



Maitrey Educational Society's

Nagarjuna

Institute of Engineering, Technology & Management

College Address : Village Satnavari, Amravati Road, NAGPUR - 440 023

Mobile No. : 9579850361, 362, 363

E-mail : maitrey.ngp@gmail.com **Website :** www.nietm.in

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences and teachers use ICT -enabled tools including online resources for effective teaching and learning process.

Our institution takes effort in student centric teaching learning process towards by adopting various suitable learning methodologies.

1. Experiential Learning:

Every student is made to have an experiential learning path through each curriculum imparted in theory and practical subjects based on bloom's taxonomy levels. Every semester, students are exposed to periodical Industrial Visits and Internship in companies to gain exposure to industrial practices under Beyond the Learning. Students are encouraged to participate in internal/external college workshops, National Conference, International Conference, Competitions etc. We have MoUs with various industries situated in and around Nagpur region to provide platform to the students for experiential learning.

2. Participative Learning:

Students utilize e-learning facilities for accessing online lecture tutorials, NPTEL and training activities. Students are encouraged to participate in national and international level competition, conference, seminar and workshop within and outside the college. Innovative Projects helps the students towards effective ideation and implementation. The students of our college are made to participate in different brain-storming activities and case studies by consultation with field experts. Group discussions, Technical Quizzes, Debates are conducted and students are motivated to participate in these activities. As the students come with different opinions and thought processes, the learning process gets justified in the argue mental way

3. Regular Teaching Techniques:

Class Room Lectures & E- Learning Resources: Classroom lectures interspersed with discussion, resource for sound understanding, fundamentals, design and implementation. Generally teaching is carried out with conventional green-board and through PPTs using LCD projectors for explanation and visualization.

4. Problem Solving Methods:

Assignments on various topics are given regularly to increase engagement with subject and its understanding. Case studies and Mini projects: To developed the problem-solving methods and to enhance the practical knowledge and logical thinking of students, we are following case studies with innovative way and also encourage our students to make some Mini projects based on

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industrial problems from second year onwards. The students are divided into small groups so that personal attention can be given and every student's role will become prominent.

Problem solving Methodologies:

As a Mentor, faculty members support students in a variety of unique activities and guide them to achieve better achievements.

- Faculty supports students in the appropriate way to overcome academic and personal concerns, and every effort is made to ensure academic mentoring of students and offer questions in classes.
- Quizzes, project work, and questions framed in the question paper help students improve their analytical and reasoning skills.

Participating Learning:

- **Internships, Projects, Industrial Visits-** Enhancing managing skills, communication skills through practical exposure of the industry
- **Group discussions and various competitions-** Enhance the communications and discussion skills
- **Extension Activities** help students to improve their societal/ethical values

ICT-Enabled Tools and Online Resources:

- **Learning Management Systems (LMS):** Platforms like ERP, MS Team, Google Class Room, and Zoom facilitate course management, content delivery, and interaction between teachers and students.
- **Online Courses and MOOCs:** Our faculties motivate students to do MOOCs (Massive Open Online Courses) via access to platforms like NPTEL, Coursera for certification courses.
- **Virtual Labs and Simulations:** Students use Virtual labs and simulations to offer practical and hands-on learning experiences, even when physical labs may not be accessible

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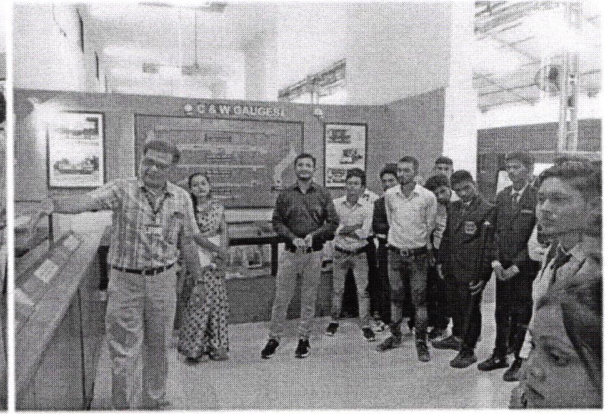
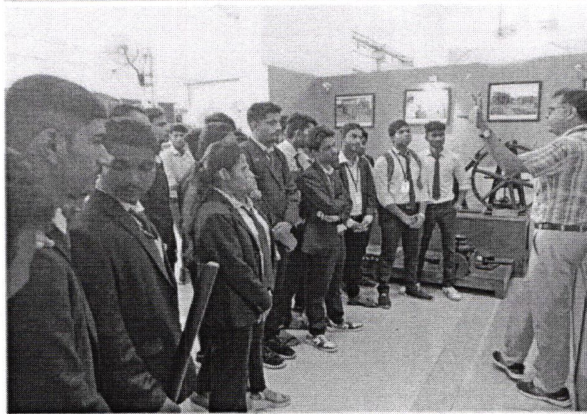
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INDUSTRIAL VISITS



