

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



CHEMICAL ENGINEERING DEPARTMENT

Volume 6 / Issue 1

JAN. 2023 – MARCH 2023

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.

**ACADEMIC
ACTIVITIES
(CONFERENCES
& SEMINARS)**

1. [One Day Poster cum Model Presentation]
Chemical Department in collaboration with Mechanical Engg. Deptt.
Dated: 23 March 2023
At Institute level College Level.

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.)
A Govt. Aided UGC Autonomous & NAAC Accredited Institute, Affiliated to R.G.P.V, Bhopal

DEPARTMENT OF MECHANICAL AND CHEMICAL ENGINEERING
in association with
SAEINDIA MITS COLLEGIATE CLUB

PRESENTS
MODEL AND POSTER PRESENTATION COMPETITION
THEME: "TECHNOLOGICAL INNOVATION FOR SUSTAINABLE DEVELOPMENT"

📅 02 March 2023, 10 AM
📍 Mechanical engineering department's Lawn
Participant: U.G,P,G students & Research scholars of any stream

Rules

- All the posters & models must be original.
- Posters & Models will be judged as relevant to content, theme, originality & presentation.
- Two minutes for presentation.
- Necessary items for display are to be brought by the participants.

- No registration fee
- E-Certificate will be given to all participants
- Winners will get Merit Certificates & Prizes

CONVENER
DR. M.K. GAUR

COORDINATORS:
PROF. VAIBHAV SHIVHARE & PROF. ANISH P. JACOB

FOR QUERIES CONTACT TO:-
ADITYA PAWAR-9669873723 DEERGHAA GUPTA-6388252306

✉️ TISD.MITS2023@GMAIL.COM 📷 SAEINDIA.MITS



**NPTEL/ATAL/IEN
RSALA COURSE
ATTENDED BY THE
FACULTY**

Courses	Name of Faculty	Details of Course
NPTEL COURSE	(Anish P. Jacob)	1. Got Elite certificate in 8 weeks NPTEL course on “Soft Nanotechnology”.



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



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

Soft Nano Technology

with a consolidated score of **62** %

Online Assignments	24.17/25	Proctored Exam	37.5/75
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Total number of candidates certified in this course: **30**

Jan-Mar 2023
(8 week course)

Prof. Debjani Chakraborty
Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CH19S45820096

To validate the certificate



No. of credits recommended: 2 or 3

**FDP/STC ATTENDED
(OUTSIDE THE
INSTITUTE)**

Courses	Name of Faculty	Details of Course
FDP/STC ATTENDED BY NPTEL COURSE	(Anish P. Jacob)	1. Got Elite certificate in 8 weeks FDP course on “ Soft Nano Technology”



**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

Soft Nano Technology

with a consolidated score of **62 %**


Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



(Jan-Mar 2023)

Roll No: NPTEL23CH19S45820096

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 24th July 2018, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18

**FACULTY
RECEIVED
AWARD/PRIZE**

Department	Name of the Faculty	Date	Details
Chemical Engineering	Anish P. Jacob	26 Jan. 2022,	Got certificate of Appreciation on 26th Jan 2023 for becoming NPTEL discipline star
	Dr. Rakesh Kumar Dubey	15 oct 2022	Certificate of Recognition for being Topper in a Course of NPTEL
	Dr. Shourabh Singh Raghuwanshi	26 Jan. 2022,	Got certificate of Appreciation on 26th Jan 2023 for becoming NPTEL discipline star





CERTIFICATE OF APPRECIATION TO

SHOURABH SINGH RAGHUWANSHI

Chemical Engineering

for being recognized as NPTEL DISCIPLINE STAR

JUL-DEC 2022

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

NPTEL DISCIPLINE STAR

Candidate has to be certified in courses of same discipline, completed more than 50 weeks of learning, final score in each subject >= 55



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 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.

EDITORIAL BOARD

Advisor: [Dr. Shourabh Singh Raghuwanshi]

Composed by: [Mr. Yash Triwari]