

SHORT TERM PROGRAMME

ICT based short term programme on the topic "Green and Energy Efficient Buildings"

From- 29 February to 4 March 2016

ORGANISED BY



National Institute of
Technical Teachers' Training and Research

An ISO:9001-2000 Certified Institute

[Ministry of Human Resource Development, Govt of India]

Sector 26, Chandigarh 160 019

In Collaboration with

Department of Civil Engineering

Giani Zail Singh Campus College of Engineering &
Technology, MRSST University, Bathinda (Pb).

Venue- Giani Zail Singh Campus College of
Engineering & Technology, MRSST University,
Bathinda (Pb).

ABOUT NITTR, CHANDIGARH

Since its inception in 1967, NITTR (formerly TTTI) Chandigarh has made rapid strides in the areas of engineering and technology and emerging areas like computer, educational technology, entrepreneurship development, rural development, industry-institute interaction and educational management. Presently, the institute conducts more than 400 short-term training programmes annually for polytechnics and engineering colleges teachers, professionals and managers of industries. The institute also conducts a large number of AICTE sponsored Summer and Winter Schools every year. The institute offers six postgraduate programmes in engineering and engineering education through regular and modular modes. In addition to education and training programmes, the institute renders extension services to Polytechnics, undertakes research and development projects and develops print and non-print instructional material.

GZSCCET, MRSST UNIVERSITY, BATHINDA

GZS Campus College of Engineering & Technology, MRSST University, Bathinda is the first institute in Punjab established by state government in the year 1989 when the hon'ble Governor of Punjab Sh.S.S.Ray laid the foundation stone on 23rd October, 1989. Initially set up as Government Engineering College, it was converted in to an autonomous institute in the year 1992 and a "Board of Governors" (BOG) was constituted to manage the affairs of the College. This college was made a campus of Punjab Technical University in 2011. Now thw campus is a constituent college of newly setup Maharaja Ranjit Singh State Technical University, Bathinda and is recognized by All India Council of Technical Education (AICTE) & Council of Architecture. The institute provides an excellent academic environment under the able guidance of well-qualified and highly dedicated faculty.

BATHINDA THE CITY OF LAKES

Bathinda is the fastest developing city of Punjab. The city has come into prominence recently with establishment of HPCL-Mittal Energy Ltd. Refinery, near Rama Mandi in Bathinda Distt. It is a huge investment project with active involvement of famous industrialist Mr. L.N Mittal, also known as Steel King. The present government plans to construct seven star hotel, international airport and world class cricket stadium in the city.

Moreover, enthusiastic real estate developers are opening up a string of shopping malls and residential colonies in the city. The Punjabi university Patiala has established Regional Center at Bathinda and another at Guru Kashi at Talwandi Sabo (Distt. Bathinda) for Engineering, Management and Computer Education. A government managed Engineering College, and Polytechnic are already functioning at Bathinda for imparting degree and diploma courses for Engineering and Medical students respectively. There are also some other degree colleges running science, commerce and humanities courses. From the industrial point of view, this city has two thermal plants, Vardhman Polytex Limited, Verka Milk Plant etc. Bathinda prouds in having Asia'a largest Army cantonment and an Air Force station at Bhisiana.

ABOUT THE COURSE

The economic growth of any country crucially depends upon the long term availability of energy and its security from sources that are affordable, assecible and environment friendly. India is rich in coal and abundantly endowed with renewable energy in the form of solar, wind, hydro and bio-energy has very small hydrocarbon reserve. The climate change issues provides a new impetus to examine energy efficiency as low cost means of reducing GHG emissions. Significant gains can be made in efforts to combat global warming by reducing energy use and improving energy efficiency in buildings. The appropriate government regulations, greater use of energy saving technologies and behavioral chages can substantially reduce carbondioxide emmissions from the building sector which accounts for 30% - 40% of global energy use. In the life time of an average building most energy is consumed, not for construction, but during the period when the building in use for heating, cooling, lighting, ventilation and so-on. There is a need for a greater use of existing technologies like thermal insulation, solar shading and more efficient lighting and electrical appliances,as well as the importance of education and awareness campaings. The advent of green technology has paved way for more responsible eco-friendly designs in architectures, household items and gadgetry. More and more companies have dedicated their efforts in manufacturing and designing their products so that they contribute to the worldwide effort to encourage sustainability and conserving our planet.

The one week training program aims at equipping the participants with relevant knowledge of the importance of Energy efficiency and Green Building as well as the various techniques and practices prevalent these days in this area.

THEMES

- Green Buildings
- Rating of Green Buildings
- Green Materials for Sustainable Construction
- Energy Conservation
- Energy Efficient Building Design & Construction
- Energy Conservation Building Codes
- Green Architecture
- Case Studies

PARTICIPATION

The program is interdisciplinary and is open to:

- Academicians and teachers from technical institutions viz. IITs, NITs, Technical and other Universities, PVT./Govt. Engineering Colleges, Polytechnics, and such other Organizations.
- Administrators and officers from Directorates of Technical Education and Boards of Technical Education in the States.
- Industrialists, Professionals, Entrepreneurs and Organizers of NGO's and other voluntary organizations.
- Officials of State level/ National level Construction Organizations such as CPWD, MES AND State PWD's etc.

ADDRESS FOR CORRESPONDENCE

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GZS Campus College of Engineering & Technology,
MRSST University, Bathinda (Pb.)
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Note: Advance copy of application can be emailed to above address for immediate action.

REGISTRATION

There is no registration fee for these courses. Participants interested in attending the programmes may get themselves registered latest by 23rd February 2016 for the programme.

TA/DA

Participants from Govt and aided polytechnics and engineering colleges shall be paid TA/DA as per institute rules. Participants from private institutions are required to claim TA/DA from their respective organisations. They will, however, be provided accommodation in institute hostel on nominal charges. Such participants shall have to pay for their boarding expenses.

COORDINATORS

NITTR Coordinator: Dr. Sanjay Sharma, Professor, Department of Civil Engineering, NITTR, Chandigarh.

Chief Coordinator: Er. G.S. Bath, Head Civil Engineering Department, GZS Campus College of Engineering & Technology, MRSST University, Bathinda (Pb).

Course Coordinator : Dr. Manjeet Bansal, Associate Professor, Civil Engineering Department, GZS Campus College of Engineering & Technology, MRSST University, Bathinda (Pb).

Course Co-Coordinator : Er. Amanpreet Singh Virk, Assistant Professor, Civil Engineering Department, GZS Campus College of Engineering & Technology, MRSST University, Bathinda (Pb).

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at

Giani Zail Singh Campus College of Engineering & Technology, MRSST University, Bathinda (Pb)

29 February to 4 March 2016

Name: _____

Age: _____ Sex: Male Female

Qualification: _____

Designation: _____

Experience (Teaching/Industrial/Others): _____

Institution: _____

Address: _____

Phone No. with STD Code

E-Mail :

Whether Accommodation Needed: Yes No

Signature of the Applicant

Recommendation of the Principal/Head of the Sponsoring Institute (Signature with seal)

[Last Date of Submission of Application 23 February, 2016]