

Foreign Faculty:



Dr. Anil Kashyap is Head, Department of Geography and Environmental Management, University of the West of England, Bristol. He brings along a wealth of national and international experience of 22 years in academia, research and public sector. Prior to this he was Deputy Head of School at Coventry University, England and

Professor and Director of School of Real Estate at RICS School of Built Environment, NOIDA, Uttar Pradesh (India). He holds a Bachelor degree in Civil Engineering, Post-graduation in Urban Planning and a Ph. D. from University of Ulster, United Kingdom. Dr. Kashyap is Chartered Member of the Royal Town Planning Institute (RTPI), London, Member of Royal Institution of Chartered Surveyors (RICS), London and Fellow of the Institute of Town Planners (ITPI), India. He is also a Fellow of the Higher Education Academy (HEA) United Kingdom and a Council Member of the International Federation of Housing and Planning (IFHP) representing India. He has recently been appointed to a prestigious panel of International Land Measurement Standard Setting Committee (ILMS – SSC) led by RICS, London.

Dr. Kashyap has strong research interest spanning from energy efficiency in built form, healthy and smart cities, urban regeneration and infrastructure development and financing. He has key strengths in strategic urban policy making, innovative development management and funding mechanisms through his international experience. He has been involved in wide range of research projects funded by research councils, charities and international institutions.

Course Coordinators:

Dr. Mangesh V. Madurwar, Assistant Professor, CED, VNIT, Nagpur. He has over 11 years of experience in academia, research and construction industry. Prior to VNIT he was associated with National Institute of Construction Management & Research (NICMAR), Pune on the position Head for PGP of Real Estate and Urban Infrastructure Management. He has published several research papers and articles in the International Journals and Conferences of repute. He has honoured with the Merit Award in the category of International Innovation & Research Award 2013 organized by Chartered Institute of Building (CIOB), United Kingdom (UK).

Dr. Rahul V. Ralegaonkar, Professor, CED, VNIT, Nagpur. He has been associated with academics including research, testing, consultancy, industrial & administrative experience for over 18 years. He has contributed over 140 publications at international and

national Journals and conferences. Two software tools designed in the area of carbon footprint accounting and sustainable resource management for buildings were granted copyrights. He worked at UTA, Arlington, USA during 2016 as a visiting researcher under Indo-US BHAVAN fellowship program and presently working in collaboration with LJMU, UK in the capacity of Visiting Professor. He has 2 international and 3 national awards to his credit for design and development of novel energy efficient construction materials.

About VNIT, Nagpur :

Visvesvaraya National Institute of Technology, Nagpur is one of the thirty National Institutes of Technology in the country. It was established as Regional Engineering College in 1960. The Govt. of India conferred on the Institute, the Deemed to be University status with effect from 26th June 2002. Subsequently, the Central Govt. by National Institutes of Technology Act, 2007 (29 of 2007) declared VNIT Nagpur as an Institute of National Importance along with all other NITs. The Act was brought into force from 15th August 2007. It is located in the heart of Nagpur city on sprawling campus of 214 acres. It is recognized as pace setting institute for other educational institutions in the region. The institute offers 9 UG and 21 PG courses apart from Ph D programs in the area of Engineering, Architecture and Science. The distance of the campus from air port, railway station and bus stand is approximately 7/7/8 Km respectively.



FOR MORE INFORMATION, CONTACT :

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PATRON

Dr. PRAMOD M. PADOLE

Director, VNIT, Nagpur

LOCAL GIAN COORDINATOR

Prof. K. M. BHURCHANDI
Prof., ECE, VNIT, Nagpur

ADVISOR

Prof. Dr. RAJESH GUPTA
HOD, CED, VNIT, Nagpur



GIAN
GLOBAL INITIATIVE OF ACADEMIC NETWORKS

COURSE ON

**GLOBAL PERSPECTIVE TO ACHIEVE
LOW CARBON BUILT
ENVIRONMENT (MAY 06 - 11, 2019)**



Foreign Expert (Speaker)

Dr. Anil Kashyap

Head, Department of Geography and Environmental Management
University of the West of England, Bristol

Course Coordinators

Dr. Mangesh Madurwar
Dr. Rahul Ralegaonkar

Organized by

DEPARTMENT OF CIVIL ENGINEERING
VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY
South Ambazari Road, Nagpur, India – 440010





