4. Feeling of isolation
 5. Family Intrusion
 6. Surrounding Problems
7. Attentiveness of students can be improved by following suggestions:
 1. Incorporation of animated videos
 2. Virtualization and simulation tools
 3. Use of Social media Platform



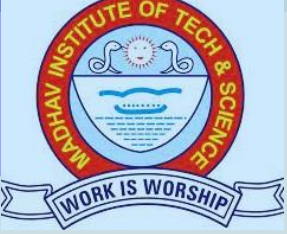
**(Dr. Sanjiv Sharma)
Tiwari)
Assistant Professor**



**(Dr. Akhilesh
Prof. & Head**

Enclosure:

1. Broucher
2. Report of pre-work
3. Attendance of participants
4. Details of deliberation/presentation during workshop
5. Feedback of workshop
6. Glimpses



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DEPARTMENT OF INFORMATION TECHNOLOGY

Key Points:

In-House Workshop

DATE: 15/9/2021

1. Attendance Improvement
2. More effective & interesting Classes
3. Time Management
4. Enhance student learning outcomes
5. Improving Delivery
6. Assuring student attentivity
7. Challenges of digital teaching during pandemic times
8. Importance of 'additional classes' in digital session

on
Student-centric,
innovative,
and effective
teaching learning
practices to enhance
learning outcomes

TIME: 4:15 PM

VENUE: IBM LAB

COORDINATORS :

DR. SANJIV SHARMA

PROF. ABHILASH SONKER

DR. SAUMIL MAHESHWARI

PROF. VISHWAS SRIVASTAVA

MITTS

Timestamp	Faculty Name	1. Attendance Improvements	2. More Effective & Interesting Classes	3. Time Management	4. Enhance Student Learning Outcomes	5. Improving Delivery	6. Assuring Students attentivity	7. Challenges of online learning during pandemic times	8. Importance of Additional Classes in digital session
9/13/2021 15:16:55	Rajeev Kumar Singh	Very important	Required	We are doing best.	Required for students prospective	Ok	We have to focus on this particular	Requirement of Hardware, internet issues, Health issues	If students are giving their requirement or syllabus are not completed. Then additional classes required.
9/13/2021 17:06:51	Abhilash Sonker	Small quiz during class, reward student who attend class regularly	Use of software tool for interactive class	Proper scheduling of lecture	Brainstorming session	Use of software tool, Interaction with student	Asking question to student during class, some animated video	Network Bandwidth, Continuous classes and lack of interest due to continuous online class	Doubt clearing, Approach weak student to improve their skill.
9/13/2021 17:46:07	Neha Bhardwaj	motivate students in class, ask questions in quiz that were taught in lecture only	attracting slides and combination of board like feeling	from teacher prospective or student prospective???	improve attendance	ask students what is the understanding gap	bidirectional teaching	resources: like internet facility, digital devices, listeners	(for sincere students) if students are not able to attend the lecture at mentioned time, they can attend in additional lecture or ask their doubts after watching video lectures
9/14/2021 11:05:26	Namrata Agrawal	Faculty should marks attendance himself/herself.	Deliver lecture from basics to complex level in smooth way	Concept should be cleared in the most effective way in less time duration	access students by weekly quiz , assignment	by using pen tablet , attractive ppts	Make class interactive by asking them questions	Making students attentive in the class	To clear the doubts of students of regular classes
9/14/2021 11:15:28	Dheeraj Gurjar	Give priority to teaching by providing realistic insight of subject, not to just deliver the lecture.	Subject to subject different technique can be used ; For programming not to demonstrate syntax only, instead involve in projects , and these projects must be implemented by instructors first then involve students as and when they need help.	NA	Just to strict on evaluation/ assessment	Focus on quality , instead on quantity	during class session faculty should through few question based on delivered contain	increased screen time affecting our as well as students productivity	No additional classes are needed , till students themselves are suggesting the same
9/14/2021 12:15:56	Santosh Sahu	Turn of the Self Attendance. 75% Attendance must be	Relate the content with real life example	no issue	make class interactive	use of various tools like writing pad, visualization.	engaging student by asking their point of view	online leaning should be for limited time.	if Students are attending then it has importance

