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DEPARTMENT OF CIVIL ENGINEERING

Details of Online webinar Conducted For the month of January-2024

Topic: Estimation of settlement in granular pile reinforced ground

Speaker: Dr. K.Suresh, Professor and Head, Department of Civil Engineering, Nalla Malla Reddy Engineering College, Divyanagar, Kachivanisingaram, Near Narapally Ghatkesar Mandal, Medchal District- 500088.T.S., INDIA (15.09.2022- Till Date) Date January 31st, 2024

Time: 3.00 PM onwards

Venue: Online

The Webinar on “Estimation of settlement in granular pile reinforced ground ” was held on January 31st, 2024, in Geotechnical Engineering group organisation. Dr. K.Suresh, Professor and Head, Department of Civil Engineering, Nalla Malla Reddy Engineering College, Divyanagar, Kachivanisingaram, delivered a remarkable presentation on this critical Estimation of settlement in granular pile reinforced ground issue. The event began with a warm introductory speech by Mr. K.Shyam Chamberlin, setting the stage for the enlightening discourse.

Dr. K.Suresh academic journey, **Dissertation: Analysis of Creep response of Granular Pile Reinforced Ground** in a Ph.D. in Geotechnical Engineering from the JNTU College of Engineering, JNTUH –Hyderabad, India. (Full-time Scholar) Ph.D- Doctor of Philosophy in Civil Engineering, August 2013 (Awarded in Feb-2016) Major Area: Geotechnical Engineering, was highlighted. Her postdoctoral stint at JNTU College of Engineering, JNTUH –Kakinada. Her extensive research interests, including Sanctioned Travel Grant from Science and Engineering Research Board, SERB (DST) for attending The Thirty-Fifth International Conference on Solid Waste Technology and Management at Annapolis, Washington DC, USA held on 22-25- March 2020 at Widener University. -2020 2. Received Research Grant titled “ Science Technology and innovation HUB for ST community in Medchal” from Department of Science and Technology, DST (Rs 298 Lakhs)-2020 Grant No:DST/SEED/TSP/STI/2019/94 3. Received Research Grant titled “ Geotechnical and Chemical Characterization of Coal Mine Waste and its Efficacy

in pavement/fill construction on clayey subgrade” under collaborative research scheme TEQIP-III, JNTUH (Rs 3.0 Lakhs)-2019 Grant No:JNTUH/TEQIP/CRS/2019/Civil.

Dr. K.Suresh having Patents and AWARDS 1.

DYNAMIC ANALYSIS OF EARTHQUAKE RESISTANT STRUCTURES

<https://www.cmrcet.ac.in/assets/downloads/Patents/9.pdf>

2. Method For Providing A Multi Directional Theft Onitoring System For Tracking Vehicles And Alerting Owners In Real-Time dated on 29/01/2022 file number 202241004999 A.

3. Cutter Device for Removing Invasive Plant Species time dated on 3/9/2020 file number 202041038054 A

1. Received Full time research scholar Fellowship from MHRD, India for doing Ph.D
2. Received GATE fellowship from MHRD, India for doing Masters
3. Received 3rd Prize from 2nd Indian Young Geotechnical Engineers Conference held by JNTU Kakinda o 14-15 March –2009 .

About the webinar The audience gained a profound understanding of the topic, making it a highly informative session.

Mr. K.Shyam Chamberlin expressed gratitude to Dr. K.Suresh for her invaluable contribution and to the faculty, staff, and the enthusiastic audience for their role in organizing and participating in the event. The lecture concluded with a call to apply the gained knowledge in daily life for the betterment of the Settlement Analysis.

The Webinar by Dr. K.Suresh was a resounding success, shedding light on the Estimation of settlement in granular pile reinforced ground and inspiring the audience to take action for a future development of the civil engineering applications.

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Participants (29)

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AK Adarsh Kumar

DN Dr. Lingeshwaran N

DP Dr. PALLEBOINA POLU...

HY Hillary A. Yeheyo

RT raja thammana

SN Sandeep Kumar Namburu

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P P.Vishnupriya

PN palaparthi Nagaraju

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R Rizwana

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The block diagram for estimation of soil loss by USLE

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graph TD
    A[Rainfall data from rain gauge station] --> B[LISS III IRS ID image]
    B --> C[Contour map]
    B --> D[Soil structure code map]
    B --> E[Permeability class map]
    C --> F[DEM generation]
    F --> G[Slope map]
    G --> H[S factor map]
    G --> I[L factor map]
    H --> J[R factor]
    H --> K[P factor map]
    I --> L[C factor map]
    I --> M[LS factor map]
    J --> N[Soil erosion map]
    K --> N
    L --> N
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    N --> O[Soil loss map]
  
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Prof.P.Sundara Kumar
Co-host

