

NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI

National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli is one among the premier Institutions of India and is well known for its high standards in teaching and research. It offers 10 undergraduate and 28 postgraduate programs in disciplines spanning Engineering, Science, Architecture, and Management. It has been declared as an Institute of National Importance by the Government of India under NIT Act. NIT Tiruchirappalli has consistently secured a leading position among all NITs in the NIRF India Rankings over the years. The Institute has signed MoUs with various Industries and Institutions both in India as well as in abroad to promote collaborative research and consultancy.

IMPORTANT DATES

Submission of Registration form (Google Form): **June 15th, 2026**

Intimation of Selected Candidates through Email: **June 16th, 2026**

ADDRESS FOR CORRESPONDENCE

The Coordinator

cCauvery

Department of Civil Engineering

National Institute of Technology, Tiruchirappalli

Tamil Nadu - 620015

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8502932688

DEPARTMENT OF CIVIL ENGINEERING

The Civil Engineering Department was established in the year 1964. The department offers Undergraduate (UG), Postgraduate (PG), M.S. (By Research) and Ph.D., Degree programs that provide students with the knowledge and tools they need to succeed in the Civil Engineering. Research in the department focuses on high-impact various disciplines: Structural Engineering, Geotechnical Engineering, Water Resources Engineering, Environmental Engineering, Remote Sensing and GIS, Construction Management and Transportation Engineering. Many of our Ph.D. graduates have taken up faculty positions in other NITs and IITs.

“CAMP” for Cauvery – Centre for Cauvery

The Centre for “Condition Assessment and Management Plan (CAMP)” is a notable initiative of National River Conservation Directorate (NRCD), Department of Water Resources, River Development and Ganga Conservation (Do WR, RD & GR), Ministry of Jal Shakti (MoJS), Government of India, aimed at preparing River Management strategies for six major rivers in the country including Cauvery River Basin.



जल शक्ति मंत्रालय
MINISTRY OF
JAL SHAKTI



One-Week Workshop on Professional Development on Soft Skills for Geospatial and AI Technologies in River Basin Management [Physical Mode]

(June 22 – 26, 2026)



COORDINATOR

Prof. Nisha Radhakrishnan

Co-COORDINATORS

Dr. S. Saravanan

Dr. Aneesh Mathew

Organized by

cCAUVERY

Department of Civil Engineering
National Institute of Technology
Tiruchirappalli, Tamilnadu-620015.
www.nitt.edu

Venue: cCauvery, Department of Civil
Engineering, NIT Tiruchirappalli

SCOPE OF THE WORKSHOP

The workshop focusses on the integration of advanced technologies in River Basin Management such as: Remote Sensing, Geographic Information System (GIS), Global Positioning System (GPS), LiDAR, Drone, Machine Learning (AI/ML)

- Covers modern survey and data acquisition tools such as: Remote Sensing, GIS, LiDAR, GPS, and Ground Penetrating Radar (GPR), Drone-based mapping and analysis
- Provides exposure to integration of Geospatial and AI/ML tools in real-world applications in the area of River basin Management: Water resources engineering, Climate change analysis, Disaster modelling and management, Flood Modelling, Pollution mapping, Soil Erosion
- Includes hands-on training sessions in: GIS and spatial data analysis, Ground-based and aerial data collection techniques, AI/ML workflows for geospatial datasets

RESOURCE PERSONS

Subject experts from prestigious academic institutions (like IITs, NITs, Foreign Universities), R&D organizations, and industries will deliver the workshop contents. The coordinators and student volunteers will mentor the hands-on sessions.

TARGET AUDIENCE

The workshop is intended for Students (UG, PG, Ph.D.) pursuing their degree from only AICTE approved Institution within India; Faculty from Academic Institutions & Practising Engineers from Research organizations and Industries and other stakeholders. With a view to give individual attention to the participants and to make the programme more effective, the number of participants is restricted to about 30.

REGISTRATION FEE

- For Practising Engineers – Rs. 2000/-
- For Faculty – Rs. 1500/-
- For Students – Rs. 1000/-

The Registration Fee shall be paid by **SBI Collect link** <https://onlinesbi.sbi.bank.in/sbicollect/>

Steps: Select Educational Institutes/ Filter: Tamil Nadu/ Conferences and Workshop NIT Trichy/ Payment Category **“CIVIL 2026 - AI Technologies in River Basin Management”** and complete the payment. Kindly update the transaction details in the registration form for confirmation.

Online registration form link:

<https://docs.google.com/forms/d/e/1FAIpQLSdQRaAJfSfEa2Z0JmKAO2KumoeDyf5-PXUf4d11O44D1DKKZg/viewform?pli=1>

Working lunch and Refreshments will be provided during the Seminar.

ACCOMODATION

Participants will be provided boarding and lodging in the Institute Guest House/Hostels (sharing) on PAYMENT basis. The participants who do not avail this facility will not be entitled to any rebate.

NO-OBJECTION CERTIFICATE

Certified that Dr./Mrs./Ms
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is a faculty/employee/student of this institution and if selected, he/she will be permitted to attend the **Seminar on “Professional Development on Soft Skills for Geospatial and AI Technologies in Civil Engineering”** during **June 22 - 26, 2026**.

This is to certify that this institute is recognized by AICTE.

Place:
Date: **Name & Signature**
(Project Supervisor/ HoD/ Head of Instituion)

One-Week Workshop on *Professional Development on Soft Skills for Geospatial and AI Technologies in River Basin Management* (June 22 – 26, 2026)

REGISTRATION FORM

1. Name:.....
2. (a)Age:..... b) Gender: Male/Female
3. Qualifications:.....
4. Designation:.....
5. Organisation:.....
6. Address for Communication:
.....
.....
.....
7. Mobile:.....Land Line:.....
8. E-mail:.....
9. Accommodation required? Yes/No

The information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the programme for the entire duration. I also undertake the responsibility to inform the Coordinator sufficiently in advance, in case I am unable to attend the programme.

Place:
Date: **Signature of the applicant**