

# MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE GWALIOR (M.P.)



## CHEMICAL ENGINEERING DEPARTMENT

Volume 6/ Issue 3

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### VISION

To be a leader in Chemical Engineering Education and Research by providing balanced learning and fostering research to enable the learners to meet the challenges of process industries and societal needs.

### MISSION

- Share state of the art knowledge and facilities and enable optimal utilization of the resource in the region.
- To adopt good pedagogical practices and ethics in order to achieve excellence.
- Develop research culture and create a platform to disseminate research and development

### ABOUT THE DEPARTMENT

The Chemical Engineering Department was started in 1996 it offers B.E. and MTech. courses in Chemical Engineering. Department was started with 30 students in undergraduate but latter on realizing the importance and need for Chemical Engineers, intake capacity raised to 60 in 2013-14. MTech. Course was started in 2013-14 with specialization in Chemical Engineering. The Department started with vision developing itself into academic excellence in Chemical Engineering and associated areas in order to develop competitive professionals and experts having knowledge, skills and attitude to serve the society and nation.

### PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)

PEO1: Develop innovative products and services in the field of Chemical Engineering and Allied Engineering disciplines.

PEO2: Make use of Chemical Engineering with modern experimental and computational skills in higher education and research.

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## Departmental Events

Name of the Faculty /Club	Details of the activities
<p>Chemical Engineering Department</p> <p><u>Faculty Involved-</u></p> <p><b>Dr. Rakesh kumar Dubey &amp; Prof. Shivangi Sharma</b></p>	<ol style="list-style-type: none"><li>1. Orientation program for III – IV Year</li><li>2. Orientation program for II year</li><li>3. Gwalior Visit (For Ist Year Newly Admitted Students)</li></ol>

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## 1. Orientation program for III – IV year

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Orientation Programme for III-IV Year students of the department was scheduled on 24<sup>th</sup> July, 2023 from 11:00 AM onwards in Dept. Computer Lab - The students were briefed about the scheme, syllabus of courses, OBE, Honours, Minors, NPTEL/SWAYAM, importance of various feedbacks, student clubs, internships, etc.







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## 2.Orientation program for II year

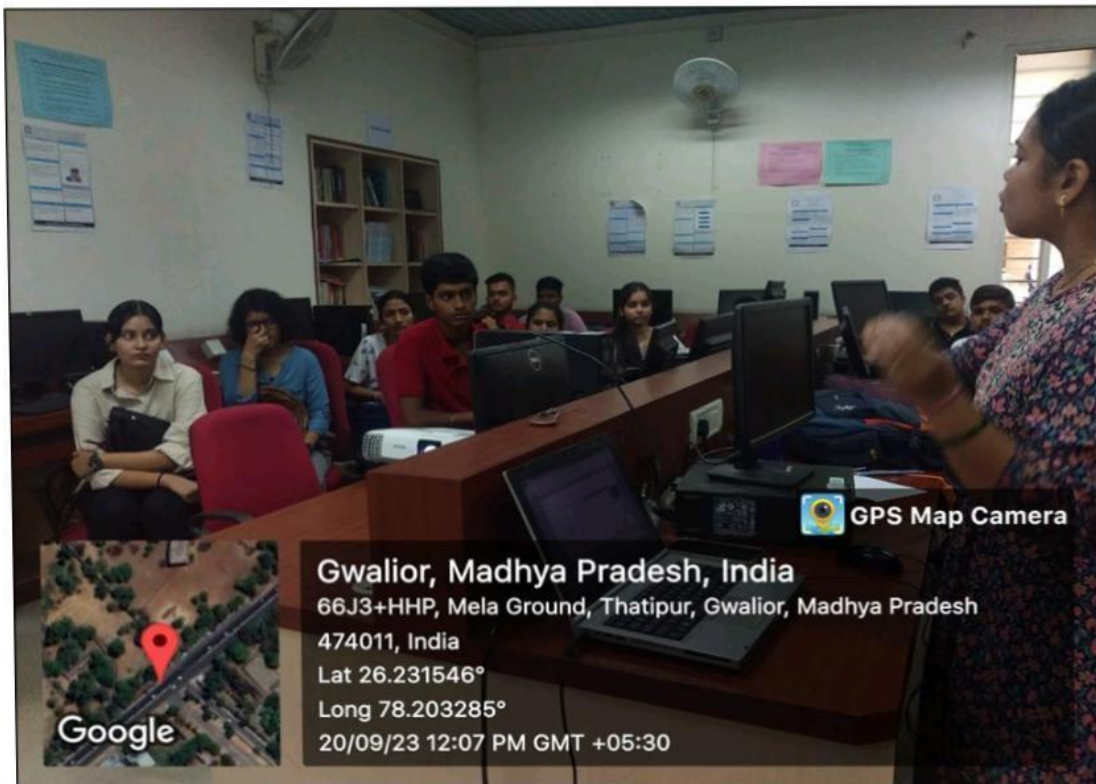
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Orientation Programme for II Year students of the department was scheduled on 1st August 2023 from 11:00 AM onwards. The first session was scheduled in seminar hall II and others sessions will be held in the Departmental Computer Lab – The students were briefed about the scheme, syllabi of courses, OBE, NPTEL/SWAYAM, importance of various feedbacks, student clubs, etc



