

PRESS RELEASE

About the RACE-2017

The Department of Civil Engineering is organizing a 3-Day National level workshop on “*Recent Advances in Civil Engineering (RACE-2017)*” during March 02nd-04th, 2017 sponsored by TEQIP-II to demonstrate the following objectives:

1. To document current developments in the field and capture visions for future research in Civil Engineering.
2. To identify gaps and needs, as well as applications that hold the greatest potential for impact.

This programme is intended to assist the students, researchers and professionals mainly from academic institutions, field engineers, scientific organizations, roads and building works departments, PWD, consultancy agencies, constructing companies, water resources and irrigation departments, groundwater and public health departments and other agencies of Indian country to share their knowledge and to develop mutual training and research activities. This intensive 3-Day national workshop provides the theoretical information and practical hands-on training on recent advances in Civil Engineering with an emphasis on the emerging trends in the major field specializations such as: Integrated Water Resources and Environmental Management, Geotechnical Engineering, Structural Engineering, and Transportation Engineering. The recent advances in experimental and computational methods in the various areas of Civil Engineering are going to be addressed comprehensively by the eminent experts in this workshop. The workshop will be opened on March 2nd, 2017 morning and concludes on March 4th, 2017.

Inaugural Function Date, Time & Venue: 02/03/2017, 9:00 AM, Conference Hall, Computer Centre of NIT Jamshedpur

Chief Guest: Dr. Dr. Indrani Chatteraj, Director of National Metallurgical Laboratories (NML)

Presiding the inaugural function: Prof. Rambabu Kodali, Director, NIT Jamshedpur

Sponsorar/Promoter: Technical Education Quality Improvement Programme, Phase –II (TEQIP-II), MHRD, Govt. of India, Dr. A.K. Choudhary, Institute Coordinator for TEQIP-II, NIT Jamshedpur

Coordinators: 1. Dr. A.K. Choudhary, Associate Professor of Civil Engineering & Coordinator TEQIP-II
2. Dr. Virendra Kumar, Associate Professor of Civil Engineering
3. Dr. Ch. Madhusudana Rao, Assistant Professor of Civil Engineering

Advisor: Dr. B.K. Prasad, Head of the Department of Civil Engineering

The programme schedule and experts/resource persons

During the 3 day long sessions, the organizers have planned a total of 12 invited expert lectures followed by one software demonstration through hands-on training with field examples/case studies handled by the each coordinator separately. The organizers have arranged two sessions in the morning and two sessions in the evening daily. Each session is of 90 minutes duration.

The organizers have invited 7 resource persons. Out of which 3 are from IITs such as from IIT Guwahati, IIT Roorkee, IIT Kharagpur, respectively, 2 are from VNIT Nagpur, 1 from MIT Muzuffarpur and another of a prominent Engineer cum Astro-Vastu expert from Kolkata.

List of Resource Persons

1. Dr. J.N. Jha, Professor and Principal of MIT, Muzuffarpur
2. Dr. M. Perumal, Professor of Hydrology, Department of Hydrology, IIT Roorkee
3. Dr. Ajay Kalamdhad, Associate Professor of Civil Engineering, IIT Guwahati
4. Dr. Babagrahi Sahoo, Assistant Professor in the School of Water Resources, IIT Kharagpur
5. Dr. R.K. Ingle, Professor of Civil Engineering and Head of the Applied Mechanics Department, VNIT Nagpur
6. Dr. Ratnesh Kumar, Assistant Professor of Applied Mechanics, VNIT Nagpur
7. Er. Pandit Shri Kalpataru, a prominent Engineer cum Astro-Vastu expert and consultant from Kolkata

Target audience for short term course

The target groups attending the short term course are well-selected researchers and professionals mainly from academic institutions, scientific organizations, R&D labs, PWD, construction companies, water resources & irrigation departments, groundwater and public health agencies of Indian country. This national workshop is intended for people with Civil Engineering background and need for instruction in the techniques and applications of experimental and soft computing techniques. In addition, this short term course provides a common platform for transferring the knowledge about the recent trends in Civil Engineering.

The target strength is 50 nos., but the organizers received many applications from various places of the country. Out of which a total of 100 participants list is prepared.

Outcomes of the workshop

The participants will learn the basics of the following technical areas:

- Ground improvement techniques
- Soil dynamics and earthquake engineering
- Earth and water retaining structures
- Fire resisting structures
- Advances in concrete technology
- Geosynthetics & Natural fiber
- Traffic theory for Intelligent Transportation System (ITS)
- Impacts of climate change on the water environment and responses
- Integrated hydrological and river modelling
- Overland flow
- Recent advances in computational methods for optimal management of water resources systems
HEC-RAS, SWAT, MIKE11 model applications and SAP software applications.

The accommodation is available for the delegates/outstation participants in Hostel – K of the Institute.

The coordinators of the workshop are in the opinion that, this 3-Day national workshop is certainly fulfill its objectives and outcomes by the end of the day which are very much useful to the target groups as this programme is blended with highly qualified resource persons and talented young participants.

Coordinator, RACE-2017.

Department of Civil Engineering
NIT Jamshedpur,
March 1, 2017.