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

CHEMICAL ENGINEERING DEPARTMENT

Volume7/Issue 4 Oct 2024–Dec. 2024

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

ABOUTTHE 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.

NPTEL /ATAL/ COURSERA/ INTERNSHALA COURSE ATTENDED BY THE FACULTY

Coures	NameofFaculty	DetailsofCourse
NPTEL COURSES	Prof. Anish P. Jacob	1. Successfully completed 12 week NPTEL course on "Techniques of Material Characterization"
	Prof. Shivangi Sharma	1. 8 week NPTEL FDP on energy Conversion technologies (Biomass & Coal)

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India
कौशल भारत - कुशल भारत

This certificate is awarded to

ANISH P JACOB

for successfully completing the course

Techniques of Materials Characterization

with a consolidated score of **52** %

Online Assignments	19.69/25	Proctored Exam	32.25/75

Total number of candidates certified in this course: **102**

Jul-Oct 2024

(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

FREE ONLINE EDUCATION swayam

Roll No: NPTEL24MM41S958200020 To verify the certificate No. of credits recommended: 3 or 4

NPTEL-AICTE
Faculty Development Programme

(Funded by the MoE, Govt. of India)

This certificate is awarded to

SHIVANGI SHARMA

for successfully completing the course

Energy Conversion Technologies (Biomass and Coal)

with a consolidated score of **70** %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Jul-Sep 2024)

Roll No: NPTEL24CH48S136200213 Duration of NPTEL course : 8 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 16th Nov, 2023, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2023

FDP/STC ATTENDED (OUTSIDETHE INSTITUTE)

Coures	NameofFaculty	DetailsofCourse
FDP/STC ATTENDED BY NPTEL COURSE	Prof. Anish P. Jacob	**1.** Completed FDP course on "Techniques of Material Characterization"
	Prof. Swati Gupta	**1.** 12 week NPTEL FDP on Basic Environmental Engineering and Pollution Abatement

NPTEL-AICTE
Faculty Development Programme

(Funded by the MoE, Govt. of India)

This certificate is awarded to

ANISH P JACOB

for successfully completing the course

Techniques of Materials Characterization

with a consolidated score of **52** %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Jul-Oct 2024)

Roll No: NPTEL24MM41S958200020

Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 16th Nov, 2023, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2023

NPTEL-AICTE
Faculty Development Programme

(Funded by the MoE, Govt. of India)

This certificate is awarded to

SWATI GUPTA

for successfully completing the course

Basic Environmental Engineering and Pollution Abatement

with a consolidated score of **69** %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Jul-Oct 2024)

Roll No: NPTEL24CH53S459200937

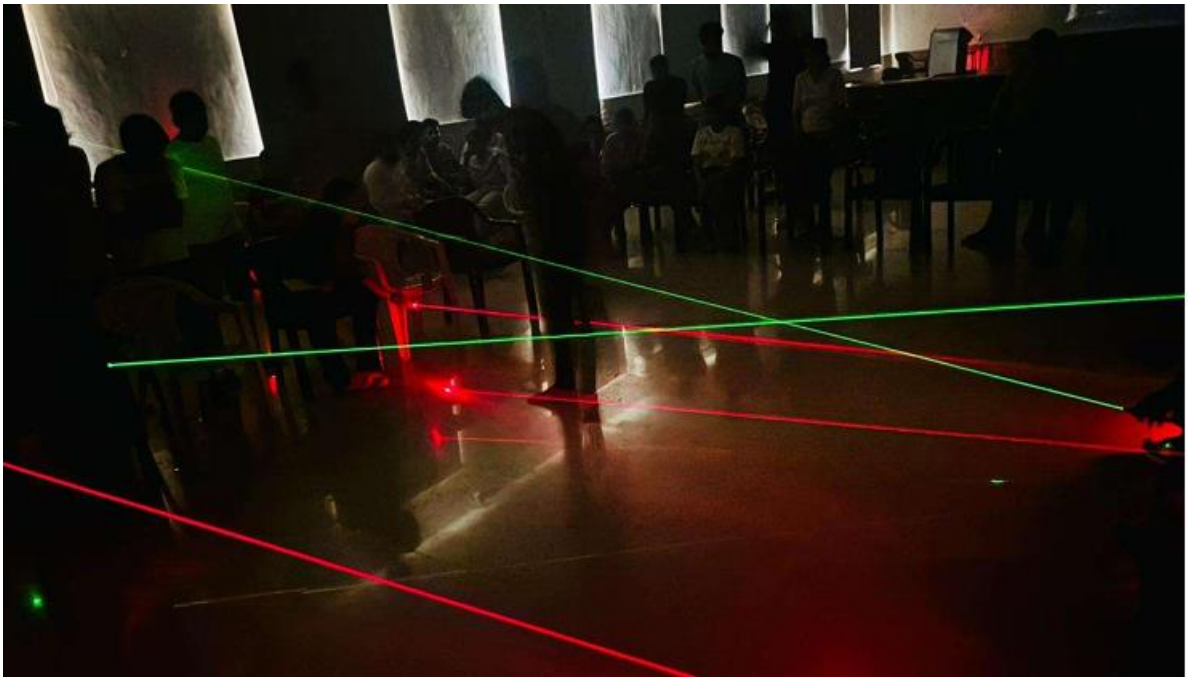
Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 16th Nov, 2023, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2023

