



**National Level Inter-Disciplinary One  
Week Faculty  
Development Program on  
Remote Sensing and  
GIS Applications**

**(04.05.2026 to 08.05.2026)**

**Offline Mode**



**Organized  
by**

**Teaching Learning Centre of Excellence  
In association with  
School of Computer Science Engineering and  
Information Systems  
Vellore Institute of Technology  
Vellore 632 014, Tamil Nadu, India**

## **ABOUT VIT**

VIT was founded in 1984 as Vellore Engineering College by the Chancellor, Dr. G. Viswanathan. From its humble beginnings, the institution has grown exponentially to more than 45,000 students. It was conferred the University status in 2001 in recognition of its excellence in academics, research, and extracurricular initiatives. Currently, VIT has 5 campuses – in Vellore, Chennai, Amaravati (AP), Bangalore and Bhopal (MP). VIT has been consistently ranked among the best institutions of the country and is aspiring to emerge as a global leader. The National Institutional Ranking Framework (NIRF) of the MHRD, Government of India, has identified VIT as the best Private Engineering Institution in India. With students from all the states of India and from more than 70 countries, the cosmopolitan VIT provides an appropriate ambience for holistic learning and comfortable living. Sports, games and cultural activities are an integral part of student life on campus. VIT holds an exemplary placement record by consistently placing more than ninety percent of the students in good companies. The VIT's international linkages provide ample opportunities for students and faculty to gain global exposure. VIT alumni, spread across the world, are serving the most advanced as well as the most deprived.

## **ABOUT SCORE**

The School of Computer Science Engineering and Information Systems (SCORE) at VIT focuses on Information Technology, Software Engineering, and Domain-Specific Applications, preparing students with advanced knowledge, global competency, and a commitment to societal progress. According to the QS Subject Rankings, VIT's Computer Science and Information Systems program is ranked 86th

globally. SCORE offers diverse programs, including B.Tech, M.Tech, B.Sc. (Computer Science), BCA, MCA, and Ph.D. The school's key research areas encompass Artificial Intelligence, Machine Learning, Big Data, Cloud Computing, Quantum Computing, Data Mining, Image Processing, Cyber Security, Intelligent Systems, IoT, and Software Engineering. With a strong focus on research and industry collaboration, SCORE maintains industry-supported laboratories, a strong placement record, and active partnerships with leading organizations. The school is driven by a dedicated team of faculty, including several recognized among the Top 2% Scientists in the world (Stanford University, USA, 2024), supported by visiting professors and industry experts committed to excellence in teaching and innovation.

## **ABOUT THE FDP**

The Faculty Development Programme (FDP) on Remote Sensing and GIS Applications is designed to introduce participants to the fundamentals and practical aspects of geospatial technologies. Remote Sensing and GIS offers powerful tools widely used for spatial data collection, analysis, and visualization across domains such as environmental monitoring, agriculture, urban planning, disaster management, climate change assessment, natural resource management, etc. This programme aims to provide a strong foundation in key concepts of GIS, Global Navigation Satellite Systems (GNSS), and the basic principles of remote sensing. Participants will gain hands-on experience in geospatial workflows, including data acquisition, storage, processing, thematic mapping, and spatial analysis using open source GIS tools.

## TOPICS COVERED

- Introduction to Remote Sensing and GIS
- Introduction to Free and Open Source Software
- Data Processing using GIS tools
- Thematic Mapping and Spatial Analysis
- Generation of Maps/Dissemination
- ML for Remote Sensing and GIS
- GIS in governance

## TARGET GROUP

Faculty members, research scholars, and professionals working/interested in GIS and Remote Sensing.

## RESOURCE PERSONS

**Prof. PENNAN CHINNASAMY,**

Associate Professor, IIT Bombay

**Mr. NIHAR RANJAN, IFS,**

Chief Conservator of Forests (IT),

Tamil Nadu Forest Department

**Mr. M. ARULRAJ,**

Scientist/Engineer-SG, NRSC, ISRO, Hyderabad

**Dr. ELANGOBABU C,**

Tech Lead Consultant –TNGIS, TNeGA, Chennai

**Lt Col VS VELAN,**

Founder & CTO, Elena Geo Tech Pvt. Ltd.

**Commander SUDHEESH TM (Retd),**

CTO, mistEO Pvt Ltd, Trivandrum

**Mr. RAJ BHAGAT PALANICHAMY,**

Senior Program Manager, WRI India

**Mr. YOGESH PALANIVEL V**

Lead Business Analyst, FarmwiseAI Pvt. Ltd.,

**Ms. NISHALINI V,**

GIS developer, TNSPC, Chennai

**Dr. SURENDAR M,**

Associate Professor, VIT, Vellore

**Dr. JENILA VINCENT M,**

Asst. Prof., VIT, Vellore

## REGISTRATION DETAILS

The program will be held offline at VIT, Vellore. The registration fee for external faculty and industry participants is ₹500 (inclusive of GST). Participation is limited to 60 members on a first-come, first-served basis. Accommodation and food is not included in the registration fee.



## IMPORTANT DATES

Registration Open : 16.04.2026

Last Date for Registration : 02.05.2026

Confirmation of Participation : 03.05.2026

## CONTACT DETAILS

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## ORGANIZING COMMITTEE

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