



# 58<sup>th</sup> Webinar



## **Grouting technology for Civil Engineering Applications**

On

**11<sup>th</sup> December, 2020 @ 11:00am**

*Live Speaker*



*Dr. D. L. Shah*

Retd. Professor,  
M. S. University of Baroda,  
Vadodara, Gujarat

Zoom MeetingID: 987 0129 1298

Password: 851125

For meeting direct link: [Click here](#)

*Organised by*

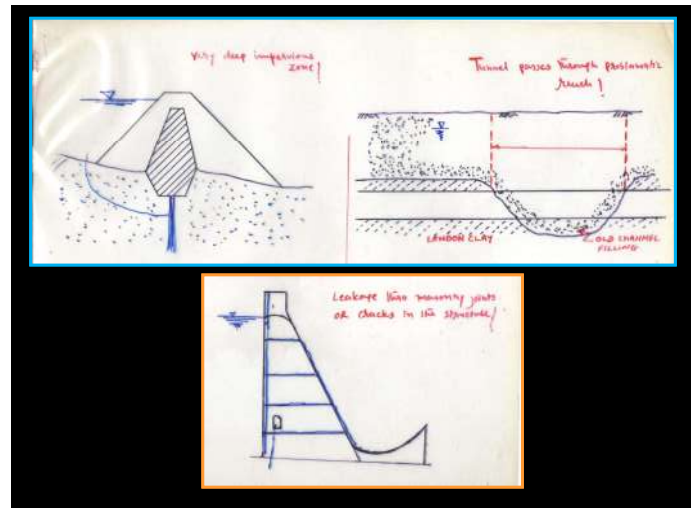
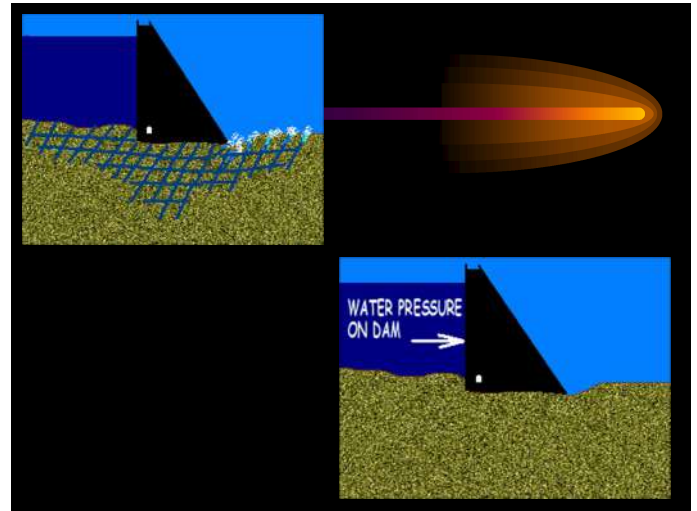
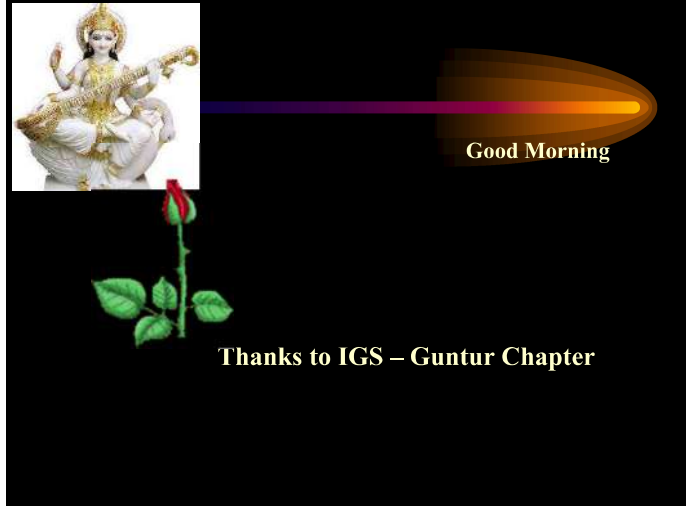
***IGS Student Chapter***

**GUDLAVALLERU ENGINEERING COLLEGE**

An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada  
Seshadri Rao Knowledge Village, Gudlavalleru, Krishna Dt, AP. 521356

