

About the Institute:

National Institute of Technology Jamshedpur is an Institution of National Importance, by an Act of Parliament (Act 29 of 2007) namely, the National Institutes of Technology Act, 2007, which received the assent of the President of India on the 5th June, 2007. This was formerly known as Regional Institute of Technology (RIT) Jamshedpur and was established on 15th August 1960 with the aim of nurturing young engineers for economic growth of the Nation. NIT Jamshedpur is situated in the western part of the city Jamshedpur. The flowing river Kharkai and picturesque backdrop of low hills on one side, and large tracts of forest on the other side, make the 341 acres of rolling campus an ideal place for higher learning and research. NIT Jamshedpur has well qualified faculty and dedicated supporting staff.

About Civil Engineering Department:

The Department of Civil Engineering of National Institute of Technology (formerly Regional Institute of Technology) Jamshedpur was started with the inception of the institute itself in 1960. The Department of Civil Engineering runs B.Tech, M.Tech (Structural Engineering, Geotechnical Engineering and Water Resources Engineering) and Ph.D programmes. The department has well qualified and experienced faculty members. Apart from teaching and research, all faculties are actively involved in training and other extracurricular activities for all round development of the department. Faculties of this department are also undertaking design, testing & consultancy works for various organizations leading to resource generation for the Institute.

How to reach the Institute:

NIT Jamshedpur is well connected by Rail and Bus.

NIT Jamshedpur Campus is about 12 km from TATA railway station.

Organizing Committee

Patron

Prof. Karunesh Kumar Shukla
Director, NIT Jamshedpur

TEQIP-III Coordinator

Dr. A.K. Choudhary
Professor, Dept. of Civil Engg.

Advisor

Dr. R. P. Singh
HOD, Dept. of Civil Engg.

Coordinators

Dr. R. P. Singh
Dr. Sanjay Kumar
Dr. Ch. Madhusudana Rao

Registration form should be sent to:

Dr. Sanjay Kumar **Dr. Ch. Madhusudana Rao**
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Coordinator (RACER-2019)
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National Workshop on Recent Advances in Civil Engineering Research (RACER-2019)

Jan. 21-25, 2019



Under Technical Education
Quality Improvement Programme
(TEQIP)-III

Organized by

Department of Civil Engineering
National Institute of Technology Jamshedpur
Jamshedpur- 831014
Jharkhand, INDIA

About RACER – 2019:

TEQIP-III sponsored 5-day National Workshop on “Recent Advances in Civil Engineering Research (RACER-2019) to be hosted by the Department of Civil Engineering, National Institute of Technology (NIT) Jamshedpur 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 5-day national workshop provides the theoretical information and practical hands-on training on recent advances in Civil Engineering Research with an emphasis on the emerging trends in the major field specializations such as: Geotechnical Engineering, Structural Engineering, Integrated Water Resources and Environmental Management 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.

Objectives of the workshop:

The workshop will focus on fundamental principles that underlie current and anticipated developments and research scope in Civil Engineering.

The objectives of the workshop are to:

- Document current development in the field and capture visions for future research
- Identify gaps and needs, as well as applications that hold the greatest potential for impact

Outcomes of the workshop:

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

- Sustainability in construction and building materials
- Open channel hydraulics
- Environmental monitoring and modeling
- Soil dynamics and earthquake engineering
- Earth and water retaining structures
- Geo-spatial technology applications for water resources
- Advances in concrete technology
- Fibre-reinforced composites
- Impacts of climate change on the water environment and responses
- Integrated hydrological and river modelling
- Environmental impact assessment
- SAP, HEC-RAS, SWAT model applications

Resource persons:

The resource persons constitute eminent experts from various IITs, NITs, and Govt. Organizations/Departments.

Accommodation:

Accommodation will be provided to all out station participants in the Institute Guest House/Hostels on nominal payment basis subject to the availability.

Who can apply:

Faculty members, research scholars, field engineers, M.Tech/B.Tech students, scientists from R&D labs, engineers from Public/Govt. organizations/industries, personal from consultancy service centres, corporate and executives can participate in the workshop.

Registration fee:

Students (UG/PG) : Rs. 1000/-

PhD Students : Rs. 2000/-

Academic Participants : Rs. 3000/-

Industry Professionals/other : Rs. 5000/-

The course registration fee is to be paid through online transaction to SBI A/c No.: 33117999641, NIT Branch (Code: 1882), IFSC No.: SBIN0001882.

Venue:

Lecture hours:

Conference Hall of Civil Engineering Department

Computer Classes:

CFD/CAD Lab. of Civil Engineering Department

General Information:

Fee includes registration kit & working lunch with tea during the session. No TA/DA will be paid to the participants. The participants will be selected on first-come –first serve basis up to a maximum of 50 participants. The registration form, complete in all respects, duly forwarded by the Head of the Institute/Department accompanied by demand draft of requisite amount and covering letter should reach on or before Jan 10, 2019. For further details visit www.nitjsr.ac.in or please contact the course coordinators.

**National Workshop on
Recent Advances in Civil Engineering Research
(RACER– 2019)**

Jan. 21-25, 2019

Registration Form

(Photo copies/Soft copies can also be used or down load from
www.nitjsr.ac.in)

1. Name: _____

2. Designation: _____

3. Department: _____

4. Organization: _____

5. Address for Correspondence: _____

Email: _____

Phone no: _____

Fax no: _____

6. Highest Qualification: _____

7. Experience: _____

8. Accommodation required (Tick): YES/NO

9. DD Particulars: _____

Amount: _____

Date: _____

DD. No: _____

10. Signature of Applicant: _____

11. Sponsorship & Signature of Competent

Authority with date & Seal: _____