		compulsory							
9/14/2021 12:39:23	Shweta Patel	Make classes useful/innovative so that get interested to attend the classes	Make use of various tools and involving students in small activities	No issues	Make them think beyond syllabus by giving then real life examples	Use of tools, visual based aids	Question answer session	Long seating hours	For clearing doubts
9/15/2021 13:13:10	Sanjiv Sharma	Create interest of students for Subject	Teaching aids	Lecture plan	Create learning outcomes for each course outcomes	Practical exposure	Quiz	Internet connection	Remedial
9/15/2021 13:18:30	Vishwas Srivastava	By conducting quizzes in live class	Using Teaching aids	Class should be finished in proper time	By providing outcomes at the starting of each class	Using visual aids	Random question asking	Internet issue	It help the students, when the class is missed
9/15/2021 14:21:59	Abhishek Dixit	Some provision should be available to give weightage/compulsion of attendance during the mark evaluation.	explain the concept by relating with real life example.	NA	Relate the concepts with real life problems so that students think beyond the syllabus	using tools and relate concept with real life example.	By asking question during class	Internet Connectivity and digital devices, Less number of students attend the class	To resolve the doubts of the students
9/15/2021 14:23:17	PUNIT KUMAR JOHARI	Criteria should be imposed	THROUGH EXAMPLES	It should be less	implementation of the subject through real world problem.	In case on online need to expand more time init.	Some criteria should be strictly imposed.	network Connectivity, lack of concentration, availability of the books and course material etc.	For students benefit, if students taking an interest.
9/15/2021 14:43:47	Vikas Sejwar	should take action, if attendance is less	add live examples and use models	Class should be held on time limit	should be give assignment and problems for solve	should gain subjective knowledge	teaching mode should be attractive and use animations, discuss real time problems and solutions	No challenges	usefull for absenty students

9/15/2021 14:23:17	PUNIT KUMAR JOHARI	Criteria should be imposed	THROUGH EXAMPLES	It should be less	implementation of the subject through real world problem.	In case on online need to expand more time init.	Some criteria should be strictly imposed.	network Connectivity, lack of concentration, availability of the books and course material etc.	For students benefit, if students taking an interest.
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Madhav Institute of Technology & Science Gwalior (M.P.)
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)
Department of Information Technology

Date: 15th September 2021

Attendance Sheet for the In-house workshop on

“Student-centric, innovative, and effective teaching learning practices to enhance learning outcomes”

S. no.	Faculty Name	Signature	Remark
1	Dr. Sanjiv Sharma		
2	Prof. P.K. Johari		
3	Prof. Vikas Sejwar		
4	Prof. Abhilash Sonker		
5	Prof. Rajeev K. Singh	 15.9.21	
6	Prof. Neha Bhardwaj	 15/9/21	
7	Dr. Saumil Maheshwari	 15-9-21	
8	Prof. Dheeraj Gurjar		
9	Prof. Namrata Agrawal		
10	Prof. Santosh Sahu		
11	Prof. Shweta Patel		
12	Prof. Abhishek Dixit	 15/09/2021	
13	Prof. Vishwas Srivastava		



Co-ordinated by: Dr. Sanjiv Sharma

An in-house Workshop on

Student-centric, Innovative and Effective Teaching Learning Practices to Enhance Learning Outcomes

Prof. Abhilash Sonker

Dr. Saumil Maheshwari

Prof. Vishwas Srivastav



ENDANCE IMPROVEMENTS

Factors responsible for absenteeism of students are:

- 1. Teaching methods- boring lectures**
- 2. Lack of interesting contents**
- 3. Less connection between teacher and student**
- 4. Part time job/work by students in need of money**
- 5. Extra classes for coaching**
- 6. Family problems**
- 7. Students are from studies due to wrong company of friends**
- 8. Extra curricular activities more than needed- improper planning and lack of guidance**

