

About NIE

The National Institute of Engineering (NIE), established in the year 1946, today stands in the band of 151 to 200 top engineering colleges in the country that include IITs and NITs as per National Institution Ranking Framework (NIRF-2018) announced by MHRD. NIE is ranked **22** among India's top 100 Engineering Colleges, as per survey conducted by *Outlook* magazine (June 2017). It is a grant-in-aid institution and approved by the All India Council for Technical Education (AICTE), New Delhi. NIE got autonomous status by Visvesvarya Technological University, Belagavi in 2007. Four Undergraduate Programmes - Civil Engineering, Mechanical Engineering, Electronics & Communication Engineering and Industrial & Production Engineering and two PG Programmes - Hydraulics and Production Engineering & System Technology have been accredited by the National Board of Accreditation, New Delhi. It is one of the 14 colleges in Karnataka that have been recognized under Ministry of Human Resources Development - World Bank sponsored Technical Education Quality Improvement Programme (TEQIP) and one of the ten Engineering Colleges in Karnataka that have accreditation for their Programmes. It is also a recognised QIP Research Centre of both AICTE and VTU.

NIE offers 7 UG and 11 PG Programmes and has 15 Centres of Excellence. Many funded research projects of Central and State Governments, VTU and overseas universities, amounting to about Rs. 700 lakhs, are presently being carried out at NIE.

Department of Civil Engineering was the first department to be set up at NIE. Right from the inception the Department has provided high quality value based education to the students. An M.Tech. programme in Hydraulics was started in the Department in 1972. Through this programme, the Department has contributed substantially to the cause of Engg. education by producing quality teachers and professionals, who now occupy important positions in the field. The **Water Resources**

Centre of the Department was established in 1992. Since then, the department is actively involved in research in the Hydrology related fields. Five major and many small projects financed by external agencies have been carried out and many papers published by the faculty members involved. A number of Ph.D. and M.Sc. candidates have been benefitted through these activities. The department is also involved in research in the field of Structural Engineering and others.

Coordinators

Dr. R. Yadupathi Putty

puttynie@gmail.com; Mobile: 9880255920

Dr. Yusuf Javeed

yjaveed@gmail.com; Mobile: 9986062198

Dr. P.N. Chandramouli

chandramouli@yahoo.co.in; Mobile: 9448773056

Professors, Department of Civil Engineering,
The National Institute of Engineering, Mysuru

Patrons

Dr. G. Ravi, Principal, NIE

Dr. N. Suresh, Prof. & Head, Dept. Civil Engg

Registration

Registration is free of cost on first come first serve basis. The Number of participants is limited to 30 only. Last date for registration is 25/4/2018. Completed registration forms shall be sent to the coordinators through e-mail: puttynie@gmail.com

Workshop on *Challenges in Measurement of Flow in Streams and Other Open Channels*

27th & 28th April 2018

Organised under the Technical Education
Quality Improvement Programme [TEQIP]



Venue: Sir M.V. Auditorium, NIE.



Department of Civil Engineering
The National Institute of Engineering
Manandavadi Road, Mysore

Preamble

All kinds of flow of water in nature, except the small amounts of subsurface flows, and most of the intentionally driven large quantity flows of water take place in open channels. In the civilized world, the need for measurement of such flows is obvious. Data on stream flows play a pivotal role in hydrological research, in planning Water Resources development, and of late, matter a lot in water-sharing. In addition, monitoring discharge of water in canals and of other liquids in small channels is important in irrigation/ industrial management. While on one hand, measurement of flow in rivers continues to pose great challenges for the agencies involved in investigation of Water Resources development, the technological development in the field of flow measurement has been significant on the other. In fact, research in Hydrology has crippled to a large extent due to lack of availability of reliable data and often has also led to overambitious development of Water Resources and failure of many projects. Yet, there has been little effort to use the advanced technologies beneficially to monitor river flows. The present workshop intends to bridge this gap between research results and practice. It intends to highlight the importance of proper strategies for monitoring stream flows and managing their records and to make aware the participants of the methods that are currently being practiced and the advanced technologies that can be used in flow measurement and data procurement.

Sessions

Key note
Current Practices
Proportional weirs
On field challenges and stage recording
Modern methods and advanced technologies
Innovative methods for estimation of discharges

Target Group

- ✓ Teaching faculty of Civil Engineering from Engineering Institutions;
- ✓ PG students of Hydraulics/ Water Resources and research scholars in the field;
- ✓ Engineers from WRD;
- ✓ Members of NGOs and other organisations in the water sector.

Resource Persons

1. **Prof. Rama Prasad**
Former Professor, *Dept. Ci.E., IISc, B'luru*
2. **Prof. B.S. Thandaveswara**
Former *Professor & Chairman,*
Dept. Ci.E., IITM, Chennai
3. **Dr. M.N. Shesha Prakash**
Prof. & Vice-Principal, VVIET, Mysuru
4. **Dr. Madhu,** Formerly with Dept. Civil
Engg., IITB, Mumbai
5. **Dr. R. Yadupathi Putty**
Professor, NIE

Department of Civil Engineering
The National Institute of Engineering

Workshop on
Challenges in measurement of flow in streams and
other open channels
27th & 28th April 2018

REGISTRATION FORM

Name: _____

Qualification: _____

Designation: _____

Department: _____

Institution/Organisation: _____

Postal Address: _____

Phone/ e-mail ID: _____

Purpose of attending the Workshop and Research
interests:

Signature of the delegate:

Recommendation by the Principal:

Note: This is only the format for application.
Application printed/ written on plain paper is
preferred. Scanned copies may be sent by e-mail.