

# MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE Gwalior (M.P.)



## CHEMICAL ENGINEERING DEPARTMENT

Volume 6/Issue 2

APRIL 2023 – JUNE 2023

### VISION

To be a leader in Chemical Engineering Education and Research by providing balanced learning and fostering research to enable the learner 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 techniques in order to excel and 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 and offers B.E. and M.Tech. courses in Chemical Engineering. The department was started with 30 students in undergraduate but later on realizing the importance and need for Chemical Engineers, intake capacity raised to 60 in 2013-14. M.Tech. 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.

1. [Poster Making Competition]

Organized by Chemical Department on the occasion of "World Book Day"

Dated: 23 April 2023

At Institute level College Level.


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

Celebrating World Book Day 2023

**POSTER  
MAKING  
Competition**

Theme  
"Books: Their Importance & Utility"

Participants can send their entries to  
on or before 12 Noon.



**Date :- 23rd April 2023**

(Participation certificate for all)

Faculty Coordinators  
Prof. Anish. P. Jacob  
Prof. Deep Kishore Parsediya

Student Coordinator  
Avinash Pali  
(9399849048)

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

Courses	Name of Faculty	Details of Course
NPTEL COURSE	<p>(Shivangi Sharma)</p> <p>(Swati Gupta)</p> <p>(Dr. Shourabh Singh Raghuvanshi)</p>	<p>1. Got Elite+Silver certificate in 12 weeks NPTEL course on "Biomass Conversion and Biorefinery".</p> <p>1. Got certificate in 12 weeks NPTEL course on "Biomass Conversion and Biorefinery"</p> <p>2. Got Elite+Silver certificate in 12 weeks course on "Physico-Chemical Processes for wastewater treatment"</p> <p>1. Got Elite certificate in 12 weeks NPTEL course on "Biomass Conversion and Biorefinery".</p>



Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



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



## Biomass Conversion and Biorefinery

with a consolidated score of **75** %

Online Assignments	23.44/25	Proctored Exam	51.75/75
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Total number of candidates certified in this course: **405**

Jan-Apr 2023  
(12 week course)

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



Indian Institute of Technology Guwahati



Roll No: NPTEL23CH33S63680779

To validate the certificate



No. of credits recommended: 3 or 4



# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**SWATI GUPTA**  
for successfully completing the course

## Biomass Conversion and Biorefinery

with a consolidated score of **58** %

Online Assignments	22.5/25	Proctored Exam	35.25/75
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Total number of candidates certified in this course: **405**

Jan-Apr 2023  
(12 week course)

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



Indian Institute of Technology Guwahati



Roll No: NPTEL23CH33S63680966

To validate the certificate



No. of credits recommended: 3 or 4



Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SWATI GUPTA**

for successfully completing the course



## Physico-chemical Processes for Wastewater Treatment

with a consolidated score of **75** %

Online Assignments	19.66/25	Proctored Exam	55.5/75
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Total number of candidates certified in this course: **338**

**Prof. Sanjeev Manhas**  
Coordinator, Continuing Education Centre  
IIT Roorkee

Jan-Apr 2023

(12 week course)

**Prof. Priti Maheshwari**  
NPTEL Coordinator  
IIT Roorkee



Indian Institute of Technology Roorkee



Roll No: NPTEL23CH30S43680858

To validate the certificate



No. of credits recommended: 3 or 4



Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SHOURABH SINGH RAGHUWANSHI**

for successfully completing the course

## Biomass Conversion and Biorefinery

with a consolidated score of **60** %

Online Assignments	23.75/25	Proctored Exam	35.87/75
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Total number of candidates certified in this course: **405**

Jan-Apr 2023

(12 week course)

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



Indian Institute of Technology Guwahati



Roll No: NPTEL23CH33S63680841

To validate the certificate



No. of credits recommended: 3 or 4

**FDP/STC  
ATTENDED(OUTSIDE  
THEINSTITUTE)**

Courses	Name of Faculty	Details of Course
FDP/STC ATTENDED BY NPTEL COURSE	(Dr. Shourabh Singh Raghuwanshi)	1. Got certificate in 12 weeks FDP course on "Biomass Conversion and Biorefinery"



**NPTEL-AICTE  
Faculty Development Programme**

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SHOURABH SINGH RAGHUWANSHI**

for successfully completing the course

**Biomass Conversion and Biorefinery**

with a consolidated score of **60 %**

  
Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras



(Jan-Apr 2023)

Roll No: NPTEL23CH33S63680841

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

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**STUDENT  
CLUBACTIVITI  
ESORGANIZED -**

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Department	Nameofthe Faculty	Date	Details
<b>ChemicalE ngineering</b>	AnishP.Jacob	8April 2023,	Eventnamed“Abhyuday3.0”involving“Alankrit”(C reative Writing Competition) and “SamparkManch”(GDandExtemporeCompetition ).



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**JOURNALISM SOCIETY MITS**

in collaboration with

**GLIMPSE OF GWALIOR**

presents

अभ्युदय  
**ABHYUDaya 3.0**



SCAN ME



A Creative Writing Competition

**ALANKRIT**

Priority in **NAVADHYAY** (Recruitment)



A GD & Extempore Competition

**SAMPARK  
 MANCH**

Priority in **NAVADHYAY** (Recruitment)

SCAN ME



**PERKS**



E-certificates  
 for all  
 participants



Prizes  
 for  
 winners

| MITS Gwalior

| 08 Apr 2023

| journalism.mits

| glimpse\_of\_gwalior

| journalismmits@gmail.com



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## INOVATIONINTRODUCE

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### ONLINEFEEDBACKUSINGMOODLE

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 multitudinous 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.

## **EDITORIALBOARD**

Advisor:

[Dr.ShourabhSinghRaghuwanshi]C

omposedby: [Mr.Shivam Yadav]

[Miss.KhushiShrivastava]