Induction Program of first year students of the department is scheduled on from 20 September 2023 11:00 AM onwards in the Computer lab of chemical engineering department.

Topics	Name of Faculty	Time
1. An introduction & Overview of the Department	<b>Prof. Anish P Jacob</b>	30 Min
2. Introduction to the relevant Schemes/Courses/Evaluation Process Curriculum & various electives	<b>Prof. Swati Gupta</b>	30 Min
3. Class Announcement	<b>Prof. Swati Gupta</b>	10 Min
4. Importance of feedback on (CO, PO, Faculty feedback, Curriculum) in quality improvement	<b>Prof. Anish P Jacob</b>	10 Min
5. Importance of attending weekly special classes for remedial purpose	<b>Dr. Rakesh K. Dubey</b>	10 Min
6. Placements and Internship Details	<b>Dr. Shourabh Singh Raghuwanshi</b>	10 Min
7. Motivation for attending Class Regularly	<b>Prof. Shivangi Sharma</b>	5 Min
8. Universal Human values & Professional ethics	<b>Prof. Swati Gupta</b>	10 Min
9. other information which the department feels is required to be clarified to the students to avoid complications and issues later (Regarding attendance, mid – term tests, tips for fairing well in examinations, etc.	<b>Prof. Swati Gupta</b>	5 min
10. Special provisions of flexible curriculum.	<b>Prof. Swati Gupta</b>	5 Min
11. Lab Visit	<b>Prof. Shivangi Sharma &amp; Dr. Rakesh K. Dubey</b>	20 Min
12. Peer to Peer Interaction & Chemical Engineer's Club Activity	<b>Dr. Rakesh K. Dubey</b>	2 hrs 30 min





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### 3. Gwalior Visit (For 1st Year Newly admitted students)

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Gwalior visit was organized on 23<sup>rd</sup> Sep 2023 for 1st Year newly admitted students on route (MITS Campus to Sun Temple to Chatri/Katoratal to Maharaja Bada to Gopachal Parvat to Maharani Laxmibai Statue and return to MITS Campus)





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## **INOVATION INTRODUCE**

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### **ONLINE FEEDBACK USING MOODLE**

The constraints of pen and paper method of receiving feedbacks are many, which render the whole process meaningless. The main constraints in this method are- cost of printing which increases with the increase in number of questions. Moreover, the students lose interest in filling those never-ending sheets of paper, and the sheets from the booklets also. In such scenario, the data obtained, from the feedback are not complete and are unreliable. In addition to that, this data can't be analyzed deeply, without investing tremendous amount of resources.

In such a scenario, this year, the student feedback about different Faculty member and courses has been obtained using an online platform, MOODLE. Use of MOODLE for obtaining feedback has resulted in overwhelming participation from students. Moreover, the completeness of data is also guaranteed. The length of feedback questionnaire can be increased without any problem. In addition to that, the data obtained can be analyzed in multitude ways, very easily.

### **INTRODUCTION OF NPTEL COURSES UNDER SWAYAM**

During the last few years, the awareness among engineering students about social media has increased exponentially. The inclination among present day students is towards learning from online platforms, where they can learn at their own pace in their owntime, at a place of their choice. SWAYAM is an initiative whose motiveis to exploit this tendency of students for online learning.

The lectures of the courses are available on YouTube platform, where a student can watch them and learn. These courses also include assignments given by Instructors assigned to these courses. These assignments are submitted using Google Classroom, whichfacilitates transparency and continuity in the evaluation of students. Moreover, A student receives prompt results.

## **EDITORIAL BOARD**

Advisor: [Dr. Shourabh Singh Raghuwanshi]

Composed by: [Mr. Shivam Yadav]

[Miss. Khushi Shrivastava]

[Mr. Sanjay Kumar Tripathi]