

### About the Institute

Named after the great Engineer, Statesman & Visionary of modern India, Sir Visvesvaraya, the National Institute of Technology, (VNIT) Nagpur is one of the thirty National Institutes of Technology. Apart from imparting professional education at under graduate and post graduate levels, the institute has been extending available expertise to various Govt. / Semi- Govt. Institutes. Primary objective of institute is to provide advanced technological skills & expertise to enhance teaching & academic activities. VNIT is uniquely placed to contribute significantly to the quality of technical manpower to maintain and enhance the technological pre-eminence of the country by incorporating current and significant international trends in technology developments in educational experience and accessing to the industry expertise through jointly supervised projects, exchange of high quality testing and certification facilities.

#### Organizers:

Dr. S. S. Gokhale, Director, VNIT, Nagpur

Dr. V. A. Mhaisalkar, Professor & Head,  
Department of Civil Engineering

Dr. R. V. Ralegaonkar, Associate Professor &  
Principal Coordinator\*,  
Department of Civil Engineering

Dr. S. A. Mandavgane, Associate Professor, Head &  
Coordinator, Department of Chemical Engineering

Dr. (Mrs.) R. S. Kotharkar, Associate Professor &  
Coordinator, Department of Architecture

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### REGISTRATION FORM

Name: .....

Sex (Male/Female): .....

Designation: .....

Organization:.....

Address for Correspondence: .....

.....

Telephone: .....; Cell No.: .....

Email: .....

Cheque/Draft No.(Date) .....

Signature of the Participant.....

#### Mode of Payment

Payment should be made through Cheque/ Demand Draft in favor of "Director, VNIT, Nagpur" payable at State Bank of India, Nagpur.



## Orientation Program on

***"GREEN BUILDING DESIGN:***

***CONCEPTS & APPLICATION"***

**(16<sup>th</sup> December, 11)**

Organized by

*Department of Civil Engineering*



**Visvesvaraya National Institute of Technology, Nagpur**

## Background

Developing countries like India are facing serious problems of deterioration in the physical environment and quality of life due to population pressure. According to World Business Council for Sustainable Development and Tata Energy Research Institute (TERI), in India, buildings account for nearly 40% of all energy use, 30% of all CO<sub>2</sub> production, 70% of all potable water withdrawal, and 50% of materials and resources consumption. Apart from the significant consumption of the aforesaid resources, people spend majority of their time in the built environment. Clearly, construction and design choices (window placement, building orientation, insulation, etc.) significantly impact occupant's health and that of the environment. In this era of global warming and imminent climate change, where the energy conservation is directly related to reduction in energy demand, the green building design principles will not only facilitate to deliver quality built environment but also help to conserve natural resources. Although a lot of research is ongoing on the topic of global concern a very few buildings have been delivered as Green. *Visvesvaraya National Institute of Technology (VNIT)*, Nagpur in collaboration with other agencies is actively involved in carrying out research on different aspects of Green Building design and development issues. The present orientation program aims at bridging the gap between researchers and practicing personnel and disseminating a wide variety of topics related to Green Building Design.

## Objectives of the Orientation Program

One day Orientation Program on “*Green Building Design: Concepts and Application*” is planned to bring planners, designers, consultants, practicing engineers, builders and developers, researchers, academicians, policy-makers, regulators, administrators, investors, and NGOs on a common platform to share and discuss the on-going technical

advancement, constraints and other significant issues on the Green Building Design. The Program would provide an excellent opportunity for dissemination of information and technology, sharing of expertise and exchange of views related to Green building planning, design, execution, operation and maintenance. The knowledge sharing and discussions during the orientation program will be immensely beneficial for designing and developing Green Buildings. The key issues to be discussed at the conclave include following topics:

- Concept of Green Building
- Design Guidelines & Codes
- Modeling & Simulation Tools
- Sustainable Construction Materials
- Case Studies - Assessment and Monitoring

## Call for Participation

Interested Participants are requested to kindly contact the Principal Coordinator for further details. The number of participants is restricted to maximum of 50. The participants will be registered on first come first serve basis.

## Important Dates

**Intimation of Participation: 15<sup>th</sup> November, 2011**

**Receipt of registration Fees: 25<sup>th</sup> November, 2011**

**Confirm of participation: 1<sup>st</sup> December, 2011**

## Registration Fees

Interested delegates/ organizations may complete and return the attached registration form along with registration fees of Rs. 1200 per delegate. (The delegate fees include program kit, lecture notes, Tea/Coffee/Snacks and Lunch)

## Concession

50% for Research Scholars/Students

## Accommodation

Limited accommodation is available in the Institute Guest house. Rooms will be made available on payment basis & availability as per the Institute Norms. The charges are Rs. 600/- per day for a double bedded room.

## Sponsorship

Manufacturers/Suppliers, Builders, Consultants, Developers, Government and private organizations are requested to come forward and sponsor the event as per the below mentioned category:

Category	Sponsorship	Entitlement
Platinum	Rs. 15,000	3 delegates free
Gold	Rs. 10,000	2 delegates free
Silver	Rs. 5,000	1 delegate free

All the Sponsoring organizations will be duly acknowledged.