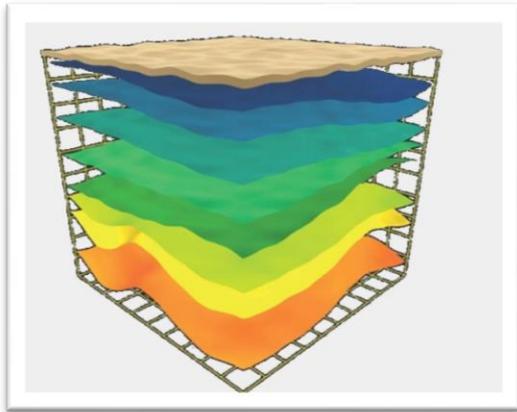


A Webinar on Geophysics for Site Characterization and Remediation Monitoring



02nd October 2021



Organized by

**Indian Geotechnical Society –Vellore
Chapter**

In association with

**School of Civil Engineering (SCE),
VIT, Vellore – 632014**



ABOUT VIT

Vellore Institute of Technology (VIT) was founded in 1984 as Vellore Engineering College by the Chancellor Dr. G. Viswanathan. VIT attracts students from all the 29 states of India and more than 41 different countries because of its academic excellence. Govt. of India recognized VIT as the Institute of Eminence (IoE). The credentials of VIT in academics and research, have placed VIT in the 12th position among the engineering institutions and VIT university has placed 13th position among the universities in India by NIRF, Govt. of India Ranking. The world ranking body namely the QS ranks VIT one among the Top 12 institutions of India in Engineering and technology and within the top 450 Universities in the World as per QS subject ranking, 2021. In addition to this, the consortium of industries, FICCI has adjudged VIT as the “Excellence in Faculty”. VIT has the record of publishing a maximum number of SCOPUS Indexed Research Journal papers from 2016 onwards, among Indian Universities, overtaking all the premier institutions. VIT has also completed 4 cycles of NAAC accreditation and has been rated as an “A++” grade institution. In addition, VIT also has obtained the coveted ABET accreditation from the US agency.

ABOUT SCE

The School of Civil Engineering (SCE) is a part of the institute since its inception. The school has grown tremendously over the past thirty years and

is now recognized as one of the major engineering schools in VIT. The school has 46 faculty members from elite institutions across the globe. Besides high-quality teaching and research at both UG and PG levels, faculty members of the school are actively involved in executing several R&D and Consultancy projects from government agencies including DST, ISRO, UGC, AICTE, and also from many reputed industries. The School of Civil Engineering, with its multifaceted faculty members, continues to maintain and cultivate its strong link with the infrastructural industry such as L&T, HCC, DLF, RAMCO, CCL, Godrej, TATA Consultancy, etc. Civil Engineering at VIT has been ranked within the top 501-600 Universities of the World, by the Times Higher Education (THE), World University Rankings by Subject 2021.

ABOUT IGS

The Indian Geotechnical Society (IGS) established in the year 1948, having headquartered at New Delhi, is promoting co-operation among engineers for the advancement and dissemination of knowledge in the field of Soil Mechanics and Foundation Engineering and allied fields and their practical applications. To promote closer interaction amongst geotechnical engineers spread all over the country, local chapters of the Society were introduced in 1968. IGS – Vellore Chapter was inaugurated in 2013 and various events have been organized continuously for the benefit of local engineers and students.

ABOUT THE PROGRAMME

The uses of geophysical methods to assist in site exploration have been in trend for decades. Various geophysical instruments have been designed to map the spatial variations in the physical properties of the subsurface. Especially, for large engineered structures and sites, the complex and changing subsurface are interpreted to generate sophisticated geological models. Despite being cost-effective, non-invasive and rapid means of obtaining subsurface information the geophysical methods are often criticized due to their uncertainty i.e. anomaly and ambiguity in their data. Thus, the deep knowledge of geophysics and field experience in applied geophysical methods is required to plan, conduct, analyze and interpret successful geophysical surveys in any terrestrial environment.

This webinar will focus on the successful implementation of geophysical surveys for geological mapping, groundwater exploration & geotechnical investigations. It covers all the aspects of designing field survey parameters, data processing & presentation, modelling, map production, interpretation and writing technical reports. The program also covers practical applications of geophysical methods in a variety of disciplines to achieve the most useful results for a specific environment with distinct stratigraphic and geological properties. It will help the participants to understand the principle

and apply suitable methods for geotechnical and geo-environmental applications

TOPICS TO BE COVERED

- Mapping of Karstic Features in Limestone using Microgravity for Geotechnical/Site Investigations
- Non-Destructive Soil Explorations using Ground Penetrating Radar
- Geophysical Investigations for Landslides

TARGET GROUP INCLUDES

- Students and Research scholars
- Faculty members from academic institutions
- Government/ Non-Government officials

REGISTRATION FEE

- **Rs.100/-** (Students and Research Scholars)
- **Rs.250/-** (Faculty members)
- **Rs.500/-** (Govt./Non-Govt. officials)

The registration fee as mentioned above is exclusive of GST. Registration charges include entry to online lectures and certificate (soft copy).

VENUE

Online through Microsoft Teams.

DATE & TIME

02nd October 2021/ 10.00 am - 5.00 pm (IST)

RESOURCE PERSONS

Mr. Jamaludin Othman

Founder/Owner/Principal Geophysicist,
subMap Geophysical Services SDN BHD,
Malaysia

Ms. Silky Agrawal

Founder,

GeoCarte Radar Technology Pvt. Ltd,
IIEC, IIT Gandhinagar Palaj Campus,
Gandhinagar, Gujarat.

Dr. Chandrasekaran S.S

Professor & Director

Centre for Disaster Mitigation & Management
(CDMM),
Vellore Institute of Technology, Vellore.

COORDINATORS

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REGISTRATION Kindly register through the given link:: <https://events.vit.ac.in/events/GCRM/> **on or before September 30th 2021.**

Note: The online link and other details of the webinar will be shared with the registered participants.
