

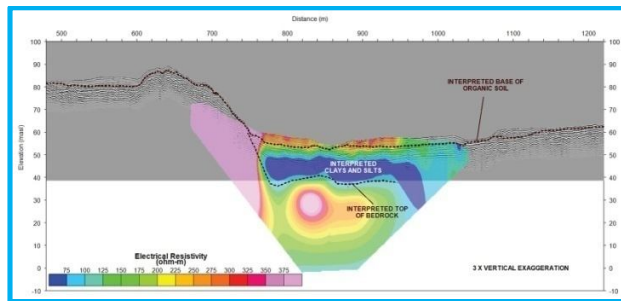


COEP PUNE

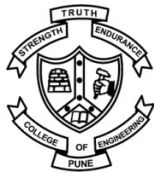
HEARTILY WELCOMES ALL

25TH – 30TH MARCH 2019

**"APPLICATION OF GEOPHYSICS
IN
GEOTECHNICAL ENGINEERING"**



An ERT resistivity model



Jointly Organized by

Dept of Civil Engineering & Dept of Physics
College of Engineering, Shivajinagar,
PUNE – 411 005, Maharashtra

PATRONS:

Shri R. Subrahmanyam IAS	Secretary, MHRD Delhi
Shri Saurabh Vijay IAS	Secretary, H&TEd Mumbai
Prof. Pratapsinh K Desai	President, ISTE Delhi
Prof. A D Shasrabuddhe	Chairman, AICTE Delhi
Dr. Vijay Bhatkar	Chairman, BoG COEP
Dr. Rajendra Hiremath	Member, BoG COEP
Er. Vilas S. Tawade	Member, BoG COEP
Shri Sanjay Inamdar	Member, BoG COEP
Dr. Abhay E. Wagh	Director, DTE Mumbai
Dr. B. B. Ahuja	Director, COEP
Dr. Mrs V. V. Bhosekar	Director, CWPRS

CONVENORS

Yashwant A. Kolekar	Convener
Dr. L. V. Bhandarkar	Convener

Co - CONVENORS

Dr Ramesh B. Kamble	Co - Convener
Prof Sariput Nawgahre	Co - Convener

Contact:

Yashwant A. Kolekar (PhD IIT Bombay)
Geotechnical Engineering Division,
Department of Civil Engineering,
College of Engineering,
Shivajinagar, PUNE – 411 005

Contact No. +91-94209 63672
+91-20-2550 7070

Email address: yak.civil@coep.ac.in

All India Council for Technical Education (AICTE)

The AICTE Act was constituted to provide for the establishment of an All India Council for Technical Education with a view to proper planning and coordinated development of a technical education system throughout the country, the promotion of qualitative improvements of such education in relation to planned quantitative growth, and regulation & proper maintenance of norms and standards in the technical education system and for the matters connected therewith.

All India Council for Technical Education (AICTE) was set up in November 1945 as a national-level apex advisory body to conduct a survey on the facilities available for technical education and to promote development in the country in a coordinated and integrated manner.

Indian Society for Technical Education (ISTE)

The Indian Society for Technical Education (ISTE) is the leading National Professional non-profit making Society for the Technical Education System in our country with the motto of Career Development of Teachers and Personality Development of Students and overall development of our Technical Education System. Being the only national organisation of educators in the field of Engineering and Technology, ISTE effectively contributes in various missions of the Union Government. The strength of ISTE is the strong base it has in technical education institutions in the country. At present, the ISTE has a very large and an effective membership base consisting of 154024 Life Members, 8 lakh Student members, 2734 Institutional Members, 1369 Faculty Chapters, 1479 Student Chapters at institutional level and 17 Sections at State level.

The major objective of the ISTE is to provide quality training programs to teachers and administrators of technical institutions to update their knowledge and skills in their fields of activity and to assist and contribute in the production and development of top quality professional engineers and technicians needed by the industry and other organizations.

