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# GURU NANAK INSTITUTE OF TECHNOLOGY

**City Office:** B2, 2<sup>nd</sup> Flr, Above Bata, Vikrampuri Colony, Karkhana Road, Secunderabad-50009, Telangana, India.  
Ph: +91-40-6632 3294, 6517 6117, Fax: +91-40-2789 2633

**Campus:** Ibrahimpatnam, R.R. District, Hyderabad-501506, Telangana, India. Ph: (0/95) 8414-20 21 20/21

## DEPARTMENT OF CIVIL ENGINEERING

Date: 05/02/2019

### CIRCULAR

Technical Training for II B. Tech students are starting from 12/02/2019 to 24/02/2019. All HODs and Placements coordinators have to manage the trainings and ensure 95% attendance all through the sessions.

All Mentors need to send the compiled feedback report to Mr. S. Madan Mohan, HOD at [hodcivil.gnit@gniindia.org](mailto:hodcivil.gnit@gniindia.org) daily. Mentors are advised to take care of PNR (Students not participating in training).

Agenda:

**PL AXIS.**

**HOD-CE**



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## SYLLABUS FOR PLAXIS

SNO.	TOPIC COVERED	DURATION
1	Introduction of PLAXIS	3
2	LE method, FE/FD methods, Vertical Slices	4
3	Factor of Safety (FOS), Finite Element (FE) Method	3
4	Finite Difference (FD) Technique, Benefits	3
5	Calculation of SLOPE/W, Slip Surface Entry & Exit	4
6	SOLVE Process, Morgenstern-Price Method	3
7	Calculation of FLAC, Required Soil Properties,	2
8	About plaxis, Staged Construction, Phi-c Reduction,	4
9	FLAC/Slope Analysis, Results	3
10	PLAXIS Analysis ,Results	2

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## LIST OF REGISTERED STUDENTS FOR PLAXIS

S.No	H. T. No.	NAME OF THE STUDENT
1	163831A0101	VENNELA.S
2	163831A0102	A.RAJESH
3	163831A0103	A.MANASA REDDY
4	163831A0104	A.GREESHMA REDDY
5	163831A0105	I.ANIRUDH REDDY
6	163831A0106	A SRIJA
7	163831A0107	B.PAVAN REDDY
8	163831A0110	B.LIKITHA
9	163831A0111	B.SAI KRISHANA
10	163831A0113	B.DIVYA
11	163831A0115	JOSEPH
12	163831A0116	RESHMA
13	163831A0121	D.LOKESH
14	163831A0122	D.VAMSHI KRISHNA
15	163831A0124	D.YESHWANTH
16	163831A0126	E.RISHIKA RAJ
17	163831A0129	G.PRATHYUSHA
18	163831A0130	G.KEERTHI
19	163831A0133	G.VAISHNAVI
20	163831A0135	G.LIKITHA
21	163831A0136	GURPREETH



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22	163831A0137	JAHNAVI.J
23	163831A0138	J.GOWTHAM
24	163831A0140	ANUJA.K
25	163831A0141	M.RAM DESHAI
26	163831A0145	K.CHANAKYA
27	163831A0150	LALITHA
28	163831A0155	M.RAHUL REDDY
29	163831A0156	M.SAI TEJA
30	163831A0153	HASTHESH
31	17835A0111	RAKESH
32	17835A0116	KEERTHANA
33	17835A0106	SRUJANA
34	17835A0108	JAYALAKHMI
35	16831A0132	G. PRAVEEN KUMAR
36	16831A0131	G. SAIRAMESH
37	16831A0134	G. NAVEEN
38	16831A0163	MANVITHA
39	16831A0164	SHANTHI KISORE
40	16831A0166	MANISH
41	16831A0176	N SAI KUMAR
42	16831A0182	NIKILA
43	16831A0187	USHA SRI
44	16831A0191	PAVANI.V
45	16831A0192	SRIKAR
46	16831A0197	P CHARAN KUMAR



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47	16831A01A1	MOHSIN AHMED
48	16831A01A4	SAI MUKESH
49	16831A01A7	SD FAYAZ
50	16831A01A8	RAM NARSIMHA
51	16831A01B0	SOFIA .SK
52	16831A01B1	S VENKATESH
53	16831A01B8	T SADHANA
54	17835A0103	MEGHANA
55	17835A0114	M. RANJITH
56	17835A0105	G. PAWANKALYAN
57	17831A0171	MOGILI ROHINI
58	17831A0181	P PRIYANKA

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## DEPARTMENT OF CIVIL ENGINEERING

### PLAXIS QUESTION PAPER

**Duration:** 120 min

4 x5=20 marks

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**Answer the following all questions. Each question carries 5 marks**

1. Explain in detail about plaxis software ?
2. Explain about slope/ W analysis?
3. Write in detail about Flac?
4. Execute in detail about plaxis analysis?

