

## Patrons

**Prof. (Dr.) Manesh B. Kokare**

Director & Professor

Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded (M.S.), India.

## Chairperson

**Dr. Chandrashekhar D. Bhagat**

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## Organizing Secretary

**Dr. Pranita N. Balve**

Assistant Professor,

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### Registration Details:

Candidates should complete the enclosed registration form, and send it by mail to the organizing secretary. Confirmation of eligibility candidates will be on a first come first served basis up to a maximum of 30 candidate. The completed registration form should be received by the organizing secretary by March 15, 2025.

The registration fees for faculties and industrialist Rs. 1000/- and for research scholar and M.Tech students Rs. 500/-.

Follow below link to register yourself for proposed workshop.

<https://forms.gle/8djStGkNjWZVsHc8A>



**CSIR HRDG**

**Sponsored**

**One Week**

**Workshop**

**on**

**Hydrological Modelling in  
Climate Change Scenario**

**March 18-22, 2025**



**Organized by**

**DEPARTMENT OF CIVIL  
ENGINEERING**

**Shri Guru Gobind Singhji  
Institute of Engineering and  
Technology (SGGSIE&T),  
Vishnupuri, Nanded  
(Maharashtra State),  
India-431606**



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**REGISTRATION FORM**

Name: \_\_\_\_\_ Male/Female: \_\_\_\_

Designation: \_\_\_\_\_

Organization Address: \_\_\_\_\_

Address for Communication: \_\_\_\_\_

Educational Qualification: \_\_\_\_\_

Specialization: \_\_\_\_\_

Experience: \_\_\_\_\_

Area of Interest: \_\_\_\_\_

Contact Number: \_\_\_\_\_

Email ID: \_\_\_\_\_

**Signature of Applicant**

Signature of Head of the Institute (with date and seal)

## About the Institute:

Shri Guru Gobind Singhji (SGGS) Institute of Engineering and Technology, Nanded is fully funded by Government of Maharashtra and established in 1981. The institute has started functioning as an autonomous Institute from academic year 2004-2005. The Institute is approved by the All India Council for Technical Education (AICTE), Government of India. SGGS was selected under prestigious TEQIP (Technical Education Quality Improvement Programme) programme of Government of India and funded by World Bank. In 2011, AICTE has granted QIP (Quality Improvement Programme) centre to the Institute for research. Recently, in TEQIP Phase-II the Institute is selected as a Centre of Excellence in Digital Signal and Image Processing.

The SGGS Institute of Engineering and Technology enjoys a sprawling campus of 46 acres and is permanently affiliated to Swami Ramanand Teerth Marathwada University, Nanded. Highly qualified and experienced teachers impart quality education to students while encouraging them to pursue their innovative ideas by providing an environment conducive for continuous learning and development.

## About Workshop:

A Hydrologic model is a simplification of a real-world system that aids in understanding, predicting and managing water resources. Both the flow and quality of water are commonly studied using hydrologic models. Hydrologic modelling is used to answer environmental transport questions where water excess, scarcity, or dissolved or solid content is of primary importance. Climate change includes both global warming driven by human induced emissions of greenhouse gases resulting in large scale shifts in weather pattern. Many modern tools/software are available to simulate the future impacts of climate change in the field of water resources. Soft computing techniques are becoming popular in engineering and technology activities. They are extensively used in design problems where the emphasis is on optimization problems.

Many techniques have been used by researchers and experts for planning, management and development of resources.

The basic aim for the proposed workshop is to make participants aware of the basics of hydrological modelling, impact of climate change on environment as well as engineering optimization methods and applications of soft computing tools.

## About the Department:

**Vision :** To be a leader in teaching, research, and consultancy services in Civil Engineering

**Mission :** 1. To provide quality education to students in a vibrant environment for a successful career in civil engineering.

2. To attract and encourage students for carrying innovative research by providing them with state-of-art infrastructure and knowledge base.

3. To provide consultancy services to industries and organizations for resolving real life problems so as to cater societal needs.

4. Integrate sustainable practices into all aspects of departmental planning and operations, focusing both on the current and future implications.

The Department of Civil Engineering was established in the year 1984 with an intake of 30. Subsequently, the intake was increased to 40 in 2002 and Then again increased to 60 in 2009. Department is accredited by National Board of Accreditation (NBA) for Five years from 19th July 2008 for second time. The Department has a good academic culture and conducive working environment in the areas. The equipment in the laboratories from these areas have been procured from the funding of state government and the AICTE funded projects under the category of TAPTEC, MODROB and R&D. The infrastructure is sufficient to achieve the academic excellence. In addition to the strong placement, students are getting good ranks in GATE examination.

The Department is a Research Centre of Swami Ramanand Teerth Marathwada University. The M. Tech. and Ph. D. students publish high quality research papers in National and International journals.

The department is having close association with the academic institutes like (IIT Mumbai, IIT Kharagpur, IIT Roorkee, IIT Delhi, VNIT Nagpur and NIT Jalandhar) etc.

## Food and Accommodation:

Accommodation to outside participants will be available in campus hostels. Breakfast, lunch and dinner will be provided in the institute campus.

## Target Participants:

The programme will be limited to 30 highly qualified, motivated candidates. Faculty, Ph.D. research scholar, PG Students and industrial professionals in the engineering field are encouraged to participate.

## Experts for Course:

Prof. (Dr.) T. I. Eldho, IIT Bombay
Prof. (Dr.) Pranab Mohapatra, IIT, Gandhinagar
Prof. (Dr.) J. N. Patel, SVNIT, Surat
Prof. (Dr.) K. S. Raju, BITS Pilani, Hyderabad
Prof. (Dr.) A. Vasan, BITS Pilani, Hyderabad
Dr. Jaysukh C. Songara, Dar Al Handasah Consultants India Pvt. Ltd.
Dr. Saran Aadhar, IIT, Jodhpur
Dr. Priyank Sharma, IIT Indore
Dr. Abhishekh Pandey, IIT Dhanbad
Dr. Ashwini Mirajkar, VNIT Nagpur
Dr. P. N. Balve, SGGSI&T, Nanded
Dr. C. D. Bhagat, SGGSI&T, Nanded