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graph TD; A[Rainfall data from rain gauge station] --> B[Geospatial correction]; A --> C[Classification]; A --> D[R factor]; B --> E[DEM generation]; B --> F[Slope map]; E --> F; C --> G[Land use/Landcover map]; C --> H[P factor map]; G --> H; F --> I[S factor map]; F --> J[L factor map]; I --> K[C factor map]; I --> L[LS factor map]; J --> K; J --> L; K --> M[Soil erosion map]; L --> M; N[Soil structure code map] --> O[K factor map]; P[Permeability class map] --> O; Q[% of organic matter] --> O; R[% of SA] --> O; S[% of clay] --> O; O --> M;
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The block diagram for estimation of soil loss by USLE

Participants (71)

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P P.Vishnupriya

PN palaparthi Nagaraju

RT raja thammana

R Rizwana

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Sub: Webinar (Online) on “ESTIMATION OF SETTLEMENT IN GRANUAL PILE REINFORCED CROUND” by the Department of CE,
KLEF – Reg.

Ref: Letter dated 29.01.2024 from Dr. P. Poluraju, HoD - CE.

Roll Number	Reg.No	Student Name	Attendance	Duration	Connection Ty
1	2000020002	BAIRAGANI MAHESH GOUD	120 mins	120 mins	Web app
2	2000020004	E.Deekshit	120 mins	120 mins	Web app
3	2000020006	SHAIK.JAMAL BASHA	120 mins	120 mins	Web app
4	2000020008	KANDADI SAINATH REDDY	120 mins	120 mins	Web app
5	2000020009	KONERU MOHANA KRISHNA	120 mins	120 mins	Web app
6	2000020010	Deepak Nayak M	120 mins	120 mins	Web app
7	2000020011	M.VISHNU TEJA	120 mins	120 mins	Web app
8	2000020012	M. SRI SAI CHAITANYA	120 mins	120 mins	Web app
9	2000020013	PENDYALA DHANYA SIRI	120 mins	120 mins	Web app
10	2000020014	R. Manas Sai Krishna	120 mins	120 mins	Web app
11	2000020015	Hem Haneesh	120 mins	120 mins	Web app
12	2000020016	SOMA RANJITH	120 mins	120 mins	Web app
13	2000020017	AMEER BASHA SYED	120 mins	120 mins	Web app
14	2000020019	V M SIDDHARTHA REDDY	120 mins	120 mins	Web app
15	2000020020	Y Manoj Kumar	120 mins	120 mins	Web app
16	2000020021	M HARSHA VARDHAN	120 mins	120 mins	Web app
17	2000020022	Ch.V.N.S.Mounika	120 mins	120 mins	Web app
18	2000020023	Y VAMSI KRISHNA	120 mins	120 mins	Web app
19	2000020024	G VYSHNAV	120 mins	120 mins	Web app
20	2000020026	BOMMISSETTY BHANU TEJA	120 mins	120 mins	Web app
21	2000020027	POLU ANIL KUMAR	120 mins	120 mins	Web app
22	2000020030	K DINESH RAJU	120 mins	120 mins	Web app
23	2000020031	M.M.N.MANEENDAR	120 mins	120 mins	Web app
24	2000020033	M.Krishna	120 mins	120 mins	Web app
25	2000020034	Palagani Mahesh Raja	120 mins	120 mins	Web app
26	2000020035	Sowmya Chowdary Nelakuditi	120 mins	120 mins	Web app
27	2000020036	T. Yuva sai charan	120 mins	120 mins	Web app
28	2000020037	Lakshman Kumar Kagitha	120 mins	120 mins	Web app
29	2000020039	Tupakula Akhil Sai	120 mins	120 mins	Web app
30	2000020040	Muntha Jithendra Gowtham	120 mins	120 mins	Mobile app
31	2000020041	RANASTALA ABHISHEK	120 mins	120 mins	Mobile app
32	2000020042	Y. HARSHA REDDY	120 mins	120 mins	Mobile app
33	2000020044	Sneha	120 mins	120 mins	Mobile app

