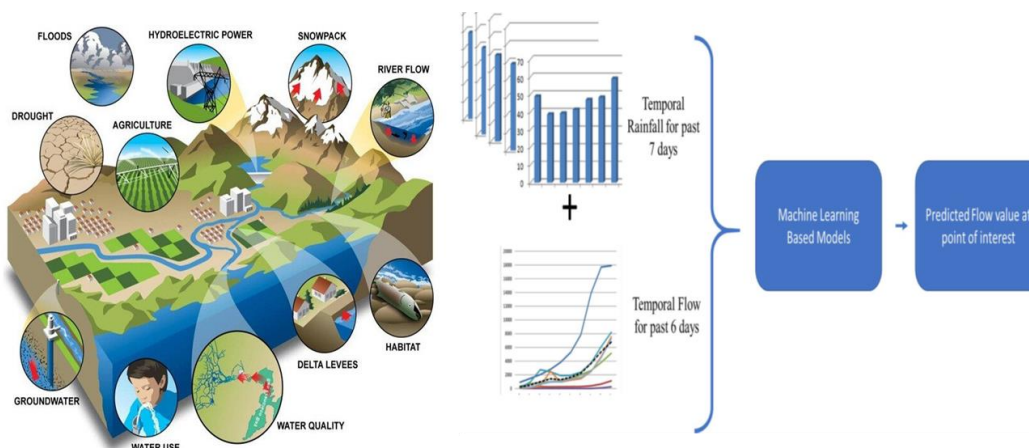




Engineering Staff College of India
Autonomous Organ of The Institution of Engineers (India)
Old Bombay Road, Gachi Bowli, Hyderabad – 500 032. TS, India

WATER RESOURCES DEVELOPMENT DIVISION

Continuing Professional Development Programme on
**Hydrological Observations, Data Collection and
Formulation of Flood Forecasting**
06 - 08 July 2026



(An ISO 9001:2015 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence

INTRODUCTION

Hydrological observations are crucial for understanding water resources, managing them effectively, and predicting and mitigating hydrological hazards like floods and droughts. Accurate data on water levels and streamflow helps in predicting floods and droughts, enabling timely warnings and mitigation measures. Hydrological conditions play a vital role in maintaining the health of ecosystems, and observations help in assessing and protecting these ecosystems. Hydrological monitoring plays a vital role and it requires a series of specialized equipment and tools to ensure the accuracy and reliability of data. Through real-time monitoring of water level, flow and other hydrological elements, we can accurately determine the development trend of floods and droughts, and provide scientific basis for flood control and drought relief decision-making. Hydrological monitoring data also have important reference value in urban planning, construction and management. By monitoring the hydrological information of urban drainage systems, lakes, reservoirs and other waters, it can provide a scientific basis for urban drainage planning, flood control and drainage.

OBJECTIVE

The objective of the training programme is an opportunity to the engineers and other officers involved in floods to enhance their knowledge and skill on river dynamics and river engineering problems.

COVERAGE

- ❖ Overview on Hydrological Networks
- ❖ Water Level & Discharge Observations
- ❖ Suspended Sediment Observations
- ❖ Recent advances in Hydrological Modeling
- ❖ Methods of Flood computations - IDF, SPF and PMF (Probable Maximum Flood)
- ❖ Flood Forecasting Techniques – CWC Procedures
- ❖ Impact assessment of various components of Hydrological Cycle
- ❖ Integrated Water Resources Development and Management
- ❖ Flood Inundation Maps using Geospatial Techniques.

METHODOLOGY

Methodology includes class room lectures with audio visuals, interactive sessions through group discussions, case studies etc. Emphasis would be laid on sharing of experiences of participants. Active participation is solicited from participants. Medium of training is English.

TARGET PARTICIPANTS

The course is meant for all the Engineers from Water Resources, Irrigation & Flood Control Departments, Disaster Management Authorities, NHPC, CWC, Ground Water Departments, Urban Development Authorities, Municipal Corporations, Academics, Research and Development Organizations and others involved in flood control and management.

PROGRAMME VENUE, DATES & TIMINGS

VENUE :

Engineering Staff College of India (ESCI) Campus, Old Bombay Road, Gachi Bowli, Hyderabad - 500032, TS India.

DATES:**06 – 08 July, 2026****TIMINGS**

On the first day, registration will commence at 0900 Hrs. On all other days the programme timings will be from 0945 to 1715 hrs with breaks in between for tea and lunch.

COURSE DIRECTOR**Er. G Naresh, M.Tech (Ph.D), MIE****Faculty & Head I/c.**

Mobile : +918801193075

COURSE FEE

Residential Fee is Rs.18,000/- per participant. Residential fee includes course material, course kit, and twin-sharing / single AC accommodation as per availability, Breakfast, Lunch, Dinner, Tea / Coffee and Snacks.

DISCOUNTS

Non-Residential Fee: 10% discount on course fee is allowed for non-residential participants.

Group Discount: Additional 10% discount for three or more participants if sponsored by the same organization.

(All discounts are applicable only if fee is received at ESCI before the commencement of the programme)

GST @18% as applicable is to be paid extra over and above the training fee. **PAN Card No** AAATT3439Q; **GSTIN** 36AAATT3439Q1ZV (under commercial training or coaching services).

Programme fee is to be paid in favour of “**IE(I)-Engineering Staff College of India**” in the form of demand draft payable at Hyderabad.

Alternatively the payment may be made by **Electronic Fund Transfer (EFT)** to ESCI - SB A/c No. 10007111201 with The SBI, PBB, Rajbhavan Road Branch, Khairatabad, Hyderabad-500004 by **NEFT/ RTGS/ IFSC Code No.** SBIN 0004159 – MICR No.500002075. **While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and programme title.**

REGISTRATION

Online registration shall be available on ESCI website. To register manually, please send your nominations giving details of name, designation, contact address, email address, mobile, telephone and fax numbers of the participant along with the details of mode of payment of fee, addressed to:

Head

Water Resources Development Division

Engineering Staff College of India

Gachi Bowli, Hyderabad – 500 032

Phone: 040 – 66304117 – 9 (Dir.) 23000465 (EPABX): Extn: 4117– 9

Fax: 040 - 23000336

E-Mail : wrd@escihyd.org

Url : www.escihyd.org

CERTIFICATE: A certificate of participation will be awarded to each participant on conclusion of the programme.

GENERAL INSTRUCTIONS

- ESCI encourages participants to present case studies from their respective organizations.
- For the convenience of the outstation participants ESCI will facilitate pickup and drop from Airport / Railway Station/ Bus stations, if travel plans are received at least 3 days in advance along with mobile number by fax or email. The charges shall be paid by the participants directly to the cab.
- ESCI provides complimentary accommodation to participants a day prior to the commencement and after the conclusion of the programme. (Check in at 12:00Hrs) one day after conclusion (Check out at 12:00 hrs) of the programme duration.
- Overstay charges of @ Rs.990/- per day, per head will be charged.
- Well developed Information Centre and internet facilities are available to the participants.