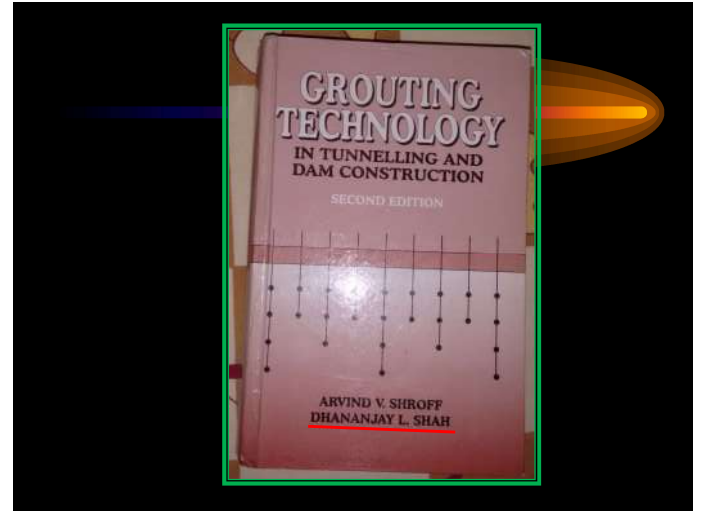
58<sup>th</sup> Webinar on Grouting Technology  
for Civil Engineering Applications  
11<sup>th</sup> December, 2020

Organised by  
IGS – Guntur Chapter  
IGS – Student Chapter  
GUDLAVALLERU ENGINEERING COLLEGE



## VARIOUS GROUND IMPROVEMENT TECHNIQUES

TREATMENT SHALLOW LAYERS	TREATMENT OF DEEP LAYERS
<ul style="list-style-type: none"> <li>❖ Compaction</li> <li>❖ Stabilization</li> <li>❖ Freezing &amp; Heating</li> <li>❖ Geotextile</li> <li>❖ Reinforced Earth</li> <li>❖ CNS Layer</li> </ul>	<ul style="list-style-type: none"> <li>❖ Dynamic compaction and consolidation</li> <li>❖ Vibroflotation</li> <li>❖ Compaction pile</li> <li>❖ Blasting</li> <li>❖ Heavy tamping</li> <li>❖ Pre-compression – Vertical drain</li> <li>❖ Electro Osmosis</li> <li>❖ Lime piles and columns</li> <li>❖ Stone columns</li> <li>❖ <u>Grouting</u></li> </ul>



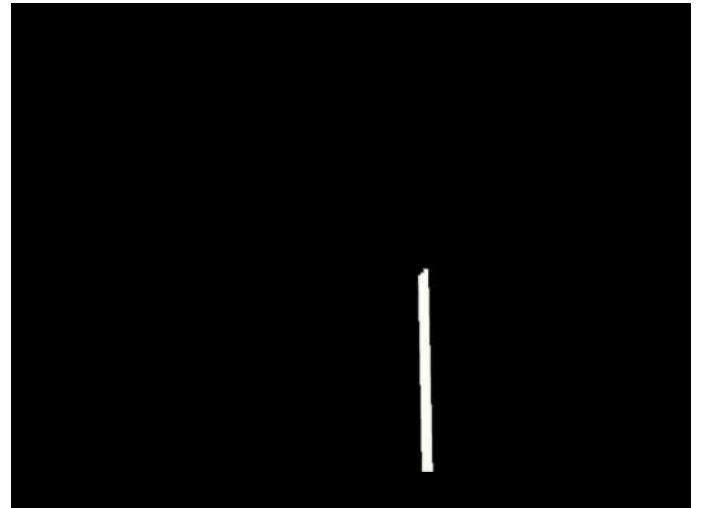
## Grouting Technology for Civil Engineering Applications

Dr. D.L.SHAH

Professor (Retd.), M S University of Baroda.  
 Senior Consultant, GEO DYNAMICS  
 Chairman, Indian Geotechnical Society – Baroda Chapter  
 Consultant to SSNNL, Govt of Guj.



dr\_dlshah@yahoo.com



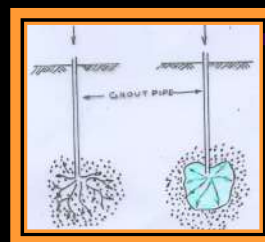
## Definition

Grouting is a process of injection of setting fluids in to the voids of the alluvium, or into the fissures of the rock either to reduce permeability or to increase strength or both.

