About the Institute

The Institute was established in 1963 with the name Malaviya Regional Engineering College, Jaipur. The campus spreads over 317 acres of lush green area in the central location of Jaipur city and is imaginatively laid-out with a picturesque landscape. On June 26th, 2002, the college has given the status of the National Institute of Technology by the Government of India under the aegis of the Ministry of Human Resource Development (MHRD), New Delhi and on 15th August 2007 proclaimed 'Institute of National Importance' through the act of Parliament-2007. The Institute is fully funded by the MHRD, Government of India. Malaviya National Institute of Technology is one of the premier NITs of India. The Institute offers undergraduate and postgraduate (B.Tech., B.Arch., M.Tech., M.Arch., M.Sc., MBA, and Ph.D.) programs to about 5000 students in the leading field of Engineering, Technology, Architecture, Management, and Sciences. MNIT Jaipur ranked at 35th position in NIRF 2020 Ranking.

About the Department

The Department of Chemical Engineering commenced in the year 1988. The PG programmes of M.Tech. and Ph.D. in chemical engineering was started in the year 2006 and 2004, respectively. The current sanctioned strength of B.Tech. and M.Tech program is 96 and 30, respectively. The department is well equipped with undergraduate laboratories and research facilities. The curriculum has been designed to meet the programme goals and objectives that lay more stress on learning under the guidance of a vibrant and highly qualified faculty.

Organizing Committee

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AICTE Training and Learning (ATAL) Sponsored Online Faculty Development Programme On

Recent Trends in Green Technology for Clean Energy Production

(4th-8th January 2021)

Organized By

Department of Chemical Engineering and IIC

Malaviya National Institute of Technology, Jaipur, Rajasthan, India

About the Course

This course will provide the critical appraisal and overview of the various aspects of green technology for for sustainable cleaner energy production to mitigate pollution and minimize waste generations. It will help participants understand the newer and novel cleaner technologies that have gained much attention in recent years. Major areas which may be covered are: Recent advances in desulfurization and denitrogenation to produce BS-VI clean fuels; Scope and challenges of oxygenated fuel additive production to mitigate harmful emission from IC engines; Extent of alternative fuels for emission control; Solar energy harvesting for cleaner energy; Valorization of waste resources into value-added fuels/chemicals; gasification of biomass to fuel; Recent advances in hydrogen production and fuel cell, etc.

The training methodology includes classroom lectures, group discussions, and case studies.

Benefits Offered to Participants

- ✓ The FDP registration is free for all participants from AICTE approved institutes i.e. faculty, PG, and Ph.D. Scholars and participants from government organizations.
- ✓ The FDP will be conducted in online mode using a suitable platform. Successfully completed attendees can get a valid e-certificate from the AICTE portal.
- ✓ The attendees can develop & teach an open elective course on green technologies for clean energy production which one of the thrust areas identified by AICTE peer committee.
- ✓ The lectures will be delivered from a pool of resource persons from leading prestigious academic institutions.

About ATAL

AICTE Training and Learning (ATAL) Academy is established with the vision "To empower faculty in thrust areas to achieve goals of Higher Education such as access, equity, and quality." ATAL academy conducts a series of workshops in nine identified thrust areas.

Course Objective

- ➢ This FDP is designed to address recent progress in the area of clean energy production.
- ➢ This course will offer unique platforms to the scientists of R & D sectors, practicing engineers, academicians, and research scholars working in the relevant areas through theoretical and practical sessions.
- ➢ This FDP is designed to cover various topics of green technologies for clean energy production.

Target Audience

- ➢ The faculty members of the AICTE approved institutions, PG/research scholars, participants from Government (Bureaucrats/Scientists), Participants from Industry, and host institute staff.
- ➢ Since the number of seats is limited to 200, and the selection will be made on first cum first serve basis, and intimation will be sent to the participants by Email.

How to Register

- ➢ Interested participants may apply through the online registration link: https://atalacademy.aicte-india.org/signup on or before December 15th, 2020.
- ➢ Certificate will be issued to those who attend all the sections and qualify in the test conducted at the end of the program.

Resource Persons

Prof. K.K. Pant, IIT Delhi
Prof. Vimal Chandra Srivastava, IIT Roorkee
Prof. R.S. Singh, IIT BHU
Prof. J. Mathur, MNIT Jaipur
Prof. Dilip Sharma, MNIT Jaipur
Prof. B.Rajmohan, NIT Karnataka
Dr. N. Viswanadham, IIP Dehradun
Dr. N. Lingaiah, IICT Hyderabad
Dr. Madhu Agarwal, MNIT Jaipur
Dr. J.P. Chakraborty, IIT BHU
Dr. Vivekanand, MNIT Jaipur
Dr. V. Subbaramaiah, MNIT Jaipur
Dr. Kapil Pareek, MNIT Jaipur
Dr. Vijayalakshmi Gosu, MNIT Jaipur
Dr. Meena Nemiwal, MNIT Jaipur

Schedule

Date/Time	10.00 AM-11.30 AM	12 Noon-1.30 PM	3.00 PM-4.30 PM
04/01/21	SESSION-I	SESSION-II	SESSION-III
05/01/21	SESSION-I V	SESSION-V	SESSION-VI
06/01/21	SESSION-VII	SESSION-VIII	SESSION-I X
07/01/21	SESSION-X	SESSION-XI	SESSION-XII
08/01/21	SESSION-XIII	SESSION-XIV	SESSION-XV

Address for Communication

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