34	2000020045	Utkrista Pokharel	120 mins	120 mins	Web app
35	2000020046	Axella	120 mins	120 mins	Web app
36	2000020048	KANAMUGIRE SIBO Cyrille	120 mins	120 mins	Web app
37	2000020049	Assoumpta	120 mins	120 mins	Web app
38	2000020050	CLARISSE	120 mins	120 mins	Web app
39	2000020051	Elizah A	120 mins	120 mins	Web app
40	2000020052	Mumbere Timothy	120 mins	120 mins	Web app
41	2000020053	Zalwango Swabrah	120 mins	120 mins	Web app
42	2000020055	Derrick Banda	120 mins	120 mins	Web app
43	2000020058	P SHYAM CHANDU	120 mins	120 mins	Web app
44	2000020062	K CHARAN TEJA	120 mins	120 mins	Web app
45	2000020063	Abhijit Mandal	120 mins	120 mins	Web app
46	2000020064	Sambhu Kumar Shah	120 mins	120 mins	Web app
47	2000020065	Suruchi Kunwar	120 mins	120 mins	Web app
48	2000020066	Aniket Kumar Ram	120 mins	120 mins	Web app
49	2000029001	GELLA RAJESH	120 mins	120 mins	Web app
50	2000029002	B.HEMANTH KUMAR MUDHIRAJ	120 mins	120 mins	Web app
51	2000029003	SYED ARSHAD	120 mins	120 mins	Web app
52	2000029004	K.CHANDU PRAKASH	120 mins	120 mins	Web app
53	2000029005	D.HARSHITHA	120 mins	120 mins	Web app
54	2000029006	A.VIVEK REDDY	120 mins	120 mins	Web app
55	2000029008	Patnam Pavan Kalyan	120 mins	120 mins	Web app
56	2000029009	CHUNCHU PRATHYUSHA	120 mins	120 mins	Web app
57	2100029018	VADLAMURI SRIRAMUDU	120 mins	120 mins	Web app
58	2100020001	SHAHUL HASSAN SHAIK	120 mins	120 mins	Web app
59	2100020002	SHAIK ABDUL HANIF	120 mins	120 mins	Web app
60	2100020003	GAJULA UDAY SAI KRISHNA	120 mins	120 mins	Web app
61	2100020004	GUDISA KARTHIKEYA	120 mins	120 mins	Web app
62	2100020005	SRI SESA KRUTHIN NELAKUDITI	120 mins	120 mins	Web app
63	2100020006	SURYA RAMA PAVAN KUMAR V	120 mins	120 mins	Web app
64	2100020007	BH MANIKANTA GOPI PRASHANTH	120 mins	120 mins	Web app
65	2100020008	KOTLA BHARAT KUMAR REDDY	100 mins	120 mins	Web app
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71	2100020015	KOPPISETTI SURYA TEJA	120 mins	120 mins	Web app
72	2100020016	POLICHARLA JASWANTH KRISHNA	120 mins	120 mins	Web app
73	2100020017	SRIPATHI JAYA SRI	120 mins	120 mins	Web app
74	2100020018	SHAIK TAHAMMUL HUSSAIN	120 mins	120 mins	Web app
75	2100020019	DHONI DIVYA SREE	110 mins	120 mins	Web app
76	2100020020	UMUHOZA Cynthia	120 mins	120 mins	Web app
77	2100020021	MOYO ZENZELE	120 mins	120 mins	Web app
78	2100020022	SEKE SEKE	120 mins	120 mins	Web app
79	2100020024	ASADI SAI NAMRATHA REDDY	120 mins	120 mins	Web app
80	2100020026	RUKUNDO JEAN PAUL	120 mins	120 mins	Web app

81	2100020027	TUHIN DAS	120 mins	120 mins	Web app
82	2100020028	BINGU VENKATA RAMANAIAH	120 mins	120 mins	Web app
83	2100020030	SAI KRISHNA PUJARI	120 mins	120 mins	Web app
84	2100020031	LISA ARBOGAST MLAY	120 mins	120 mins	Web app
85	2100020032	DAN BAHADUR THAPA	120 mins	120 mins	Web app
86	2100029001	GUNDALA SAI SIVA TEJA	120 mins	120 mins	Web app
87	2100029004	MATTAPALLI GOPICHAND	120 mins	120 mins	Web app
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93	2100029010	JONNADULA MOHAN TEJA	120 mins	120 mins	Web app
94	2100029011	CHINNI SRIDHAR	120 mins	120 mins	Web app
95	2100029012	PALATLA UDAY TEJ	120 mins	120 mins	Web app
96	2100029013	GRANDHI JYOTHI SWAROOP	120 mins	120 mins	Web app
97	2100029014	MOHAMMED FARHANA BEGUM	120 mins	120 mins	Web app
98	2100029015	SIKAHAPALLI SATWIK SUMANTH	120 mins	120 mins	Web app
99	2100029016	TULLIMALLI AJAY BRAHMAM	120 mins	120 mins	Web app
100	2100029017	POGULA ANUHYA	120 mins	120 mins	Web app
101	2100029020	ALLAKA DINESH KRISHNA	120 mins	120 mins	Web app
102	2100029021	KUMPATLA DEVENDRA SATYA MURTHY	120 mins	120 mins	Web app
103	2100029022	UWAMWEZI AIMEE ALEXANDRINE	120 mins	120 mins	Web app
104	2100029023	JONNADULA NAGA MANIKNATH	120 mins	120 mins	Web app