**Factors
responsible
for
absenteeism
of students
are:**

- 9. Self respect is hurt by family members/teacher**
- 10. Type of school up to 12th standard**
- 11. Low self esteem**
- 12. Not knowing value of education**
- 13. Interested in fields other than engineering**

**Reasons for
a student to
take
admission
in college
like:**

- 1. to graduate somehow**
- 2. to get engineering degree
for social status**
- 3. forced by parents**
- 4. to become an established
engineering or
businessman**
- 5. to increase self esteem**
- 6. to use degree as a step for
going abroad for higher
studies**
- 7. to get a good job after
graduation**
- 8. to go along with the flow
i.e. friends, society,
relatives etc.**



The systems that can help the students are:

- **creativity in teaching- learning process**



The systems that can help the students are:

- individual counseling



**The systems that can
help the students are:**

- **Quiz during Lecture**



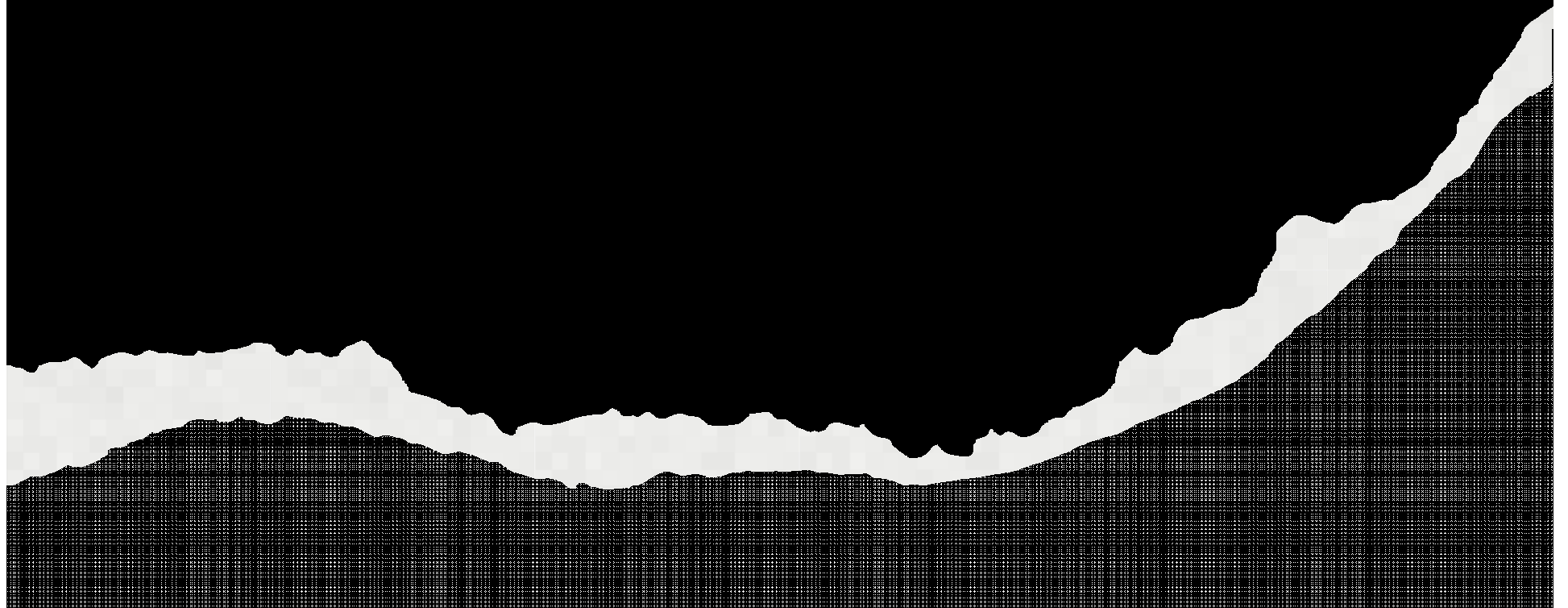
The systems that can
~~Respond to Security~~
are:



**The systems that
can help the students
are:**

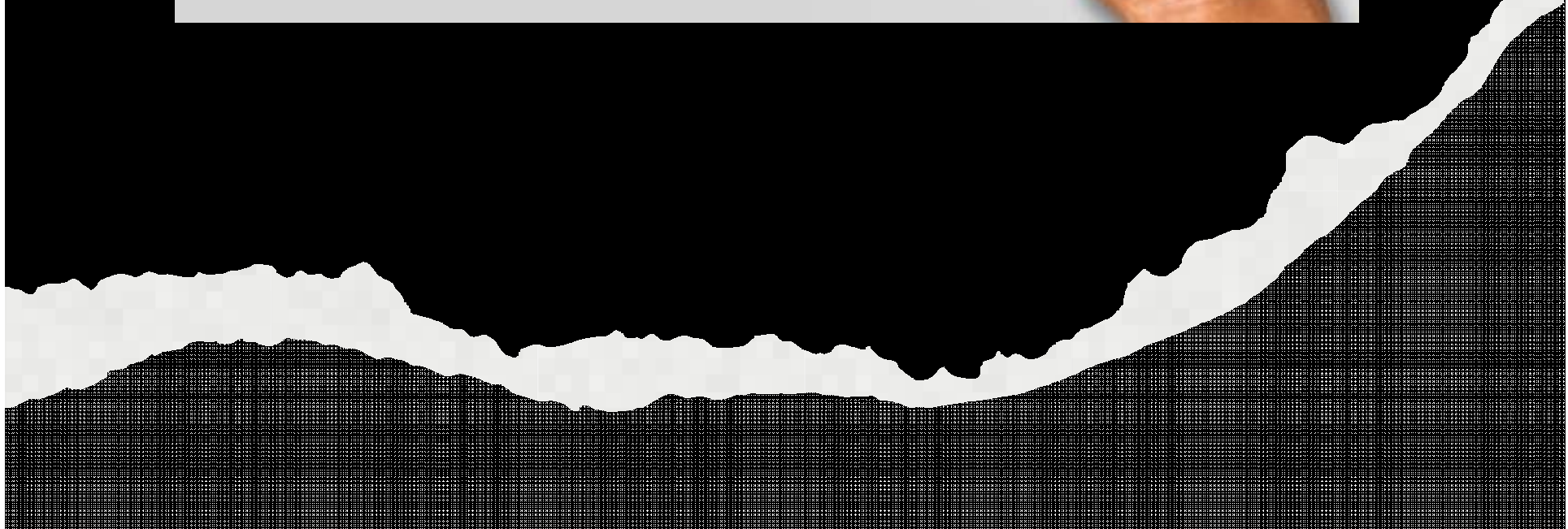
Incentives

More Effective & Interesting Classes



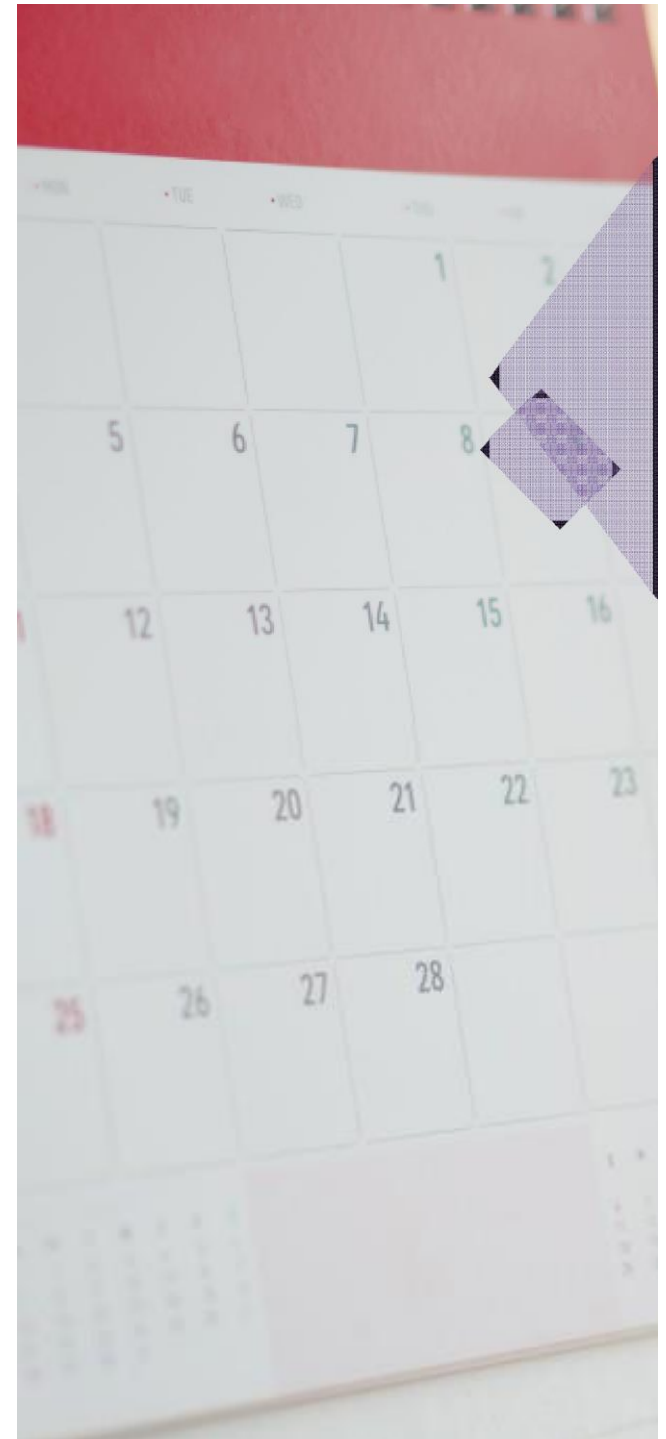
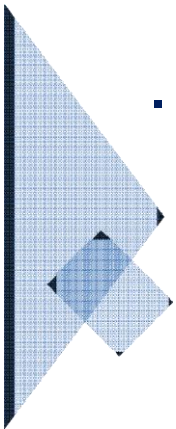


Time Management



- **Lecture Should Start & Stop on time with proper comments.**
- **Proper estimation of time for each topic in lecture plan for effective delivery of lecture.**
- Delivery of lecture according to Lecture Plan on time.
- **Management of time during emphasizing a specific topic.**

- Timeline for delivery of study material , Quiz & Assignment



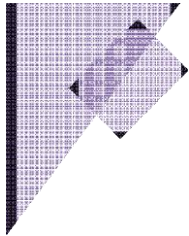


Benefits of Time Management

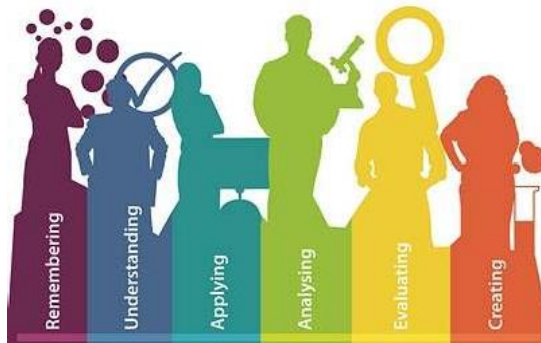
1. To save time.
2. To reduce stress
3. To function effectively.
4. To increase our work output.
5. Get more work done in less time.
6. More Quality Work.
7. Helps to discipline ourselves.
8. Making sure you deliver what is promised.

Enhance Student

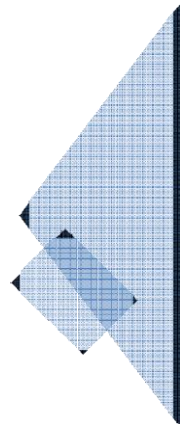




BLOOM'S TAXONOMY



- **Restructuring teaching method (Flipped Learning, Micro Learning, Blended Learning and Mastery learning etc.):**To improve their grades and bright future.
- **Rewarding the best students.**
- **Organize weekly brainstorming sessions.**
- **Set up Projects that awakes their interest.**
- **Assess students learning(strengths and weaknesses).**
- **The reversed learning model.**
- **Allow technology to enhance learning.**
- **Set the objectives based on learning outcomes before starting a lecture**
- **Learning outcomes should be derived from course outcomes.**
- **Assessment of student using learning outcomes**



