

# Process of Interactive Geotechnical Investigation

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**ONLINE COURSE ID : GEO-STR-001  
(2<sup>ND</sup> BATCH)**

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## BACKGROUND

**SQVe Consultants** is a recently established company with a vision of enhancing the engineering profession through its unique services. Name of the company is derived from first letters of the engineering goals, i.e. **S**chedule, **Q**uality & **V**alue engineering. One of the major focus area of the company is to develop unique courses so that the engineers can face challenges of the industry and utilize the acquired knowledge in the real practice. With this objective, we are glad to announce launch of the online course for the very important subject named as “**Process of Interactive Geotechnical Investigation**”.

For safety of the structure and cost optimisation, appropriate geotechnical investigation is extremely important. Apart from definite statistics, it can be said that the geotechnical failures are one of the major causes for collapse of the structures. In the typical fast track projects, sometimes proper interface is not carried out between geotechnical engineer and structural engineer which may affect adversely the major goals of engineering, i.e. safety of the structure and cost optimisation. Also, the project may get delayed substantially due to inappropriate soil investigation or may be due to lack of interface between geotechnical engineer and structural engineer.

## What is unique about this course?

- ✓ The course is designed by the **experienced engineers** (Vivek Kumar Mitra & Bhavin Shah) who have together more than four decades of experience in the field of geotechnical and structural engineering.
- ✓ The entire course is designed from the **practical aspects** which can be readily used in the real projects.
- ✓ The course is designed to have an **interactive mode** so that the problems / doubts of the participants can be addressed.
- ✓ The course includes a tutorial wherein the participants will get hands on experience related to **geotechnical engineering**.
- ✓ Certificate will be issued on successful completion of the online course wherein the **major areas covered** in the course will be mentioned in the certificate.

## Course Faculty

### ABOUT THE SPEAKER (GEOTECHNICAL EXPERT)



**MR. VIVEK KUMAR MITRA** is a renowned consultant in Geotechnical Engineering. He commenced his career as a GEOTECHNICAL ENGINEER at TATA Consulting Engineers Limited, Mumbai. Later he moved to organization like Bureau Veritas, Reliance, Impac, Egis Consulting Engineers. He was at Abu Dhabi for mega artificial Island Project in 2013 and represented ADNOC. He is geotechnical consultant for projects at Saudi Arabia, Kuwait, and Dubai.

He has worked in projects in the areas of Offshore, Infrastructure, Power, Refinery, Petrochemicals & Marine. He also handled with distinction various projects in Ports & Harbors, Mega-Infrastructure, Artificial Islands, Dredging / Land Reclamation and Oil & Gas, Ground Improvement for ultra-soft soil. He is the Founder & CEO of **VKM GEOTECHNICS** which he started in 2019.

### ABOUT THE FACILITATOR (STRUCTURAL EXPERT)



**Mr. Bhavin Shah** is passionate about Engineering profession with two decades of experience. He is having a dream for enhancing the engineering profession in different organisations. He completed graduation in Civil Engineering and Masters in Structures from Sardar Patel University. He is having unique experience of working in the specialized firm of civil / structural consultancy which grew as multidisciplinary firm (VMS), large multidisciplinary firm (L&T Chiyoda Ltd.) and owner based engineering set up (Adani Infra (I) Ltd.). He worked in different organisations at different levels, starting from junior design

engineer to CEO. He is Founder & CEO of **SQVe Consultants**.

## Methodology

- ✓ The entire course is designed in the ONLINE mode.
- ✓ The course will spread over **6 days** with **~2 contact hours** per day (**total contact hours : 12**)
- ✓ During the course, the interaction can be done with faculty using **customised discussion forum**.
- ✓ The sessions will be conducted using ZOOM software.
- ✓ Tutorial will be given to the participants pertaining to practical questions.

## Who should attend?

This course will be useful for following:

- ✓ Experienced Civil and Structural Engineers
- ✓ Graduate in Civil Engineering
- ✓ Post Graduate in Geotechnical Engineering
- ✓ Post Graduate in Structural Engineering
- ✓ PhD in Civil engineering who want to enhance their geotechnical engineering capability.

## Course starts from...

The course will commence from **22<sup>nd</sup> February 2021**. The detailed schedule is mentioned on the following page (no. 5).

## How to register for the course?

Please click on the following link and thereafter click on “Register Now”. Kindly note that limited seats are available.

<https://sqveconsultants.com/2020/10/14/online-course-process-of-interactive-geotechnical-investigation/>

## Schedule for the course : GEO-STR-001

DAY	No.	Title	By	Time (min)
<b>DAY 1</b> <b>DATE: 22-FEB-21</b> <b>TIME: 11 AM TO 1 PM IST</b>	1	Introduction and context setting of the course	Bhavin Shah	30
	2	Importance of interface between Geotechnical and Structural Engineer	Bhavin Shah	60
	3	Interaction		30
<b>DAY 2</b> <b>DATE: 23-FEB-21</b> <b>TIME: 11 AM TO 1 PM IST</b>	1	Interactive Geotechnical investigation -1	Vivek Mitra	45
	2	Interactive Geotechnical investigation -1	Vivek Mitra	45
	3	Interaction		30
<b>DAY 3</b> <b>DATE: 24-FEB-21</b> <b>TIME: 11 AM TO 1 PM IST</b>	1	Terms of Reference for Geotechnical Investigation - 1	Vivek Mitra	45
	2	Terms of Reference for Geotechnical Investigation - 2	Vivek Mitra	45
	3	Interaction		30
<b>DAY 4</b> <b>DATE: 25-FEB-21</b> <b>TIME: 11 AM TO 1 PM IST</b>	1	Discussion related to queries received from social media -1	Vivek Mitra & Bhavin Shah	45
	2	Discussion related to queries raised from social media-2	Vivek Mitra & Bhavin Shah	45
	3			30

DAY	No.	Title	By	Time (min)
		Discussion related to queries raised from social media-3	Vivek Mitra & Bhavin Shah	
<b>DAY 5</b> <b>DATE: 1-MAR-21</b>  <b>TIME: 11 AM TO 1 PM IST</b>	1	Soil investigation report - 1	Vivek Mitra	45
	2	Soil investigation report - 2	Vivek Mitra	45
	3	Interaction		30
<b>DAY 6</b> <b>DATE: 2-MAR-21</b>  <b>TIME: 11 AM TO 1 PM IST</b>	1	Discussion related to queries of the participants	Vivek Mitra & Bhavin Shah	90
	2	Discussion related to TUTORIAL (response to be submitted on or before 17-MAR-21 )	Vivek Mitra & Bhavin Shah	15
	3	Summary and concluding the course		15