

NATIONAL WORKSHOP ON "RECENT RESEARCH TRENDS AND FUTURE RESEARCH DIRECTIONS IN SOLAR ENERGY TECHNOLOGIES" ORGANISED BY NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI UNDER THE AEGIS OF AICTE-MARGDHARSHAN SCHEME

NATIONAL INSTITUTE OF TECHNOLOGY-TIRUCHIRAPPALLI

The National Institute of Technology Tiruchirappalli (NIT-T) (formerly known as Regional Engineering College). Tiruchirappalli, situated in the heart of Tamil Nadu on the banks of river Cauvery, was started as a joint and co-operative venture of the Government of India and the Government of Tamil Nadu in 1964 with a view to catering the needs of man- power in technology for the country. The college has been conferred with autonomy in financial and administrative matters to achieve rapid development. Because of this rich experience, this institution was granted Deemed University Status with the approval of the UGC/AICTE and Govt. of India in 2003 and renamed as National Institute of Technology.

National Institute of Technology Tiruchirappalli is one of the 31 National Institutes of Technology established by the Government of India. NIT-T is ranked top among 31 NITs in India and is presently occupying 9th position in NIRF ranking 2020, among all engineering education institutes in India. The Institute aims at benchmarking with global universities who are in the top 200 in world rankings in terms of teaching, innovation and research, funding and internationalisation.

AICTE – MARGDHARSHAN SCHEME

AICTE - All India Council for Technical Education was established in 1945 by the Government of India. The organization was set up as an Apex Advisory Body to conduct survey on facilities on technical education and to promote and develop technical education in the country. National policy of Education (1986) defines AICTE as the statutory authority for planning, formulation and maintenance of norms and standards, quality assurance through accreditation, funding in priority areas, monitoring and evaluation, maintaining parity of certification and awards, and ensuring coordinated and integrated development and management of technical education in the country.

Margdharshan Scheme is all about Mentoring the institutes by a well performing Institute. The Hub 'n Spoke system is to be established by an Institute of repute as a Mentor within an existing facility to serve as the hub to guide and disperse knowledge to ten technical institutions to encourage best practices. The secondary branches, the spokes, are additional services provided to faculty for self-improvement.

National Workshop on

"RECENT RESEARCH TRENDS AND FUTURE RESEARCH DIRECTIONS IN SOLAR ENERGY TECHNOLOGIES"

18TH -22ND MAY, 2021

ORGANISED BY



**National Institute of Technology
Tiruchirappalli**

Under the aegis of



AICTE Margdharshan Scheme

**VENUE
WEBEX ONLINE PLATFORM**

SCOPE OF THE WORKSHOP

This workshop is designed to enlighten the researchers on topics related to future trends and research directions in solar energy technologies. An estimate published by World Energy Council found that solar energy has a global potential of 1,600 to 49,800 exajoules (4.4×10^{14} to 1.4×10^{16} kWh) per year. The Future of Solar Energy considers only the two widely recognized classes of technologies namely Photovoltaics and Solar thermal – in their current and plausible future forms. Hence, this workshop provides a thorough introspective in Solar energy applications to enhance its efficiency/economy to cater the energy requirements of the society.

COURSE CONTENT

- Solar Desalination, Solar Photocatalytic Waste Water Treatment, Solar Thermal Energy for Energy Efficient Buildings, Solar Heat Storage Systems, Solar Dryers, Solar Fuels etc...
- Maximum Power Point Tracking, Solar PV Mirroring, Solar Tracking, Panel Cooling, Soiling Effects, Bifacial PV Panels etc...

TARGET AUDIENCE

Research scholars/Undergraduate and Post graduate students/Faculty members/Scientists from industry and research Institutes. The maximum number of participants is restricted to about 100. E-Certificates will be provided.

MODE OF DELIVERY AND REGISTRATION

- The registration fee is waived for participants from mentee institutions.
- Registration fee for participants from other institutes is Rs. 250/- (including 18% GST).
- The lectures will be delivered by eminent faculty from IITs, NITs, Research Organisations, Government Departments etc. through WEBEX and the link will be sent to the registered participants through email.

MODE OF PAYMENT

The participants are requested to transfer the registration fee through i-collect to the following account:

Name of the A/C: DIRECTOR, NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI-15

Account No : 10023883064
IFSC Code : SBIN0001617
MICR Code : 620002009
Branch Code : 01617
Type of A/c : Savings
Bank : State Bank of India
Branch : NIT Tiruchirappalli

CO-ORDINATORS

Dr. K. N. Sheeba, Associate Professor,
Department of Chemical Engineering

Dr. Sishaj P Simon, Associate Professor,
Department of Electrical and Electronics Engineering

Email for Correspondence: nitaictemarg@gmail.com

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REGISTRATION FORM

1. Name (in block letters): _____

2. Designation: _____

3. Organization: _____

4. Address for Communication: _____

5. Mobile No: _____

6. E-mail id: _____

Registration category (Tick the boxes as per your category).

Delegate from Mentee Institution

Other than Mentee Institution

Enclosed Payment Details

/Proof/Receipt copy:

Signature with Date

Important Dates

Submission of application form through Email: 15th May 2021

Intimation of Selected Candidates through Email: 16th May 2021

Kindly email the soft copy of the registration form & the payment proof to the following Email id: nitaictemarg@gmail.com