

Anna University

About the Institute

Anna University was established on **4th September 1978**. At present, Anna University is an Affiliating type of University with more than **500 colleges** affiliated to it. It offers higher education in Engineering, Technology and allied Sciences relevant to the current and projected needs of the society. Besides promoting research and disseminating knowledge gained there from, it fosters cooperation between the Academic and Industrial Communities.

About the Centre

The Centre for Water Resources (CWR) was established in May 1979, transforming the Division of Hydraulics and Hydrology to pursue teaching, research, consultancy and impart training programmes in Hydrology and Water Resources Engineering, Irrigation water Management, Water Quality and Quantity Management. Right from inception the Centre is academically supporting various subjects for B.E. Civil Engineering and selected subjects for students from other branches. The Centre has been supported in its development by UGC through its Department of Special Assistance, COSIST and DST FIST Programmes. UGC supports this Centre under Centre for Advanced Study (CAS) in Integrated Water Resources Management from 2015 to 2020. Two PG programmes namely M.E Hydrology & Water Resources Engineering and M.E Irrigation Water Management are being offered.

Laboratory Facilities

A fully equipped **Geographic Information System Lab**, with dedicated facilities for hands-on spatial data processing, hydrological modelling, and GIS visualization.

WORKSHOP OVERVIEW

Scope of the WORKSHOP

In light of emerging trends in academia, industry, government policies, and technological advancements, this two-day QGIS workshop develops a strong, fundamental understanding of **Geographic Information Systems (GIS)** using QGIS, with emphasis on spatial data management, analysis, and visualization through widely-adopted open-source tool. The thematic layers to support and water-resources planning, combining conceptual learning with hands-on exposure to real-world geospatial data.

WORKSHOP TOPICS

- ✓ Introduction to QGIS for hydrology and water resources engineering
- ✓ Coordinate reference systems & projections
- ✓ Georeferencing, digitization & layer management
- ✓ Spatial data handling & map preparation
- ✓ Terrain mapping & visualization using DEM
- ✓ Water resources applications of QGIS
- Hands-on training & case studies

30

SEATS ONLY



Hands-on
Practicals



Expert-led
Sessions



Certificate of
Participation



ANNA UNIVERSITY
CENTRE FOR WATER RESOURCES,
CHENNAI – 600025

TWO-DAY WORKSHOP ON

QGIS Applications in Water Resources Engineering

26th & 27th October 2026



CO-ORDINATOR

Dr. P. Supriya, Assistant Professor, CWR

VENUE - Pennycuik Hall, Centre for
Water Resources, Anna University,
Chennai

NO REGISTRATION FEE · SEATS LIMITED TO 30

HIGHLIGHTS OF THE WORKSHOP



Fundamental Understanding of GIS

Basic concepts and principles of Geographic Information Systems.

Spatial Data Management & Mapping

Spatial & non-spatial data concepts, coordinate reference systems, projections.

Exposure to QGIS Tools & Applications

Hands-on training in QGIS; raster & vector data handling; thematic map preparation.

Practical Applications of QGIS

Terrain & elevation analysis using DEM, land-use/land-cover operations, spatial analysis, geoprocessing.

Targeted Participants

B.E. / M.E. / Research Scholars / Faculty / Professionals in Civil Engineering, Water Resources Engineering and Geo-Informatics branches are eligible to attend.



COMMITTEE

CHIEF PATRON

The Convener Committee
Members

Anna University, Chennai

PATRON

Dr. V. Kumaresan,
Registrar

Anna University, Chennai

CHAIR

Dr.S.Valli

Dean CEG, Anna University

ADVISORY COMMITTEE

Dr. S. Kanmani, HoD

Department of Civil
Engineering

Dr.R. Saravanan,
Director,

Centre for Water
Resources

RESOURCE PERSONS

Faculty of CWR and Experts
from other institutes will
deliver the lectures.

Contact Details

Phone:044-22357455/7484

Email:cwrqgis@gmail.com

JOIN THE WORKSHOP



Instructions & Important Dates

- Selection is on a **first-come, first-served** basis
- Number of seats is restricted to **30**
- **No** registration fee
- **No** accommodation will be provided
- Selected candidates will be intimated **only** through e-mail

LAST DATE FOR APPLICATION

22.10.2026

INTIMATION OF SELECTION (BY E-MAIL)

on / before 23.10.2026

CONFIRMATION BY PARTICIPANTS

on / before 24.10.2026

Registration

The participant should upload the completed registration form and college ID/ employee ID/ Aadhaar card in the Google Form. Interested candidates have to register for the workshop using the Google Form link:

<https://forms.gle/Gj1Foug84AmMy3Gj8>

TWO-DAY WORKSHOP ON QGIS Applications in Water Resources Engineering 26th and 27th October 2026 REGISTRATION FORM	
Name	
Designation	
(Faculty/ Researcher/ Student/ Working Professionals)	
Institute Name	
Educational Qualification	
Experience	
Date of Birth	
Age	
Address of the Institution	
Address for Communication and Contact Details	Mobile No: Email ID:
Declaration	The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the Workshop. If selected, I shall attend the Programme for the entire duration. I also undertake the responsibility to inform the coordinator in advance if I am unable to attend the course. Place: Date: Signature of the Applicant
Nomination by the Head of the Institution	Mr./Ms./Dr.....is a Faculty/ Researcher/ Student/ Working Professionals of our Institute/Department and is hereby nominated for the above Workshop. He/She will be permitted to attend the programme, if selected. Signature and Seal of the Head of the Institution