

ABOUT MNIT

Malaviya National Institute of Technology (MNIT), Jaipur is fully funded institute under Ministry of Education (Shiksha Mantralaya), Government of India. Malaviya National Institute of Technology Jaipur (Deemed University) is one of the premier NITs, designated with the status of "Institute of National Importance". The institute was established in 1963, and its campus spread over 325 acres of lush green area in the central location of Jaipur city. The institute offers undergraduate and postgraduate courses (B.Tech, M.Tech./ MBA/ M.Sc. & Ph.D.) to about 5000 students, in leading fields of engineering, technology, architecture, management & sciences. Through the internationally renowned faculty, laboratories with state-of-the-art equipment's and excellent infrastructure, the institute is actively engaged in research, consultancy and developmental activities, besides imparting regular teaching.



PATRON

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**Malaviya National Institute of
Technology, Jaipur**

Announces

**TEQIP-III Sponsored Five Day
Online Short-Term Course
on
Recent Advances in
Renewable Energy Systems
and Microgrid**

during

March 15-19, 2021

Organized by:

**Department of Electrical Engineering
Malaviya National Institute of Technology
Jaipur, Rajasthan, 302017, India**

www.mnit.ac.in



DEPARTMENT OF ELECTRICAL ENGINEERING

The Department is one of the oldest departments of the institute, offering a fine blend of experience and innovation in teaching. Presently it is offering an undergraduate programme in Electrical Engineering and three postgraduate programmes in Power System Engineering, Power Electronics and Drives and Power System Management. M.Tech in power system management (PSM) is one of its kind program established in 2018 for capacity building in areas of Regulatory, markets, and managerial issues of evolving power sector. Presently the program has 35 registered students. The department is a home to over 50 research scholars, pursuing their Ph.D. in varied fields of Electrical Engineering. The department provides a life-long learning experience, through its state of art laboratories, a vast pool of courses, and industry orientation. Having strong collaborative framework with reputed universities in India and abroad, the department offers ample opportunities for individual growth.

CONTACTS

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COURSE CONTENTS

The major tentative topics to be covered are as follows

1. Control Issues in DC Microgrid
2. Microgrid: Small Signal Stability and Control
3. Analysis And Design of Wireless Inductive Power Transfer Systems for Convenient Battery Charging
4. Solar Resource Assessment for PV Power Projects
5. Recent Trends in Power Electronic Converters and Electric Drives
6. Design Aspects of Solar Water Pumping Systems
7. Multilevel Inverter and its Applications
8. Advanced Solar Energy Conversion Systems
9. MPPT Algorithms for Solar PV System
10. Distribution System Operation under Renewable Integration

RESOURCE PERSONS

The course content will be delivered from a pool of experts on the subject from IITs/NITs, industries and other institutes of reputation.

WHO SHOULD ATTEND

Undergraduate and postgraduate students, Research scholars, Faculty members and delegates from industry.

The registered candidate would be individually informed about the detailed schedule of the online STC and online link to join the lectures.

All the participants who attend the course will be awarded e-certificate of participation.

SELECTION PROCESS

A limited number of seats will be there on first-cum-first-serve basis. Selected candidates will be intimated about detailed schedule of the program through email only.

REGISTRATION

The interested candidate may register by paying the eligible course fee and filling the google form at following link:

<https://forms.gle/NwUZoxMCD85gpzWA9>

Registration Fee (Inclusive of 18% GST)

MNIT Students/ Research scholars	Rs 118/-
Students/ Research scholars of other institute	Rs 236/-
Faculties	Rs 590/-
Industry delegates and any other participants	Rs 1180/-

The registration fee should be paid using digital mode to the following account. The payment receipt will be required to be uploaded during the online registration.

Bank Details

Bank Name: State Bank of India (SBI)
Account Name: The Registrar MNIT, Jaipur (TEQIP Phase-III)
Current Account No: 36875887782
IFSC Code: SBIN0015921
Branch: MNIT Campus, Jaipur

