



छोटुभाई गोपालभाई पटेल प्रौद्योगिकी संस्थान, बारडोली  
Chhotubhai Gopalbhai Patel Institute of Technology, Bardoli

**CHHOTUBHAI GOPALBHAI PATEL  
INSTITUTE OF TECHNOLOGY, UTU  
DEPARTMENT OF CIVIL  
ENGINEERING**

**Report on Hands on Training Session of Plaxis2D**

**Date : 20/03/2024**

**Venue : D-105 / Department of Civil Engineering, CGPIT**

**Time: 9:00AM – 11:00AM**

**Total No. of Participants: 10**

**Name of the Expert: Mr. Jenil C. Gandhi**

**(Geotechnical Engineer, Bhumi Research Centre, Surat.)**

**Event Coordinator: Asst. Prof. Grishma Thaker, Asst. Prof. Vaibhav Pawar**

**Program objective: To understand the application in the field of Geotechnical Engineering.**

**Program outline:** The session was so prepared, that students understand the basics of software and incorporate the application of software to analyze the geotechnical field problems.

**Program outcomes:** Participants understand the basics of software .do the hands on practice in preparing a software model and learn the analysis.

Schedule of Events in a tabular format

<b>Time</b>	<b>Activity</b>
9:00AM -9:05	Introduction of the expert
9:05AM – 9:30AM	Introduction of the software
9:30AM – 11:00AM	Hands on practice

List of Participants in a tabular format.

<b>Name of Participant</b>	<b>Stream</b>	<b>Name of Program</b>
Nikhil Dinesh Sonavane	Engineering	B.Tech Civil Engineering 6 <sup>th</sup> sem
Krutikkumar Bhagirathbhai Patel	Engineering	B.Tech Civil Engineering 6 <sup>th</sup> sem
Mihir Rakeshkumar Patel	Engineering	B.Tech Civil Engineering 6 <sup>th</sup> sem
Manan Bhaveshbhai Chauhan	Engineering	B.Tech Civil Engineering 6 <sup>th</sup> sem
Devang Lalitbhai Tank	Engineering	B.Tech Civil Engineering 6 <sup>th</sup> sem
Keval Haresbhai Patel	Engineering	B.Tech Civil Engineering 6 <sup>th</sup> sem
Tejal Rameshbhai Bhatu	Engineering	B.Tech Civil Engineering 6 <sup>th</sup> sem
Smruti Dharmeshbhai Maisuriya	Engineering	B.Tech Civil Engineering 6 <sup>th</sup> sem
Snehal Gamanbhai Gamit	Engineering	B.Tech Civil Engineering 6 <sup>th</sup> sem
Abhishek Kirankumar Maisuria	Engineering	B.Tech Civil Engineering 6 <sup>th</sup> sem
Soham Dipakbhai Vashi	Engineering	B.Tech Civil Engineering 6 <sup>th</sup> sem

### **Details of the session:**

The main objective the session is to make Civil Engineering students familiar with the software that is used by the professionals in the consultancy.

To make students aware about the applications of the varied software in the field of civil engineering. The students also get to know the importance of Geotechnical Engineering and software's are helpful in analyzing the real world problems.

The speaker is a Geotechnical Engineer in the Bhumi research center, Surat. He has experienced in the field of foundation, deep wall and deep excavation design and analyses.

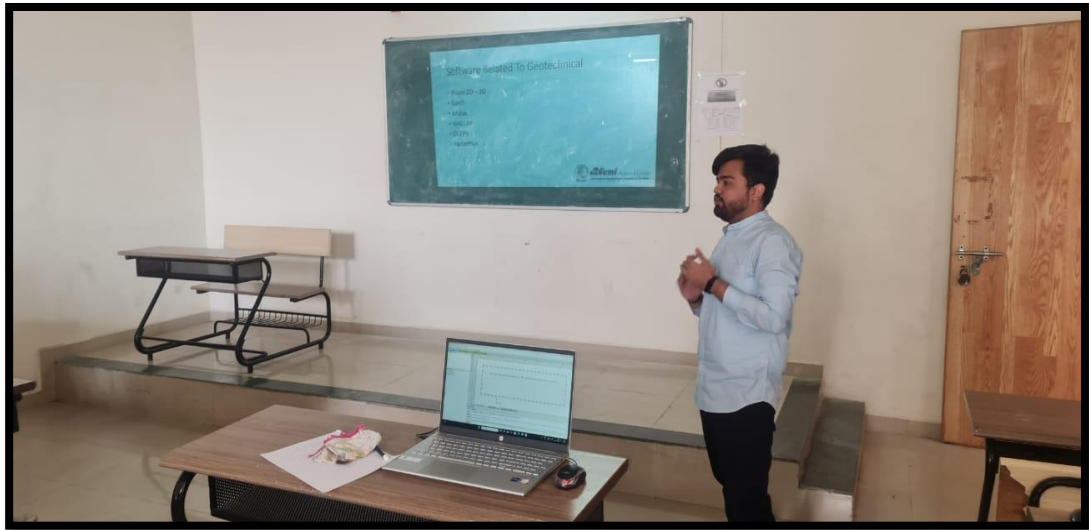
The speaker describe the importance of the varied software available. He highlights the features of the PLAXIS2D, along with the application of in the geotechnical engineering.

Speaker describe the step by step procedure for the model preparation and run analysis. All the steps involved in standard analysis and report generation is well discussed with the participants. Lastly, speaker also help students to generate model in the software and provide a hands on practice.



Introduction to the session





Introduction to the software



Hands-on practice discussion





Interaction with students for doubt solving

### **Concluding Remarks**

- The session was very informative and students interact with the speaker very well and discuss the problems/questions rise during the hands on practice.

Report prepared by: Asst. Prof. Grishma P. Thaker

Date: 20/03/2024

Sign of the HOD