

GUJCOST Sponsored

Building Energy Efficiency: An Approach Towards Sustainable Development

**5 Days Short Term
Online Training Programme**

28-01
December-January
2020-21

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Registration Last date
25th December 2020



Civil, Mechanical & Electrical Engineering Department

Indus Institute of Technology and Engineering (IITE)

About the Indus University

Indus University (UGC recognized) is one of the leading universities in Gujarat. It aims to bring social changes with education, skill development, research and innovation. We provide diverse opportunities for students and faculties to improve their knowledge and skills to be successful in today's world.

Indus University was founded under the state government ordinance and is promoted by Bhandari Charitable Trust. It is situated on the western side of Ahmedabad. The university is well connected with the city through different transportation modes. Indus University offers UG, PG and Doctoral degree programme in diverse disciplines of engineering. It has seven constituent institutes.

- Indus Institute of Technology and Engineering
- Indus Institute of Management Studies
- Indus Institute of Special Studies
- Indus Institute of Sciences Humanities & Liberal Studies
- Indus Institute of Faculty Training & Development
- Indus Institute of Design Environment and Architecture
- Indus Technology & Smart Solution Centers

About IITE

IITE (Indus Institute of Technology and Engineering) is the pioneer institute of INDUS UNIVERSITY. The institute offers UG, PG and PhD programs in EL, EC, ME, CE, CSE, IT, AUTO, Civil Engineering and Aviation Technology. The institute is established with a view to promote excellence in engineering education and to prepare the young talent to meet challenges of engineering and technology.



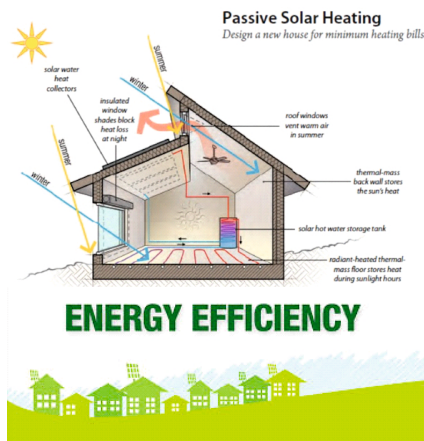
About STTP

India being the second largest populated country in the world, Energy Crisis is one of the main challenges to be achieved for demand of future generation, its management is mainly focused with either reducing consumption or regeneration. Buildings being one of the major sources of energy consuming assets in form of electricity and water especially, needs a sustainable solution towards energy management. Buildings need active and passive means of controls and mechanisms to achieve controlled and reduced energy consumption.

A right direction of choosing a sustainable material of construction and managing energy requirements for heating, cooling, lighting, ventilations, equipment, and auxiliary systems will result in more energy efficient buildings. Indoor environment quality control and management will help additionally to form more sustainability in designing.

Resource Persons

- Dr.-Ing Anupam Kumar Singh, Director-IITE
- Dr. R. N. Patel, Associate Director, Nirma University
- Dr. Indrajit mukhopadhyay, PDPU, Gandhinagar
- Dr. Sisir Kumar Nayak - IIT, Guwahati
- Dr. Shivaraj Dhaka, Counsellor, CII -GBC
- Mr. Ram Joshi, ENY, Gurgaon
- Mr. Rajan Modha - Ohm Encon Pvt. Ltd.
- Dr. Hitesh Panchal - GEC, Patan



Key Contents of the Workshop

- Climate & Housing
- Green Building Rating system
- Passive Measures for Energy Efficiency
- Building Performance Analytics
- HVAC system Efficiency for Buildings
- Energy conservation case study
- Renewable Energy assisted cooling solutions in Building
- Renewable energy system in grid
- Solar rooftop grid Connected system
- Electrical Equipment Rating in Buildings
- Star labels for Energy Efficiency homes
- Research opportunities and innovations in Building Energy Efficiency
- Green Building Initiative in the state of Gujarat



Patrons

Dr. Ritu Bhandari

Presidential Secretariat, Indus University

Dr. Nagesh Bhandari

Presidential Secretariat, Indus University

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Prof. Dr-Ing Anupam Kumar Singh

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