

REGISTRATION FORM

AICTE-QIP Short Term Course On Environmental and Energy Engineering

6-10 March, 2019

Name:

Gender:Age.....

Designation:

Department:

Organization:

Address:

.....

Tel/Fax.....

Mobile No.:

E-mail:

Accommodation: Required / Not Required

(Signature of the Applicant with date)

Sponsorship Certificate

It is certified that our institute is recognised by AICTE. The applicant is hereby sponsored and will be permitted to attend the above short term course, if selected.

Date: Signature & Seal
of the sponsoring authority

Note:

1. Photocopies of this form can be used.
2. Scanned copy of registration form can also be sent by email

REGISTRATION

Teachers of AICTE recognised engineering institutions are eligible to apply for the course. Participants will be given course material. Accommodation will be arranged on request on 'First Come First Serve' basis to the outstation participants. The number of participants is limited to 30 for the course. Since funds are limited, it may not be possible to admit many outstation candidates. Merit and availability of funds will be taken into consideration while selecting candidates. The interested candidates need to apply on the prescribed format by the due date at the following address.

Last date of receiving completed application forms is **25 February, 2019**. The candidate will be informed of his/her selection in advance via email.

Financial Assistance

There will be no registration fee for the participants. Free boarding and lodging will be arranged in the Institute Hostels/ Guest House or Hotels. Reimbursement towards TA/DA will be made to participants attending the course in full.

ORGANISING COMMITTEE

Coordinators

Dr. Chandra Shekhar Malvi, Head, ChED

Prof. Sumint Singh Trivedia, Asst. Professor, ChED

Email: sumint.mits@mitsgwalior.in Mob: 9425779120

Co-ordinators

Prof. Swati Gupta, Assistant Professor, ChED

Email: swatig128@mitsgwalior.in Mob: 9977820544

Prof. Anish P. Jacob, Assistant Professor, ChED

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Mob: 9425779120; 9977820544; 9993370276

AICTE-QIP sponsored



One Week Short Term Course On

Environmental and Energy Engineering

(STC-EEE)

6-10 March, 2019



Estd. 1957

Organised by
Chemical Engineering Department

Madhav Institute of Technology & Science
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV,
Bhopal, M.P.)

Race Course Road, Gole ka Mandir,
Gwalior-474005

----- www.mitsgwalior.in -----

ABOUT MITS

Madhav Institute of Technology and Science (MITS), Gwalior was established by His Highness Late Sir Jiwaji Rao Scindia, Maharaja of Erstwhile State of Gwalior, with an aim to create world class quality Engineers and technocrats capable of providing leadership in all spheres of life and society. Founded as Madhav Engineering College in 1957 with three UG programmes, this temple of learning is now over **60 years old**. Since its inception, the institute has constantly strived for excellence and quality. Today the institute offers nine UG programmes along with research programmes leading to Masters degree in eighteen specializations and Ph.D. in various technical streams. Various departments of the institute have well equipped laboratories and experienced faculty. The institute is a minor QIP centre for **Ph.D. programmes in five disciplines**. The institute is also funded by World Bank under TEQIP phase III to strengthen the quality of technical education.

ABOUT THE DEPARTMENT

The Department of Chemical Engineering is established in 1995 with undergraduate program. The department has also started PG programme in chemical engineering, since 2013. The course faculty is actively engaged in research and has published numerous papers in National and International journals. The alumni of the department have secured their places in the higher echelons of the society and technical world.

VISION & MISSION

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:

1. Develop research culture and create a platform to disseminate research and development.
2. Promote pedagogy and ethics in academia and research and deliver quality technical education.
3. Share state of art knowledge and facilities and enable optimal utilization of the resources in the region.

PREAMBLE

Environmental engineering is the branch of engineering concerned with the application of scientific and engineering principles for protection of human populations from the effects of adverse environmental factors; protection of environments, both local and global, from potentially deleterious effects of natural and human activities; and improvement of environmental quality. It involves waste water management, air pollution control, recycling, waste disposal, radiation protection, industrial hygiene, animal agriculture, environmental sustainability, public health and environmental engineering law.

Energy engineering is a broad field of engineering dealing with energy efficiency, energy services, facility management, plant engineering, environmental compliance and alternative energy technologies. Energy engineers apply their skills to increase efficiency and further develop renewable sources of energy. The main job of energy engineering is to find the most efficient and sustainable ways to operate buildings and manufacturing processes. Energy engineers audit the use of energy in those processes and suggest ways to improve the systems. Although Energy engineering is concerned about obtaining and using energy the most environmentally friendly way, the field is not limited to strictly renewable energy like hydro, solar, biomass, or geothermal. Energy engineers are also employed by the fields of oil and natural gas extraction.

COURSE CONTENTS

- Introduction to Environmental and Energy Engg.
- Importance to clean Environment and Energy.
- Environmental Challenges & Sustainable Solutions.
- Balanced Ecology and Environment.
- Sustainable Energy resources.
- Novel Engineering Solutions
- Emerging Energy efficient Technologies.
- Global Issues of environmental concern and their Impacts



FACULTY

The faculty for the short term course will be mostly from reputed educational and research organisations. Also the institute has qualified and experienced faculty.

LOCATION

Gwalior city has major road and rail connection. The Institute is located on Agra-Bombay Road (NH-3) and is approximately 320 KM from Delhi. Most of the south bound trains from Delhi stop at the Gwalior station. The institute is located in the heart of city and is at a distance of about 2 km from Gwalior Bus Stand/ Gwalior Railway Station.