Challenges of online learning during pandemic times





Connectivity
issue

Work Process &
time
management

Gadget
shortcoming

Feeling of
isolation

Family
Intrusion

Surrounding
Problems

Improving Delivery





KEEPING THE VIDEO ON ,
WILL CREATE INTERACTIVE
FEELING(SHOW YOUR
FACE)



USE OF EXISTING
RESOURCES



GIVE SPECIFIC
INSTRUCTIONS



SET REASONABLE
EXPECTATIONS



TEST THE
SLIDES/CONTENT
BEFORE DELIVERY



RECORD THE VIDEOS
RELEVANT TO THE CLASS

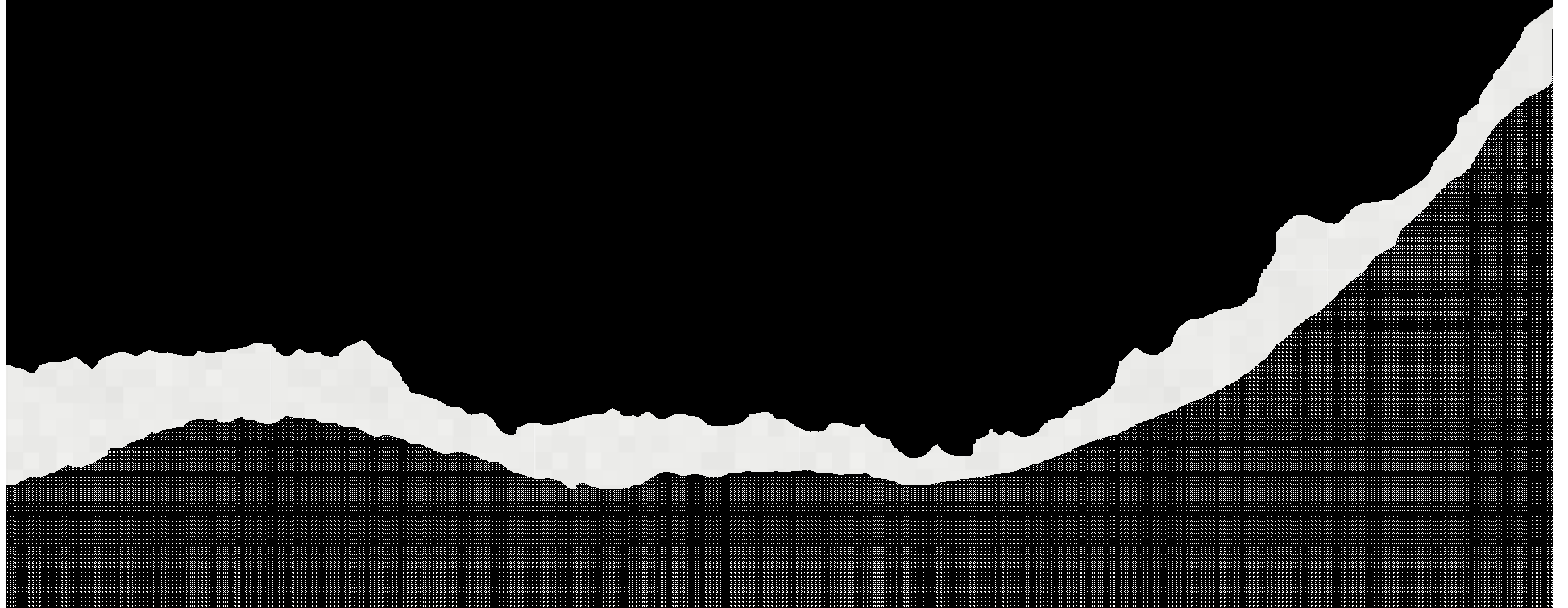


TAKE A POLL AFTERTHE
CLASS



REPEAT THE
COMFORTABLE/WORKING
TEACHING STYLE

Assuring Student Attentivity



Incorporation of
animated videos

Virtualization and
simulation tools

Use of Social media
Platform

Importance of Additional Classes





one to one interaction

Doubt clearing

Focus on weaker student

Class Revision

Student





The on-line classes are conducted **regularly**

*The online classes were **useful** to you*

The PPTs/notes and other relevant study material was shared in timely manner
(**Availability of study material**)