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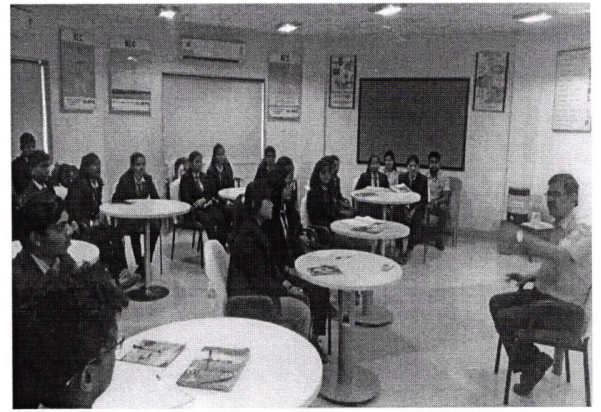
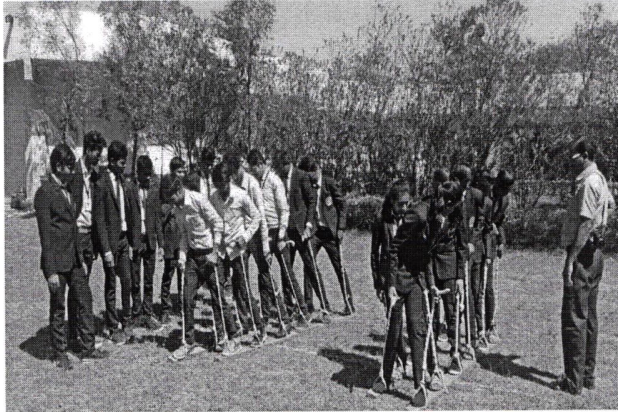
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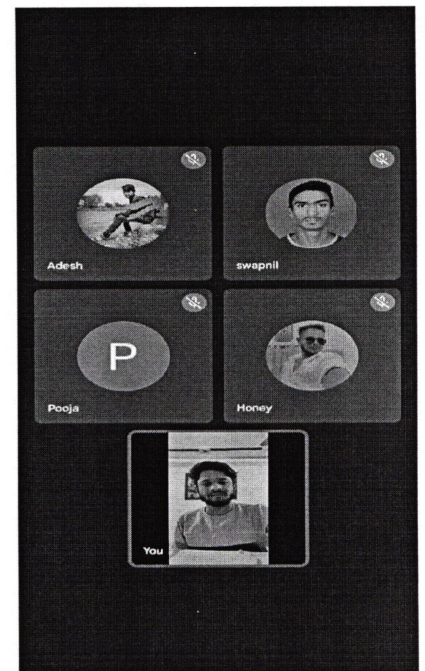
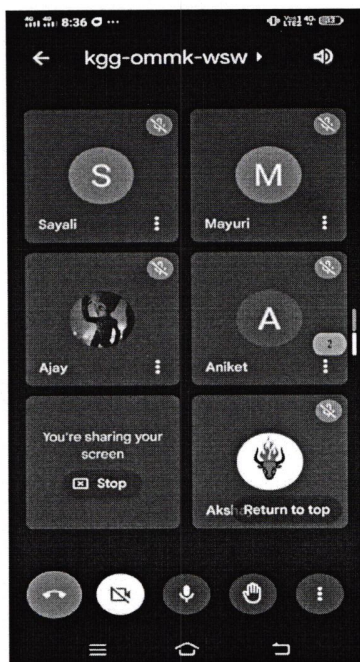
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ONLINE LECTURE & NPTEL



