

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



CHEMICAL ENGINEERING DEPARTMENT

Volume7/Issue 3

July 2024–Sept. 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

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.

**NPTEL /ATAL/
COURSERA/
INTERNSHALA
COURSE
ATTENDED BY
THEFACULTY**

Courses	NameofFaculty	DetailsofCourse
<p>NPTEL COURSES</p>	<p>Prof. Anish P. Jacob</p>	<p>1. Got Elite certificate in the 8 week NPTEL Course on “ Nanotechnology, Science and Applications” during July - Sept 2024 conducted by IIT Madras.</p>
	<p>Prof. Shivangi Sharma</p>	<p>1. NPTEL Online Certification ELITE in the 8 week course on “Energy Conversion Technologies (Biomass & Coal)”-July-Sep 2024 organized by IIT Guwahati</p>



Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



This certificate is awarded to
ANISH P JACOB
for successfully completing the course



Nanotechnology, Science and Applications

with a consolidated score of **65** %

Online Assignments	19.38/25	Proctored Exam	46.1/75
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Total number of candidates certified in this course: **91**

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

Jul-Sep 2024
(8 week course)

Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24MM29S449200035

To verify the certificate



No. of credits recommended: 2 or 3



Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



Skill India
कौशल भारत - कुशल भारत

This certificate is awarded to
SHIVANGI SHARMA
for successfully completing the course



Energy Conversion Technologies (Biomass and Coal)

with a consolidated score of **70** %

Online Assignments	22.5/25	Proctored Exam	47.25/75
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Total number of candidates certified in this course: 235

Jul-Sep 2024
(8 week course)

Prof. T. V. Bharat
Head, Centre for Educational Technolog
NPTEL Coordinator, IIT Guwahati



Indian Institute of Technology Guwahati



Roll No: NPTEL24CH48S136200213

To verify the certificate



No. of credits recommended: 2 or 3

**FDP/STC
ATTENDED
(OUTSIDETHE
INSTITUTE)**

Cours	NameofFaculty	DetailsofCourse
<p>FDP/STC ATTENDED BY NPTEL COURSE</p>	<p>Prof.AnishP.Jacob</p>	<p>1. Completed NPTEL-AICTE 8 weeks FDP Course on “ Nanotechnology, Science and Applications” during July - Sept 2024 conducted by IIT Madras.</p>
	<p>Prof Shivangi Sharma</p>	<p>1. NPTEL-AICTE 8 weeks FDP with consolidated score of 70% on “Energy Conversion Technologies (Biomass & Coal)- July-Sep 2024, organized by IIT Guwahati</p>



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

Nanotechnology, Science and Applications

with a consolidated score of **65 %**

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



(Jul-Sep 2024)

Roll No: NPTEL24MM29S449200035

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



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

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F.No. AICTE / RIFD / FDP through MOOCs / 2023

Department Events

Name of the Faculty: Prof Anish P Jacob, Prof Shivangi Sharma

Place & Programme: Deliverance of a programme entitled “Sky is not the limit!” on the occasion of ISRO Day in Govt Gorkhi School, Lashkar, Gwl (M.P) on 24th Aug 2024.





Name of the Faculty: Dr. M.K. Gaur, Prof Anish P Jacob, Prof. Swati Gupta , Dr. Shourabh Singh Raghuwanshi, & Prof Shivangi Sharma

Place & Programme: Deliverance of a programme entitled “2 day induction program for the newly joined 1st year students during 15th - 16th Sept 2024.in Department of Chemical Engineering, MITS-DU

Day 2 (15/09/2024)				
1	Information about:			
	• IMS & MOODLE	Dr. Shourabh Singh Raghuwanshi	11:30 AM – 12:00 noon	
	• Gender Awareness	Prof. Shivangi Sharma	12:00 noon – 12:15 PM	
	• Discipline & Code of Conduct	Prof. Anish P Jacob	12:15 PM – 12:30 PM	
	• NSS/NCC/Sports/Clubs/Students Chapters	Prof. Swati Gupta	12:30 PM – 01:00 PM	
	• Mentor-Mentee	Prof. Anish P Jacob	01:00 PM – 01:15 PM	
	Break			01:15 PM – 02:00 PM
	• Registration for Clubs	Club Coordinators & Student Team	02:00 PM – 02:30 PM	
	• Game & Cultural Activity		02:30 PM – 03:30 PM	
	• Institute Facilities Visit	Prof. Anish P. Jacob, Prof. Swati Gupta & Prof. Shivangi Sharma	03:30 PM – 04:30 PM	
	• Feedback	Prof. Anish P. Jacob	04:30 PM – 05:00 PM	





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. Khushi Tiwari (0901CM211006)