The **quality of recorded lectures**

Additional classes conducted for remedial purpose

The **assignments** helped you in learning

The **weekly quiz** conducted has motivated you to revise

The teacher was in general **considerate and helpful**

The **efforts made by the teacher** (under present constraints due to COVID-19)

Overall rating of the course covered so far



In-house workshop Feedback (Responses)

Form Responses 1

Timestamp	How satisfied were you with the workshop?	How relevant and helpful do you think it was for you?	The amount of information was appropriate for time allowed	Was Pre-workshop information provided to you helpful?	What did you like best about this workshop?	What did you like least about this workshop?	How satisfied were you with the workshop? [Visuals]	How satisfied were you with the workshop? [Acoustics]	How satisfied were you with the workshop? [Meeting Space]	Any overall feedback for the workshop?
9/15/2021 17:24:53	5	5	5	4	Think more towards students learning	-	5	5	5	-
9/15/2021 17:48:38	4	4	3	5	Discussion mode	Lack of time management per topic	4	4	4	Good
9/16/2021 10:26:30	4	4	4	4			4	4	4	
9/16/2021 10:27:09	5	5	4	4			5	4	5	Very good
9/16/2021 10:36:24	4	4	5	4	incentive to students		3	3	5	Whatever technique discussed must be implement
9/16/2021 11:20:37	5	5	5	5	Very useful to discuss practical problems and itis Interactive workshop	NA	5	5	5	enjoyed and learned a lot, very informative and valuable workshop



An in-house Workshop on

**Student-centric,
Innovative and
Effective Teaching
Learning Practices to
Enhance Learning
Outcomes**

Co-ordinated by:
Dr. Sanjiv Sharma
Prof. Abhilash Sonker
Dr. Saumil Maheshwari
Prof. Vishwas Srivastav

Type here to search



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5. Extra classes for coaching
6. Family problems
7. Students are from studies due to wrong company of friends
8. Extra curricular activities more than needed. Improper planning and lack of guidance



An In-house
Workshop on

Understanding
Instructors and
Effective Teaching
Learning Practices to
Enhance Learning
Outcomes

Coordinated by
Dr. Sandhya
and Dr. Anurag
for Academic Support
and Quality Assurance



Factors responsible for alienation of students are:

1. Teaching methods being boring
2. Lack of interesting content
3. Less communication between teacher and student
4. Poor time utilization by students in use of notes
5. Extra classes for reaching a study position
6. Poorly prepared
7. Methods are less suitable due to wrong perception of them
8. High academic standards with less concern towards planning and lack of guidance





The systems that can help the students are:

- individual counseling









MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
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Department of Chemical Engineering, MITS Gwalior

Work Shop Report

20.09.2021

An online meeting for in-house workshop on "Student-centric, **Innovative and effective teaching learning practices to enhance learning outcomes**", conducted on Wednesday, 15/09/2021 at 04:00- 06:00pm on Google Meet <https://meet.google.com/dnm-inaz-kra>.








Objectives-


To find suitable approach to motivate the students for attending the classes regularly and to make teaching learning more effective.

