

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



CHEMICAL ENGINEERING DEPARTMENT

Volume 4 / Issue 4

July 2021 – November 2021

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.

**TALK
DELIVER
OUTSIDE THE
INSTITUTE**

1. Presented the article titled “ High stable tetraethylenepentamine-functionalized mesoporous silica for Co₂ capture” , 2nd international conference on waste , energy and environment “ ICWEE-2021” organized by centre for waste management , sathyabama Institute of sciences and technology Chennai.
By: Dr. Suneeta Kumari

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

**One-Day Online Workshop on "How to Conduct the Student Induction (SIP) Program" on 21 st September, 2021
Organized by AICTE**

1. **Attended 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 9 August, 2021 to 13 August, 2021.**

By: Prof. Swati Gupta

2. **Attended the FDP on “ Biomass Conversion & Biorefinery” from IIT Guwahati , August 2021**

By: Anish P. Jacob

3. **Attended the ACS-workshop on Key Scientific writing strategies for building a strong manuscript. 10 & 12 August 2021**

By: Dr. Suneeta Kumari

4. **Attended the RSC-IISER Desktop seminar with Chem comm. 06 August 2021**

By: Dr. Suneeta Kumari

**ACTIVITIES
ORGANIZED
(WORKSHOP/CO
NFERENCE/FDP/
STC/WEBINAR)
AT INSTITUTE
LEVEL**

Organized an interactive session on “Placement strategy for core chemical industry” on 8th August 2021.

By: Prof. Swati Gupta

**NPTEL/ATAL/
COURSERA/I
NTERNSHALA
COURSE
ATTENDED
BY THE
FACULTY**

**SECURED ELITE CERTIFICATE IN THE NPTEL COURSE “
BIOMASS CONVERSION & BIO REFINERY” IN AUG 2021**

By: Anish P. Jacob

**BOOK
CHAPTER/BO
OKS
PUBLISHED
WITH DOI
NUMBER IN
JULY-SEPT.
2021**

**Book chapter submitted and it’s under final review
Springer books**

By: Dr. Suneeta Kumari

**STUDENTS
ACHIEVEMEN
T IN
EXTRACURRIC
ULAR
ACTIVITY AT
NATIONAL OR
INTERNATION
AL LEVEL**

**Mr. Suvrat Mishra Secured Silver Medal in Senior
category in All India National Invitational Karate
championship on 4,5 September 2021**





CERTIFICATE

PROUDLY PRESENTED TO

Dr. Suneeta Kumari

RSC-IISER Desktop Seminar with ChemComm

Aug 6, 2021

Date of Completion

RSC Publishing Webinars

Organizer



This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21CH15S14510027

To
ANISH P JACOB
DEPT. OF CHEMICAL ENGG, M.I.T.S. GWALIOR
RACE COURSE ROAD, NEAR GOLA KA MANDIR
GWALIOR
MADHYA PRADESH - 474005
PH. NO :9993370276



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

ANISH P JACOB

for successfully completing the course

Biomass Conversion and Biorefinery

with a consolidated score of **69** %

Online Assignments	25/25	Proctored Exam	44.25/75
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Total number of candidates certified in this course: 176

Jan-Apr 2021
(12 week course)

Prof. Hemant B Kaushik
Head, Center for Educational Technology
NPTEL Coordinator, IIT Guwahati



Indian Institute of Technology Guwahati



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To validate and check scores: <https://nptel.ac.in/noc>



ACS Publications
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Dr.Suneeta Kumari

participated and successfully completed the Online workshop on
"Key Scientific Writing Strategies for building a strong Manuscript"
delivered by Prof. Osvaldo N. Oliveira Jr.,
on 10th & 12th August 2021.

Anand Singh
Associate Sales Director– India
ACS Publications

Prof. Osvaldo N. Oliveira Jr.
University of São Paulo, Brazil
Executive Editor - ACS Applied Materials & Interfaces



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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 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

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