STUDENT CLUB ACTIVITIES ORGANIZED

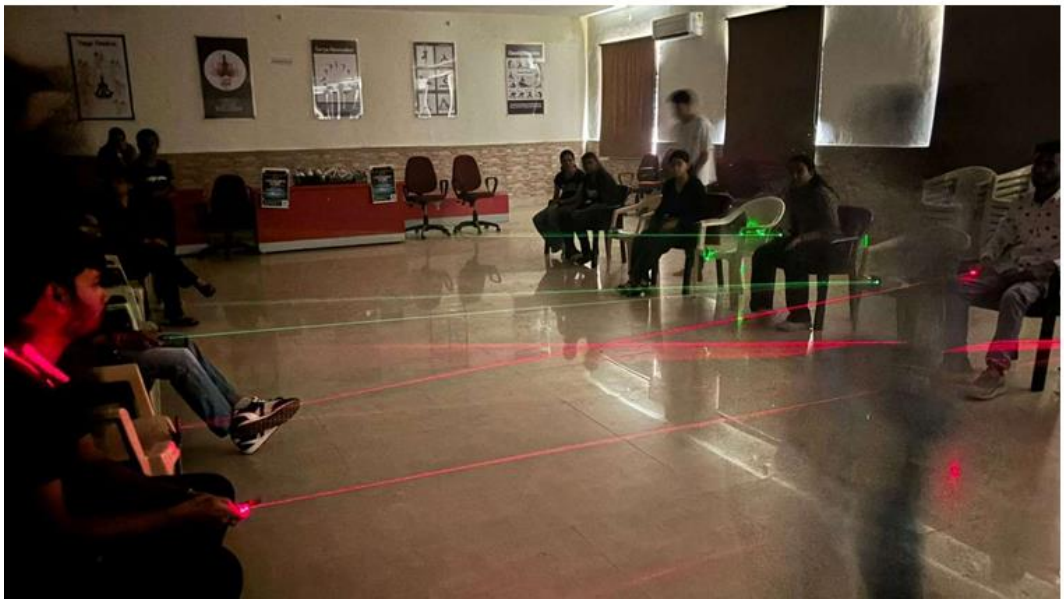
Name of the Faculty : Prof Shivangi Sharma

Program & Place : The "ChemLaser Quest" event took place on October 20, 2024, from 11:00 AM to 4:00 PM, Organized by the **Chemical Engineering Club**



माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA
Deemed University
(Declared under Distinct Category by Ministry of Education, Government of India)
NAAC ACCREDITED WITH A++ GRADE

CHEMICAL ENGINEERING CLUB



INNOVATION INTRODUCE

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 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 social their own time, at a place of their choice. SWAYAM is an initiative whose motive is 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, which facilitates transparency and continuity in the evaluation of students. Moreover, a student receives prompt results.

EDITORIALBOARD

Advisor: Dr. Shourabh Singh Raghuwanshi
Composed by: Miss. Sneha Bhikonde (0901CM221007)