



# **CSIR-CRRI TRAINING PROGRAMME ON GEO-SPATIAL TECHNOLOGY (GIS, GPS, RS etc.) FOR ROADS AND TRANSPORTATION**

**DURATION : 22-26 Feb 2027**

## **OBJECTIVES:**

- To understand the importance of GIS based database development for planning and management of roads and transportation
- Training in modern surveying techniques using GIS, GPS and RS technologies for preparation of network planning, geometric design and pavement maintenance management

## **TRAINING CONTENTS:**

- \* Introduction to GIS, GPS and Remote Sensing technologies
- \* Database development and management
- \* Digital map preparation and analysis
- \* Application of GIS for preparation of Road Network Plan
- \* Project preparation for road projects
- \* Modern surveying techniques and integration with GIS environment
- \* Road Information System (RIS) including integration of GIS case study
- \* Bridges information system in GIS
- \* Application of GIS in landslides and mitigation measures
- \* GIS based transportation planning models
- \* Demonstration and Hands-on-training in various GIS software

## **FACULTY:**

The Institute has got highly qualified & experienced faculties to impart training on each specific area.

## **ELIGIBILITY CRITERION:**

**Qualification** : Degree/ Diploma in Civil Engg.  
**Level** : Asst. Engineer & above.  
**Experience** : Two years & above in Road Construction activities

## **HOW TO APPLY:**

Application for nomination to a programme should be made in the prescribed application form given on our website. A separate application form should be used for each training programme. Nominations may also be sent through email.

## TRAINING FEE:

The training fee is as given below:

Offline Mode	For Student
For Indian Participant: ₹ 20,000/- + 18% GST	For Indian Student : ₹ 5,000/- + 18% GST
For SAARC Participant: US \$ 500/- + 18% GST	
For Other Countries : US \$ 600/- + 18% GST	

All payments are to be made in advance through e-transfer to the bank account details given below. This includes training registration fee and the study material to be provided during the training.

Name of the Bank : State Bank of India	
Branch Address : New Friends Colony, Community Centre, Delhi-110065	
Account Number : 30268867237	CRRITAN No : DELC00127B
Bank IFSC Code : SBIN0006069	GST No. (CSIR) : 07AAATC2716R1ZH

## ACCOMMODATION:

Limited Guest house/hostel accommodation within the campus is available (on payment basis) for outstation participants on request. Institute canteen facilities are available at reasonable rates. The Guest house/hostel charges for trainees are as given below:

- ₹ 600/- per person per day for Indian Nationals;
- ₹ 2,000/- per person per day for participants from SAARC countries;
- ₹ 3,500/- per person per day for participants from other countries.

## ABOUT CRRIT:

The Central Road Research Institute, New Delhi, established in 1952 as a constituent laboratory of CSIR, is engaged in research and development work on roads, bridges and transportation engineering and related areas. The Institute provides technical support to large number of users organisations in the country.

One of the priority areas of the activities of CRRIT has been to disseminate R&D results and innovations to the in-service engineers and other professionals in the field of highway engineering through a number of customised & regular training programmes. Over the years, more than 25,000 engineers have availed the training facilities. Presently, CRRIT is conducting 10 regular training programmes of varying duration to suit the requirements of different levels of engineers. Participants to these training programmes are drawn from MoRTH, PWD, CPWD, BRO, Public Sector Undertakings, Town Planning, Traffic Engineering Agencies, Commercial Units, Traffic Police Department, Private Consultants and Individuals.

## SPECIAL PROGRAMME:

Besides regular training programme, customized training programmes are also being organised on request to cater the needs of user organizations.

## For more information Contact :

### Training Organizer:

**Dr. K Ravinder**

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Liaison & Training Division CSIR -  
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New Delhi - 110025

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: Ext. 514

Email : **headilt.crrit@gmail.com**; headilt.crrit@nic.in

Website : <https://crridom.gov.in/training-events>

### Training Coordinator

**Dr. Ravindra Kumar**

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