

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



CHEMICAL ENGINEERING DEPARTMENT

Volume8/Issue 1

Jan 2025–Mar 2025

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
THE FACULTY**

Coures	NameofFaculty	DetailsofCourse
NPTEL COURSES	Prof. Anish P. Jacob	1. Got Elite certificate in the 8 week NPTEL Course on “Solar Photovoltaics: Principles, Technologies and Materials” organized by IIT Kanpur during Jan - Mar 2025.
	Dr. Shourabh Singh Raghuwanshi	1. NPTEL Online Certification ELITE in the 8 week course on “Waste to Energy Conversion ”-Jan-Mar 2025 organized by IIT Roorkee.



Elite NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



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

Solar Photovoltaics: Principles, Technologies & Materials

with a consolidated score of **60** %

Online Assignments	16.5/25	Proctored Exam	43.5/75
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Total number of candidates certified in this course: **85**

Ratish

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jan-Mar 2025
(8 week course)

Satyaki

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL25MM27S639200094

To verify the certificate



No. of credits recommended: 2 or 3



Elite NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



This certificate is awarded to
SHOURABH SINGH RAGHUWANSHI
for successfully completing the course

Waste to Energy Conversion

with a consolidated score of **73** %

Online Assignments	22.46/25	Proctored Exam	51/75
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Total number of candidates certified in this course: **1132**

Ghosh

Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

Jan-Mar 2025
(8 week course)

Ranjana Pathania

Prof. Ranjana Pathania,
Professor (BSBE)
Coordinator (NPTEL)



Indian Institute of Technology Roorkee



Roll No: NPTEL25CH46S438900413

To verify the certificate



No. of credits recommended: 2 or 3

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

Coures	NameofFaculty	DetailsofCourse
FDP/STC ATTENDED BY NPTEL COURSE	Prof. Anish P.Jacob	1. Got FDP certificate for the NPTEL 8 weeks course on “Solar Photovoltaics: Principles, Technologies and Material” organized by IIT Kanpur during Jan-Mar 2025
	Prof. Shivangi Sharma	1. Five Days Online FDP on, “Advanced &Sustainable Manufacturing Technology” organized by Dept of Mechanical Engineering,OP Jindal University,Raigarh held from 6-10 Jan 2025
	Dr. Shourabh Singh Raghuwanshi	1. Got FDP certificate for the NPTEL 8 weeks course on “Waste to Energy Conversion ”-Jan-Mar 2025 organized by IIT Roorkee.
	Prof. Swati Gupta	1. Attended FDP on “IoT and Its Applications” organized by E&ICT Academy IT Guwahati held from 24th – 29th March, 2025 in association with Jaypee Institute of Information Technology (Hub), Madhav Institute of Technology & Science (Spoke) and IMS Engineering College (Spoke) and support from UniConverge Technologies Pvt. Ltd.



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

Solar Photovoltaics: Principles, Technologies & Materials

with a consolidated score of 60 %


Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



(Jan-Mar 2025)

Roll No: NPTEL25MM27S639200094

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



OPJU



Certificate of Participation

This is to certify that

SHIVANGI SHARMA

has actively participated in the five days Faculty Development Program (FDP) on

Advanced and Sustainable Manufacturing Technology

organized by Department of Mechanical Engineering, O. P. Jindal University, Raigarh
held from 06- 10 January, 2025

his Faculty Development Program was designed to enhance knowledge and skills in the
field of sustainable practices in manufacturing technology

We acknowledge your dedication and commitment to professional development and
contribution towards the advancement of education


Dr. Mukesh Desai
Convener


Dr. Ravindra Singh Saluja
Convener


Dr. Mahesh Bhiwapurkar
Chairman


Dr. R.D. Patidar
Patron

Certificate ID: OPJU/FDP/2025/0160



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

Waste to Energy Conversion

with a consolidated score of **73 %**

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



(Jan-Mar 2025)

Roll No: NPTEL25CH46S438900413

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.
E.No. AICTE / RIED / FDP through MOOCs / 2023



Ref. no: EICT/P-II/NKN/24-25/017/116

Electronics & ICT Academy
Indian Institute of Technology Guwahati
Supported by Ministry of Electronics and Information Technology (MeitY), Govt. of India

Certificate of Participation

This is to certify that

Prof. Swati Gupta

of **Madhav Institute of Technology and Science, Gwalior**

has participated in One-Week Faculty Development Programme on **"IoT and Its Applications"** organized by E&ICT Academy IIT Guwahati held from 24th – 29th March, 2025 in association with Jaypee Institute of Information Technology (Hub), Madhav Institute of Technology & Science (Spoke) and IMS Engineering College (Spoke) and support from UniConverge Technologies Pvt. Ltd.