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## RESULT SHEET FOR PLAXIS REGISTERED STUDENTS

S.No	H. T. No.	NAME OF THE STUDENT	MARKS	RESULT
1	163831A0101	Vennela.S	18	PASS
2	163831A0102	A.Rajesh	16	PASS
3	163831A0103	A.Manasa Reddy	15	PASS
4	163831A0104	A.Greeshma reddy	12	PASS
5	163831A0105	I.Anirudh reddy	17	PASS
6	163831A0106	A srija	16	PASS
7	163831A0107	B.Pavan reddy	18	PASS
8	163831A0110	B.Likitha	17	PASS
9	163831A0111	B.sai krishana	15	PASS
10	163831A0113	B.Divya	16	PASS
11	163831A0115	Joseph	18	PASS
12	163831A0116	Reshma	19	PASS
13	163831A0121	D.Lokesh	18	PASS
14	163831A0122	D.Vamshi krishna	16	PASS
15	163831A0124	D.yeshwanth	18	PASS
16	163831A0126	E.Rishika Raj	10	PASS
17	163831A0129	G.Prathyusha	16	PASS
18	163831A0130	G.Keerthi	16	PASS
19	163831A0133	G.Vaishnavi	18	PASS
20	163831A0135	G.Likitha	19	PASS



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21	163831A0136	Gurpreeth	6	FAIL
22	163831A0137	Jahnavi.j	15	PASS
23	163831A0138	J.Gowtham	7	FAIL
24	163831A0140	anuja.k	15	PASS
25	163831A0141	M.Ram deshai	16	PASS
26	163831A0145	K.Chanakya	14	PASS
27	163831A0150	LALITHA	18	PASS
28	163831A0155	M.Rahul Reddy	12	PASS
29	163831A0156	M.Sai teja	16	PASS
30	163831A0153	HASTHESH	16	PASS
31	17835A0111	RAKESH	15	PASS
32	17835A0116	Keerthana	6	FAIL
33	17835A0106	Srujana	15	PASS
34	17835A0108	Jayalakhmi	16	PASS
35	16831A0132	G. praveen kumar	18	PASS
36	16831A0131	G. sairamesh	14	PASS
37	16831A0134	G. naveen	16	PASS
38	16831A0163	Manvitha	15	PASS
39	16831A0164	Shanthi kisore	14	PASS
40	16831A0166	Manish	5	FAIL
41	16831A0176	N Sai kumar	18	PASS
42	16831A0182	Nikila	19	PASS
43	16831A0187	Usha Sri	16	PASS
44	16831A0191	Pavani.V	16	PASS
45	16831A0192	Srikar	18	PASS



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46	16831A0197	P Charan kumar	17	PASS
47	16831A01A1	Mohsin Ahmed	16	PASS
48	16831A01A4	sai mukesh	12	PASS
49	16831A01A7	Sd Fayaz	16	PASS
50	16831A01A8	Ram narsimha	18	PASS
51	16831A01B0	Sofia .SK	15	PASS
52	16831A01B1	S venkatesh	13	PASS
53	16831A01B8	T Sadhana	15	PASS
54	17835A0103	Meghana	16	PASS
55	17835A0114	M. ranjith	16	PASS
56	17835A0105	G. pawankalyan	18	PASS
57	17831A0171	MOGILI ROHINI	12	PASS
58	17831A0181	P PRIYANKA	14	PASS

**No of students Registered = 58**

**No of students Passed = 54**

**No of students Failed = 04**

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## Department of Civil Engineering

### Summary Plaxis ( Geotechnical engineering)

- **PLAXIS** is program that has been developed specifically for the analysis of deformation, stability and flow in **geotechnical engineering**.
- The input procedures enable the enhanced output facilities provide a detailed presentation of computational results.
- PLAXIS 2D is a powerful and user friendly finite element package intended for two-dimensional analysis of deformation and stability in geotechnical engineering and rock mechanics.
- PLAXIS is used worldwide by top engineering companies and institutions in the civil and geotechnical engineering industry.
- Applications range from excavations, embankment and foundations to tunneling, mining and reservoir geo mechanics.

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Ibrahimpattam, R.R District - 501 506 Hyderabad, Telangana, India.

Department of Civil Engineering

TWO WEEK CERTIFICATE COURSE

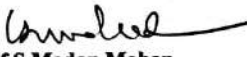
ON

"PLAXIS"

12-02-2019 – 24-02-2019

CERTIFICATE OF COMPLETION

This is to certify that Mr./ Ms. Mr. SAI RAMESH  
Of III - CE has Successfully completed Two week certification course on  
"PLAXIS" held during 12-02-2019 to 24-02-2019 at Guru Nanak Institute of Technology, Hyderabad.

  
Prof. S. Madan Mohan  
DEPARTMENT OF CIVIL ENGINEERING  
GURU NANAK INSTITUTE OF TECHNOLOGY  
Ibrahimpattam, R.R. Dist, T.S. - 501 506

  
PRINCIPAL  
Guru Nanak Institute of Technology  
Khanapur, Ibrahimpattam, R.R. Dist. T.S. - 501 506  
Principal