

About the Institute

National Institute of Technology (NIT) Jamshedpur is an Institution of National Importance, by an Act of Parliament 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 the Department

The Department of Civil Engineering of National 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 faculty members are actively involved in training and other extracurricular activities for the all-round development of the department. Faculty members 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.

The Campus is about 8.5 km from Tatanagar railway station.

Organizing Committee

Patron

Prof. Karunesh Kumar Shukla

Director

Chairperson

Dr. Rakesh Pratap Singh

Head, Department of Civil Engineering

Coordinator

Dr. A. K. Singh

(Associate Professor, Dept. of Civil Engg.)

**All faculty members (Dept. of Civil
Engg.)
NIT Jamshedpur**

National Seminar

on

**SOFT COMPUTING IN LIQUEFACTION
AND DAM ENGINEERING**

17th June 2019

(Last Date of Registration: 15th June, 2019)



Under the aegis of

**Technical Education Quality
Improvement Programme (TEQIP-
III), MHRD, Govt. of India**

Organized by

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



Objectives of the Seminar

In the twenty-first century, the need of 'Soft Computing' in the field of engineering particularly in civil engineering has been great importance due its high speed, time saving, vast memory and economy. It can solve complex problem and selection among alternatives. Analytical methods having some assumptions and limitations. Complex field problems cannot be solved analytically but it can be solved numerically. Different finite element (FEM) software such as ANSYS, PLAXIS, etc. are available and it can be used to solve the complex Geotechnical and Water Resource problems. Artificial Neural Network (ANN) can be also applied in these fields.

Liquefaction Analysis, Failure due to liquefaction and stability of structures constructed over liquefiable soil strata, and analysis, design, stability of water retaining structure like dam, levee, barrage, weir can be made using ANSYS and ANN. Nevertheless, the complex subsoil conditions along with ever-increasing socio-economic costs, scarcity of good construction site, coupled with environmental constraints posed major challenges to the geotechnical engineering and Water resources engineering professionals. In this context, the Department of Civil Engineering, NIT Jamshedpur is intended to organize one day National Seminar on "Soft Computing in Liquefaction and Dam Engineering" sponsored by the Technical Education Quality Improvement Programme (TEQIP-III), MHRD, Govt. of India. This seminar provides an ample opportunity for the delegates to exchange their innovative ideas and field experiences, to interact directly with the expert in the domain and gain knowledge through interaction which would eventually help in developing future collaborations with NIT Jamshedpur.

Finally, B. Tech. and M. Tech. students, Research Scholars, Academicians will be highly benefited from this seminar.

Resource person

The resource person (Dr. Kumar Venkatesh, Associate Professor, Deptt. of Civil Engg.) constitute eminent expert from MNNIT Allahabad.

Who can participate?

Faculty members, Research Scholars, M. Tech. & B. Tech. students, Engineers, Corporates and Executives from Public/Govt. Organizations/industries, Consultants, and Scientists from R&D labs, can participate.

Registration fee - N/A

Schedule

9:30 am to 11:15 am

11:30 am to 1:15 pm

Venue: Conference Hall, Computer Centre, NIT Jamshedpur

Accommodation

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

Invitation to Sponsors and Exhibitors

Co-ordinator of the seminar cordially invites prospective sponsors and exhibitors to take part in the seminar. For more details, contact the seminar coordinator.

General Information:

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.

For further details visit www.nitjsr.ac.in or please contact the seminar coordinator.

National Seminar on

SOFT COMPUTING IN LIQUEFACTION AND DAM ENGINEERING

17th June 2019

Sponsored by TEQIP-III

Registration Form

Personal Information

Name (block letters): _____

Designation: _____

Institute/Organization: _____

Address for Correspondence: _____

Email: _____

Mobile No.: _____

Highest Academic Qualification: _____

Working Experience (in nos. of years), if any: _____

No Registration fee

*Signature of the Applicant
with date*

*Signature of Competent Authority
with date & Seal*

Please send the scanned copy of the completed registration form to the Coordinator, Department of Civil Engineering, NIT Jamshedpur – 831014, Jharkhand, INDIA on or before 16th June 2019 by -mail.

Mobile: +91-9430746532/7992393148

Email: aksingh.civil@nitjsr.ac.in

Website: www.nitjsr.ac.in

National Seminar
on
**Soft Computing in Liquefaction
and Dam Engineering**

17th June, 2019
NIT Jamshedpur
Jharkhand - 831014
Sponsored by TEQIP-III

REGISTRATION FORM

Personal Information

Name (Block letters): _____

Designation: _____

Institute/Organization: _____

Address for Correspondence: _____

Email: _____

Mobile No.: _____

Highest Academic Qualification: _____

Working Experience (in nos. of years),if any: _____

Accommodation required (Tick): YES/NO

Signature of the Applicant with date

*Sponsorship & Signature of Competent Authority
with date & Seal*

[Please send the scanned copy of the completed registration form), to the Co-ordinator, Department of Civil Engineering, NIT Jamshedpur, Jamshedpur – 831014, Jharkhand, INDIA on or before 15 th June 2019 by e-mail (aksingh.civil@nitjsr.ac.in)].