Prof. Gaurav Trivedi
PI, E&ICT Academy
Indian Institute of Technology
Guwahati

Prof. Shweta Srivastava
Dear (A&R)-II and HOD ECE
Jaypee Institute of Information Technology
Noida

Dr. Manjaree Pandit
Dean, FoET
Madhav Institute of Technology & Science
Gwalior

Prof. (Dr.) Shailesh Tiwari
Director
IMS Engineering College
Ghaziabad

Mr. Kaushendra Singh Sisodia
Director
UniConverge Technologies Pvt. Ltd.
Noida

Department Events

Name of the Faculty: Prof. Shivangi Sharma

Place & Programme: Expert Lecture under Gaps in Teaching-Learning activity dated 13th Feb 2025 on "ASPEN PLUS: From Fundamental Simulations to Advanced DMC Applications"





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



Gwalior, Madhya Pradesh, India
66j4+gg2, Mela Ground, Thatipur, Gwalior, Madhya Pradesh
474011, India
Lat 26.231369° Long 78.205954°
13/02/2025 12:04 PM GMT +05:30



माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत
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Gwalior, Madhya Pradesh, India
66j4+gg2, Mela Ground, Thatipur, Gwalior, Madhya Pradesh
474011, India
Lat 26.231369° Long 78.205954°
13/02/2025 12:04 PM GMT +05:30

Name of the Faculty: Prof. Shivangi Sharma

Place & Programme: Expert lecture for first year Chemical Engineering Students under Gaps in Teaching Learning activity dated 6th march 2024 on “Process Simulation in Chemical Engineering: Applications and Insights with DWSIM”





माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA

Deemed University

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NAAC ACCREDITED WITH A++ GRADE



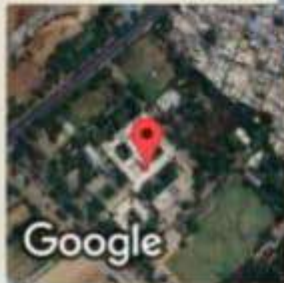
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Gwalior, Madhya Pradesh, India

66j4+gg2, Mela Ground, Thatipur, Gwalior, Madhya Pradesh
474011, India

Lat 26.231384° Long 78.205952°

06/03/2025 12:37 PM GMT +05:30



Google

FACULTY RECEIVED AWARD/PRIZE

Name of the Faculty: Prof. Shivangi Sharma

Activity: Meritocracy award on MITS Day for:

1. Being among 5% topper of NPTEL course, "Biomass Conversion & Biorefinery" in Jan-April 2023



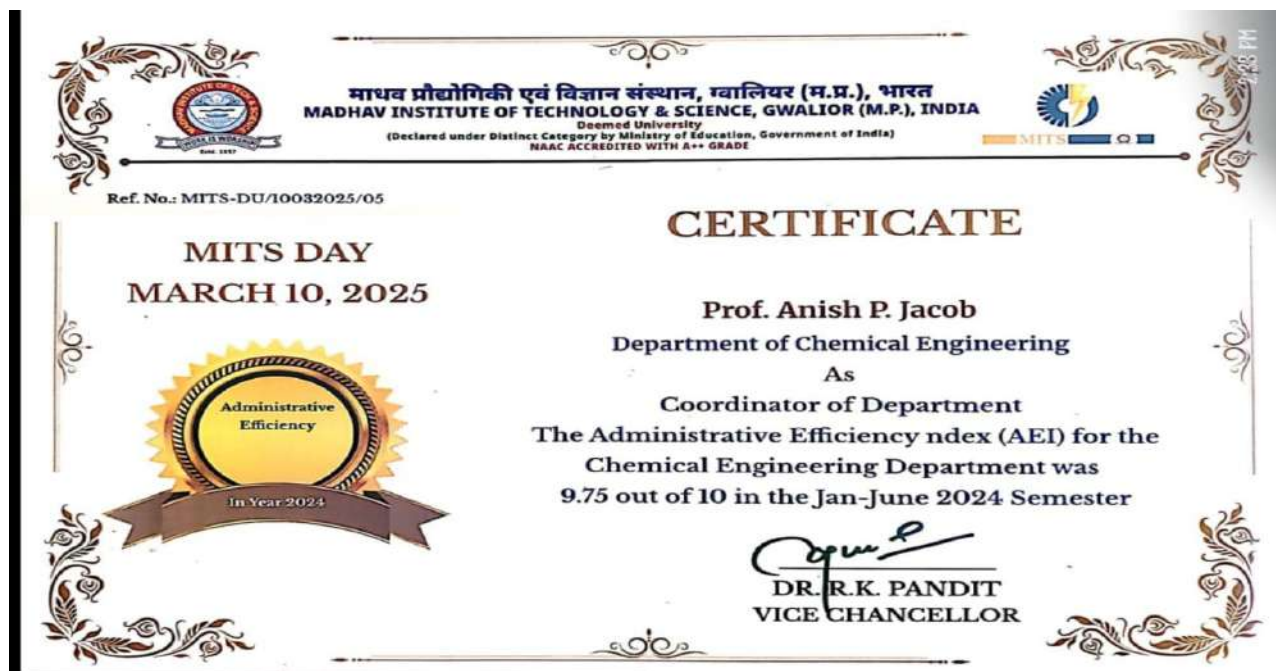
2. Third prize for mentorship of skill based mini project on Vapour Liquid Equilibrium.



Name of the Faculty: Prof. Anish P. Jacob

Activity: Meritocracy award on MITS Day, 10.03.2025 for:

1. Administration Efficiency Index (AEI) of 9.5 & 9.75 out of 10 for the Jan -June 2023 & Jan – June 2024 sessions.



2. Being among 5% topper of NPTEL course, “Energy Conversion Techniques (Biomass & Coal)” in July -Sept 2023)



3. Third prize for mentorship of skill based mini project on Thermal Conductivity of Metal Rod during July – Dec 2024.



Name of the Faculty: Prof. Swati Gupta

Activity: Meritocracy award on MITS Day for:

Meritocracy award on MITS Day, 10.03.2025 for:

1. Being Recognized as NPTEL Discipline star



EDITORIALBOARD

Advisor: Dr.Shourabh Singh Raghuwanshi

Composed by: Miss. Sneha Bhikonde (0901CM221007)