

Registration Form

**ONE DAY
WORKSHOP
ON
NET ZERO ENERGY BUILDINGS
(Under TEQIP-III)
(20th March, 2018)**

1. Name:
2. Gender:
3. Designation: Department.....
4. Organization:
5. Correspondence address:
.....
- Mobile. No.:
- E-mail:
6. Qualifications:
7. Teaching/Research Exp. (Years):.....
8. Area of Research:
.....
9. Registration fee details:
 - (i) Amount:
 - (ii) Demand Draft details:
 - a) Date:
 - b) Number:
 - c) Issuing Bank:

(Signature of the Applicant with date)

(Signature & Seal of Head of Department/Institute with date)

Note: Photocopies of this form can be used.

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Dr. M. K. Gaur Professor, Mechanical Engineering
Department

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Prof. & Head, Mechanical Engineering
Prof. & Head, Electrical Engineering
Prof. & Head, Electronics Engineering
Prof. & Head, CSE & IT
Prof. & Head, Computer Application
Prof. & Head, Architecture
Associate Prof. & I/c Head, Chemical Engg
Prof. & Head, Applied Sciences
Coordinator, Biotechnology

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**Celebrating Diamond Jubilee: 60th year of a
TECH-XTRAORDINARY Journey**

Organized by

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

(Accredited by NAAC)

(A Govt. Aided UGC Autonomous Institute Affiliated to RGPV, Bhopal)
Gole ka Mandir, Gwalior-474005

About the Institute

Madhav Institute of Technology & Science (MITS) was established in 1957 by His Highness Late Sir Jiwaji Rao Scindia, Maharaja, of the erstwhile state of Gwalior. The foundation stone of the institute was laid by Late Dr. Rajendra Prasad on 20th October 1956 and the building was inaugurated by Late Dr. S. Radhakrishnan on 11th December, 1964. The President of India, Dr. Pratibha Devi Singh Patil graced the Golden Jubilee celebration of the Institute as Chief Guest on 20th June, 2008. MITS has its own lush green campus spreaded over 45 acres in city of rich heritage. The campus is about 3 kms from Gwalior railway station and 4 kms from airport. The Institute offers education in eleven undergraduate programmes, eighteen PG programmes and has a QIP centre for Ph.D. The prime objective of the Institute is to provide quality education in engineering and technology and to conquer this venture; the Institute has taken several initiatives by developing infrastructure and skills of faculty, staff and students from the fund given by World Bank under TEQIP-III.

About Speaker

Prof. Roshni Udyavar Yehuda is Vice President, Sustainability, ICMQ Certification India Pvt. Ltd. and Advisor, Environment & Sustainability, Science & Technology Park, Pune. She was Head of the Rachana Sansad's Institute of Environmental Architecture, Mumbai, India (2003- 2017); She is a Bureau of Energy Efficiency

(BEE) certified Master Trainer and empanelled energy efficiency expert professional.

Aim and Scope of the Workshop

The new recast of the Energy Performance of Buildings Directive (EPBD) calls for all new buildings to be nearly zero energy buildings by 2020 and two years prior to that for new public buildings. The rest of the energy is to be covered by renewable sources. Achieving the above mentioned targets is quite challenging. In order to fulfil the requirements for a Net Zero Energy Building (NZEB), it is to find the answers to the following question: What are the “best” components to be used in the building (materials of constructions, windows, airtightness, insulation thickness, day lighting .vs. artificial lighting, shading type, etc), in the Heating, Ventilating and Air Conditioning (HVAC) systems (type of systems and equipments) and in the energy supply (including options for on-site renewable energy sources)? Those “best” components used to fulfil the energy target should not impose very high investment costs; otherwise the concept will not be economically viable. In addition, those best solutions will be different according to different definitions of the NZEB Concepts (e.g. NZ Site- Energy Buildings, NZ Primary Energy Buildings, NZ CO₂ Emission Buildings, NZ Cost Buildings, etc). This leads us to think about: how to find the “best” components since there many targets to be achieved related to energy, cost, indoor-air comfort etc?

The workshop is focussed on following areas namely:

- Net Zero Site Energy
- Net Zero Source Energy

- Net Zero Energy Costs
- Net Zero Energy Emission
- Grid Connection And Net Zero
- Exemplary building design to minimize energy requirements
- Renewable energy systems that meet these reduced energy needs

Registration

The workshop is open to faculty members, research scholars and industry personals.

Registration Fees

Faculty members:	Rs.500
Industry personnel:	Rs.750
Research Scholar:	Rs. 300

No fees for TEQIP –III and AICTE approved Technical Institutions

How to Register

The participants may register by sending the completed and duly signed ‘Registration Form’ along with the Demand Draft in favour of ‘*Director, MITS, Gwalior*’ payable at Gwalior by 18 March 2018 through post or email. Those who will send scanned copy of DD should come with original DD at the time of workshop.