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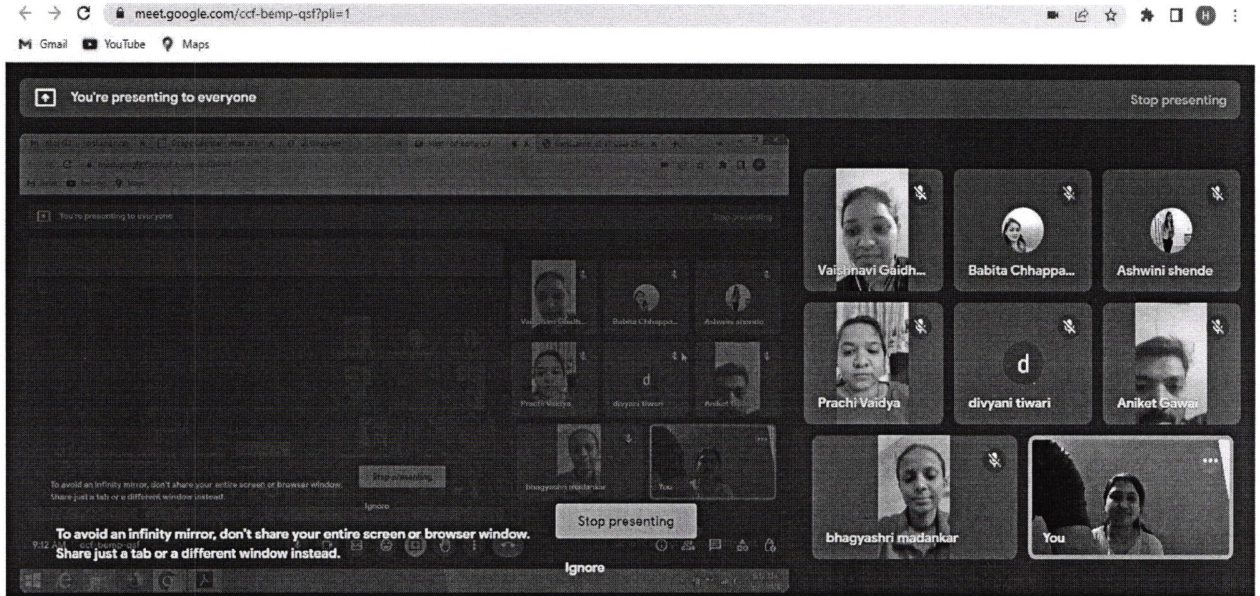
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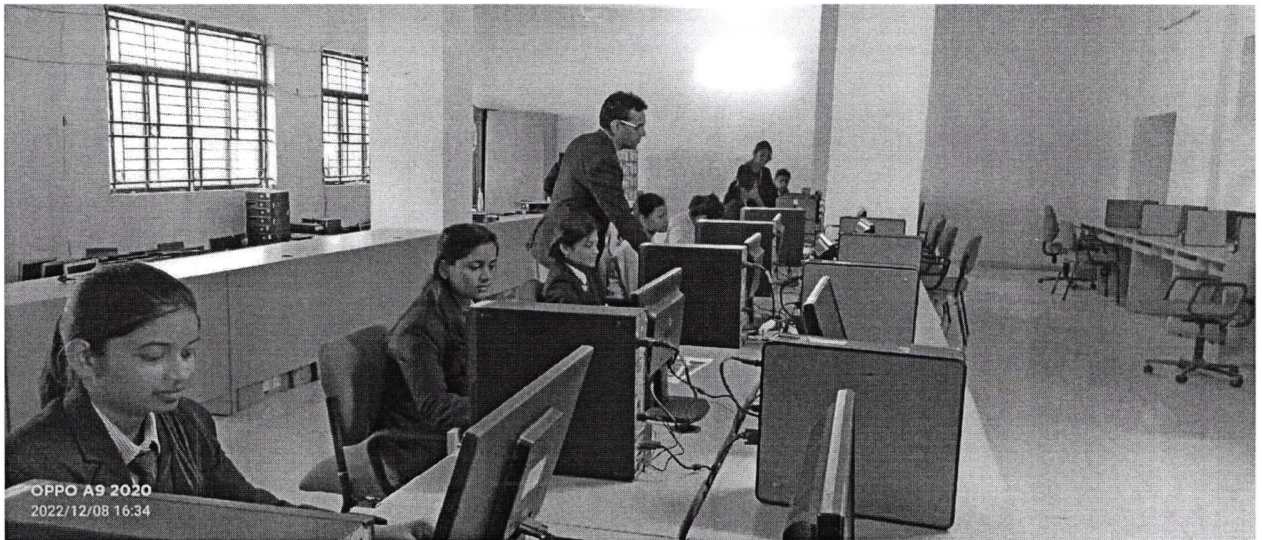
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Online Lecture



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