College of Engineering Pune

The College of Engineering, Pune, established in the year 1854, is one of the oldest and premier engineering institutions in the country. Initially, it was started as the "Poona Engineering Class & Mechanical School" to train the subordinate officers for carrying out Public works like building Dams, canals, railways, roads, and bridges. Later on, the school became "Poona Civil Engineering College", and subsequently in the year 1911, the nomenclature was changed to the "College of Engineering, Poona". The institution was initially attached to the University of Bombay for a degree of Licentiate in Civil Engineering known as L.C.E. Later on, the certificate course was converted into a degree course and the first batch of the B.E. Civil degree came out in the year 1912. The Post graduate degree courses are being conducted in the various branches regularly since 1959.

Geophysics in Geotechnical Engineering:

Most construction engineering projects generally require information on subsurface ground conditions to maximum depths of only 50 meters (m) or so below the ground surface. This zone can encompass soil, groundwater, unconsolidated sediments, weathered rock, and competent bedrock. It can also contain products of our own invention, including utilities, buried waste, and contaminants. Typical parameters of interest to designers and engineers are the thickness and extent of layers, the physical properties of layers and any variability within them, and any structures within the ground. Having an understanding of what lies beneath before breaking ground can save significant costs to a construction project.

VISIT:

Geophysical laboratory at Applied Earth Sciences Division, CWPRS Khadakwasala

Eligibility:

The course is for full time teachers of **Civil Engineering/ Geology/Physics discipline**, from AICTE approved Engineering Colleges / Polytechnics / University Departments.

Venue: Kiroskar Auditorium,
BHAU Institute
College of Engineering,
Shivajinagar, PUNE

Resource Persons:

1. **Dr Hemant Kumar Singh** Professor, IIT Bombay
2. **Dr G Venkatachalam** Fmr Prof & HoD IIT Bombay
3. **Dr N Ghosh** Fmr Director CWPRS, Pune
4. **Dr Venkatraghavan** Principal, Wadia College Pune
5. **Dr R G Pardeshi** Principal, Fergusson Pune
6. **Dr C Subba Rao** Scientist D, CWPRS Pune
7. **Dr Rajib Sinharay** Petroleum Engg, MIT Pune
8. **Dr Almelu Hebalu** Asso. Professor, NIE Mysore
9. **Dr L. V. Bhandarkar** Asst. Professor, CoE, Pune
10. **Yashwant A. Kolekar** Asso. Professor, CoE, Pune

Registration details (FREE):

Caution money (**refundable**) of **Rs. 1,000/-** (Rs. one thousand only) per participant is to be paid in the form of Demand Draft drawn in favor of "**Director, College of Engineering, Pune**", payable at **Pune** along with the registration form duly filled and signed by Head of the Institution. In case the selected participant does not attend the course the above amount will be forfeited. The completed application form should be submitted on or before **18th March 2019**.

The applicants should send scanned copies of DD and registration form by E-mail to course coordinator and send the original DD + registration form by speed post/courier. The selected participants will be informed by e-mail only, latest by **19th March 2019**.

Accommodation & TA/DA:

TA / DA will be provided by this Institute to all the participants as per prevailing government norms. Free lodging and boarding facilities will be provided to all the outside participants in the hostel rooms/guest rooms.

AICTE-ISTE Sponsored Short Term Training Program "APPLICATION OF GEOPHYSICS IN GEOTECHNICAL ENGINEERING"

25TH – 30TH MARCH 2019

REGISTRATION FORM

1. Name: _____
2. Designation: _____
3. Organization: _____
4. Mailing address: _____
5. Member of ISTE _____
6. E-mail: _____
7. Contact No. _____

Date:

Signature of Applicant

Seal & Signature of Sponsoring of Authority

About the Picture: An ERT resistivity model plotted as a semi-transparent overlay on an approximately coincident processed GPR cross-section. Note the resistivity contrasts associated with the interface between clay and silt overburden and metamorphic bedrock, and between the organic soil layer and the clays and silts. The contact between the water saturated organic soil and the underlying mineral soil is evident as a strong reflection in the GPR data.