Government of India
Ministry of Human Resource
Development

Course Overview :

Buildings play a vital role in societal development. Due to the rapid increase in urban population, especially in developing countries like India there is a tremendous pressure on natural resources namely the construction materials, water and energy. In order to meet the ever increasing demand for housing and to conserve desired resources during construction, operation and maintenance, there is a need to plan and design the energy efficient buildings. Buildings consume almost 40% of energy, which accounts for carbon footprint. With the aim to design low carbon built environment, energy efficiency should be primary concern. It can be achieved by appropriate planning, designing and management of materials, water and energy. The building fabric and associated desired resources can also be modelled using suitable simulation tools for assessing the efficiency of the design. In order to assess the efficiency of the system several global initiatives by the government as well as professional allied bodies were made. To an extent the desired standards were either mandatory or voluntary. It is apt to discuss the impact of mandatory clauses of the standards to evaluate the efficiency of the building designs. It is also observed that the alternate non-conventional energy efficient technologies have higher initial investment. However, life cycle analysis is an appropriate measure to estimate the payback period for such techniques.

Course Objectives :

The primary objectives of the course are :

- To share the knowledge with participants about the building energy efficiency and its global relevance along with standards and make the participants understand about the implemented policies and government initiatives
- To assess the product performance for meeting the functional performance of the built environment
- To evaluate the role of alternate and sustainable technologies for achieving energy efficiency in the buildings
- To demonstrate the simulation tools for specific case studies for analyzing energy efficiency options

Who Can Participate?

Executives, Engineers and Researchers from Government, Semi-government organizations, including R&D laboratories. Students at all levels (BTech/MSc/MTech/PhD) or Faculty from reputed academic institutions and technical institutions.

Registration Fee :

The participation fee per person for attending the course is as follows:

Participants from Abroad
USD \$ 200

Industry/Research Organization
Rs. 5,000/-

Academic Institutions :

Students
Rs. 2,000/-

Non-Students /Faculty/ Scientist
Rs. 3,000/-

The above fee includes all instructional materials, free internet facility, working lunch, tea and snacks. The course fee is inclusive of 18% GST as per institute norms.

Mode of Payment :

On registration in the course, selected candidates will be intimated through e-mail. They have to remit the required course fee to the bank through NEFT (If fee is to be paid by NEFT, clearly mention "GIAN 2018-2019-<NAME OF THE CANDIDATE> in the mentioned space) as per the details given below.

Name of the Beneficiary : Director, VNIT
Name of Bank : State Bank of India
Branch Name : VRCE Branch, Nagpur
Branch Code : 06702
Beneficiary Account No. : 10259420288
Bank MICR Code : 440002005
Bank IFSC : SBIN0006702

If paid by DD, it should be in favour of "Director, VNIT, Nagpur" payable at "Nagpur". In addition to the above fee, one-time online fee of Rs. 500/- is to be paid for registration in the GIAN web portal. (See registration process Step 1 in next column)

Accommodation

The participants may avail single bedded shared accommodation and food (breakfast and dinner) if requested on additional payment and availability basis in institute guest house or hostel.

Note: Maximum number of participants is limited to 40 only. Selection will be made on first-cum-first-serve basis.

Registration Process :

Registration for any GIAN course is a two-step process.

Step 1: Web Portal Registration : One Time Registration with the GIAN web portal of IIT Kharagpur by paying Rs. 500/- (non-refundable) through the online payment gateway. (Individuals who have already registered to GIAN earlier may skip Step 1).

Step 2: Course Registration : Course registration with the course coordinator.

- Institute registration process is an offline process. The participants are required to fill the Registration Form.
- He/she then may proceed for the course registration by filling out the registration form and paying the registration course fee.

Documents to be sent online:

- Scanned copy of filled in "Registration Form"
- Scanned copy of "Demand Draft/Details of NEFT"

Above documents must be sent to Course Coordinator via email: giancivil.vnit@gmail.com

Documents to be sent by post:

- Original registration form
- Demand Draft/receipt of NEFT

The above documents must be sent by post to:

Dr. Mangesh Madurwar
Assistant Professor, Civil Engineering Department,
Visvesvaraya National Institute of Technology, Nagpur-
440010, M. S., India

Important Dates :

- Last date for receipt of Registration form and DD/NEFT Receipt by post : **April 20, 2019**
- Course Dates: **May 06 - 11, 2019**