Outcomes –

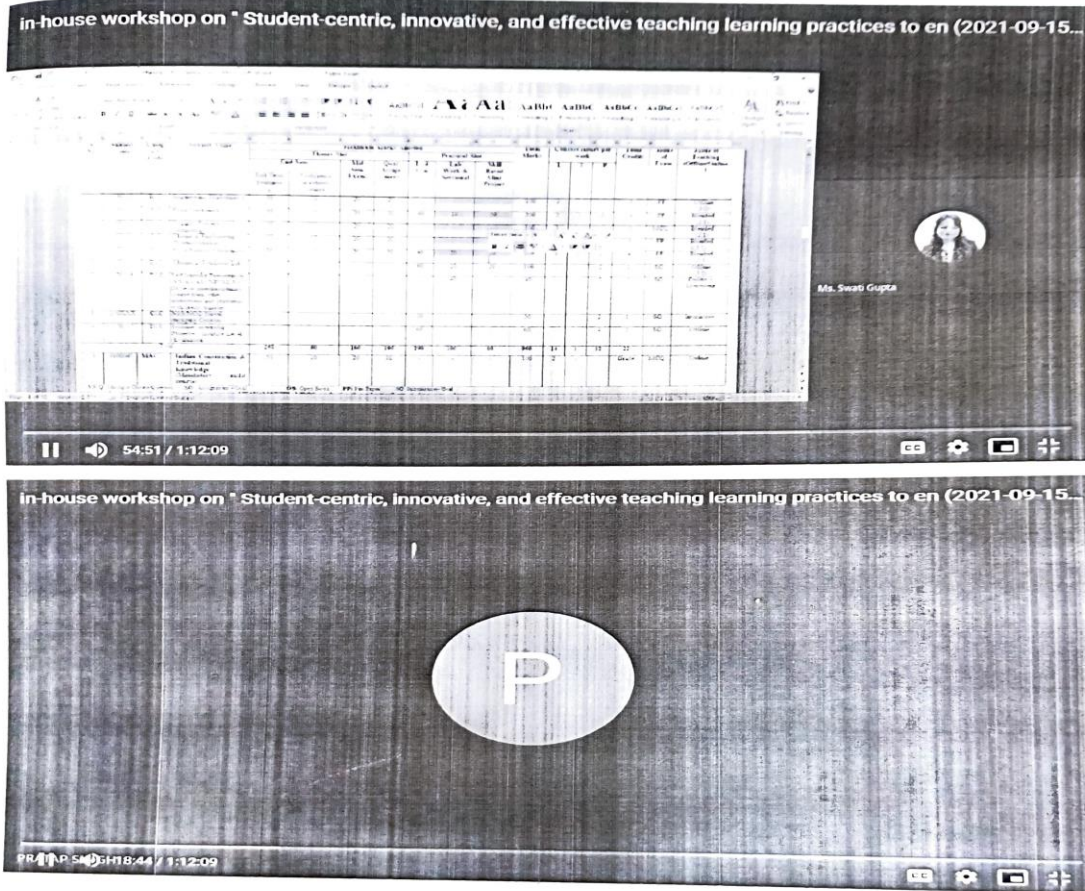
1. Tutorial sessions should be planned for Numerical based courses for the better understanding of the application of concept.
2. There must be minimum attendance criterion for creating seriousness in the students for the attending online classes.
3. Faculty must review their teaching methodology and make changes wherever necessary according to them.
4. Class coordinator meeting should be schedule with the students for understanding & resolving their issues.
5. The parents must be apprised about their wards progress, performance & attendances in the online classes and to interact with them. (Fortnightly basis).
6. Develop approaches for teaching learning based on the nature of the course- Theoretical, Numerical. Application based, Practical, Blended etc.

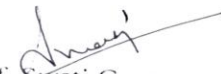
The following faculty members were present during the meeting:

1. Prof. Swati Gupta 
2. Prof. Anish P.Jacob 
3. Dr. Shourabh Singh Raghuwanshi 
4. Dr. Suneeta Kumari
5. Dr. A.N.Sarve 
6. Dr. Pratap Singh 
7. Prof. Sulochana Nagar 
8. Dr. R.K.Dubey 

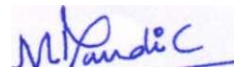

20/09/2021
Prof. Swati Gupta
(Assistant Professor & Coordinator)

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Screenshots




Prof. Swati Gupta
(Assistant Professor & Coordinator)

Compiled by Dean Academic Office:
Date: 15.10.2021


Dr. Manjaree Pandit
Dean Academics