

REPORT ON

“Geotechnical Challenges-Case Histories”

Seminar on 24 March 2021

Geethanjali College of Engineering and Technology, Civil Engineering Department, organized a seminar for inaugurating “**Indian Geotechnical Society - Student Chapter**” by an expert lecture on Geotechnical Challenges - Case Histories. The seminar started at 2:30pm with an introductory speech by **Dr. R.Prasanna Kumar (Prof, Head of Department)** followed by a welcome speech by **Mrs.K.Priyanka (Asst.Prof)**. The session was taken over by **Prof.M.R.Madhav, IIT Kanpur**.

Topics covered are :-

- 1) Gabions for coastal protection
- 2) Slope protection in lower Himalayas
- 3) Highly reinforced soil walls
- 4) Reinforced foundation bed on soft ground
- 5) Gabion faced wall and slope
- 6) Overburden dump reclamation-sustainable development
- 7) Development in Kaleshwaram and Polavaram projects

1. Slope protection in Lower Himalayas

-> Slope failure at an industrial site in Sikkim along the banks of Rishi Ganga river

-> Height of slope at the sites = 75m

Reason for failure:


A drain coming out of the industry was leaking water and destabilizing the rock beds generally lower Himalayas consisting of sedimentary and metamorphic formations unlike igneous they are not very hard strata and are susceptible to water. The drain coming out of the factory was the reason for slope failure.

Solution to stop this slope failure:

Reinforced earth walls

2. Gabions for coastal protection:

Case study about Coastal bank protection at Gandhar oil fields, Gujarat

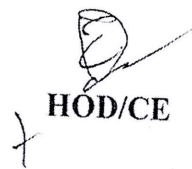

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PSO 3: Shall interact and collaborate with stakeholders; execute quality construction works applying Civil Engineering tools namely, Total Station, Global Positioning System (GPS), ArcGIS, AutoCAD, STAAD and other necessary tools.

Expert Lecture Coordinators

G.Raju, Asst.Prof, CED

D.Ramachander, Asst.Prof, CED



HOD/CE



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Geethanjali College of Engineering and Technology
Cheeryal(V), Keesara (M), Medchal.Dist - 501301

Department of Civil Engineering

22-03-2021

To,

The Principal,
Geethanjali College of Engineering and Technology,
Cheeryal(v), Keesara (M).

Respected sir,

Sub: Permission for organizing a Guest lecture on "Geotechnical Challenges - Case Histories" on 24th March-2021 -Reg.

The Department of Civil Engineering is planning to Inaugurate Indian Geotechnical Society (IGS) students chapter in our college. In this connection Prof M.R.Madhav of IIT Kanpur has kindly consented to inaugurate the chapter and address our civil engineering students on the topic "Geotechnical Challenges - Case Histories", on 24/3/2021 at 2:30 pm

Hence I request you to please permit us to organize the same and also sanction an honorarium of Rs 5000/- for the guest

Thanking you,

Regards

IGS faculty coordinators

K. Priyanka *K.Priyanka*

V. Abdul Raffi *V. Abdul Raffi*

Submitted to the Principal.

for approval.

R. P. Rao
R. P. Rao

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Please go ahead.

To
A/C

SW
22/03/21



Geethanjali College of Engineering and Technology

UGC Autonomous Institution

Accredited by NAAC, Approved by AICTE and affiliated to JNTUH

Organized by

Department of Civil Engineering

Expert lecture

on

"Geotechnical Challenges-Case Histories"

Date: 24.03.2021 & Time: 2.30PM-4.00PM



Prof. M.R. Madhav,

IIT Kanpur.

Geotechnical Challenges-Case Histories-24/3/21

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meet.google.com/fhq-xhya-byi?pli=1&authuser=2

REC

18R11A0127 KATAKAM SHIVANI has left the meeting

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Guest Lecture Organized by CE Dept

Guest Lecture Organized by CE ...

(95)

18R11A01B5 VELLOR JAI...

18R11A01B6 VUSIKE PAL...

18R11A01B7 YARANAGU...

18R15A0102 KUNDARAP...

18R15A0104 MANGALA...

18R15A0113 BATHULA S...

Raise hand

Present now

14:30
24-03-2021

Geotechnical Challenges-Case Histories-24/3/21

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Link - guggillaraju.ce@gcet.edu.in | Inbox (13) - guggillaraju108@gmail.com | Meet - Guest Lecture Organize

meet.google.com/fhq-xhya-byi?pli=1&authuser=2

Apps | Distribution HYD | Personal Meeting Link | Meet - CE 38 | Reading list

REC | **M** Madhav Madhira is presenting

Kaleshwaram Project

SCHEMATIC DIAGRAM OF KALESHWARAM LIFT IRRIGATION SCHEME

PHOTOGRAPH OF KALESHWARAM DAM

M 20R15A0102 Mr. AMEERPET ...

E 19R15A0105 ENTHALA HARS...

Madhav Madhira

Guest Lecture Organized by CE ...

(78)

- M** Madhav Madhira Presentation
- N** Navaneetha GCET
- P** PURUMANI SUPRIYA GC...
- reaz basha
- V** V.NAVODAYA GCET
- V** VUPPU ANUSHA GCET

Raise hand | Madhav Madhira is presenting

Guest Lecture Organized by CE Dept

Class-List (2021-03-....html) | Class-List (2021-03-....html) | Show all

15:22 24-03-2021

Geotechnical Challenges-Case Histories-24/3/21

PRINCIPAL
 Geethanjali Collene of Engg. and Tech
 Cheeryal, (T), Nellore (D), Andhra Pradesh (A.P.) - 501 301

[Handwritten Signature]

M 20R15A0128 Mr. CHIRIPURAM SIRI... and 50 more 68 15:36 You

Ramachander Damera	17R11A0173 N SAI NIH...	ABDUL RAFFI .V GCET	20R15A0102 Mr. AMEE...	19R15A0105 ENTHALA...	19R11A0103 B SRIKAR
19R11A0120 GADDAM...	18R11A01B3 V VISHNU...	19R15A0108 GUDLA VY...	20R15A0119 Miss GOU...	19R11A0126 JONNAWA...	18R11A01B7 YARANAG...
16R15A0124 PAILI V HARI CHANDRA PRASAD BOSE has left the meeting					
17R11A0171 N LALIHA	DE-VULAPALLI VARUN K...	17R11A01A4 KATTELA...	18R15A0102 KUNDARA...		

Guest Lecture Organized by C Dept