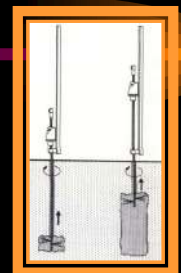
Injected fluid (grout) will solidify by physico-chemical or by chemical action with the passage of time and thereby increases the strength and reduces the permeability.

The success of the grouting is mainly dependent on selection and type of grout materials and suitable grouting techniques.

## FUNCTIONS OF GROUTING



Permeation Compaction



Jet Grouting

## GUDLAVALLERU ENGINEERING COLLEGE

Seshadri Rao Knowledge Village:: Gudlavalleru

*DEPARTMENT OF CIVIL ENGINEERING*

### List of Participants attended for the programme organised on 11 December 2020

S No	Full name	Designation	Organisation	Place of work	Phone number
1	Naveen Palanki	Nsns	Gec	Gec	9705542454
2	Gudavalli laalu sekhar	Student	Gec	Home	8688704595
3	Mahesh Shedekar	Geotechnical Engineer	General consultants, Mumbai Metro	Mumbai	8007036358
4	Subrahmanyam Ugb	Student	Gudlavaluru engineering college	Not working	7731081995
5	MAJJI CHANTI BABU	Student	Gudlavalleru	Gudlavalleru	8555904103
6	Jarugu Ramanjaneyulu	B.tech	Gudlavalleru engineering college	Gudlavalleru	9542326001
7	Vadlani Naga Venkata Sai Radhika	B.tech(pursuing)	Gudlavalleru Engineering College	Gudlavalleru	6281236411
8	Yemineni hemanth kumar	Student	Gudlavalleru Engineering College	Gudlavalleru	7095657605
9	Rangaiah Savva	Civil engineering	Gudlavalleru engineering college	Gudlavalleru	9505724896
10	Ch Ajay V	Student	Gudlavalleru Engineering College	Gudlavalleru	7981586079
11	E HARSHA VARDHAN	Student	Gudlavalleru Engineering college	Gudlavalleru	9666433796
12	Boyina Manohar	Student	Gudlavalleru Engineering college	Gudlavalleru	7702768918
13	Naganaboina sivaji	Student	Gudlavalleru Engineering college	Gudlavalleru	9963893171
14	G.kumar	Student	Gudlavalleru engineering college	Gudlavalleru	9392696284
15	Chidvilas Pallem	Student	Gudlavalleru engineering college	Gudlavalleru	7207702262
16	Shaik Subhani	Student	Gudlavalleru Engineering College	Gudlavalleru	9182344894
17	B N V RAGHAVIAH	Student	GUDLAVALLERU ENGINEERING COLLEGE	GUDLAVALLERU	9848609667
18	POTU LAKSHMAN NARAYANA	Student	Gudlavalleru engineering college	Gudlavalleru	8499096391
19	KASIBHATLA SAI KARTHIKEYA	Student	Gudlavalleru Engineering college	Gudlavalleru	9553681778
20	Kamma Supreem	BTech	gudlavalleru engineering college	gudlavalleru	8464036205
21	Nandyala Jogendra Sai Babu	Student	Gudlavalleru engineering college	Gudlavalleru	9866527427
22	M.pushpadanth	Student	Gudlavalleru engineering college	Gudlavalleru	8919396177
23	Angadala Ramu	Student	Gudlavalleru Engineering College	Gudlavalleru	9014717822
24	Nukathoti sravani	Student	GUDLAVALLERU ENGINEERING COLLEGE	GUDLAVALLERU	7995757051
25	K.Gopi kumar	Student	Gudlavalleru engineering college	Gudlavalleru	7093339568
26	Jannu Girish	student	Gudlavalleru Engineering College	Gudlavalleru	9347980561
27	Katta Naga Durga Vara Prasad	Student	Gudlavalleru Engineering College	Gudlavalleru	8688382788
28	R.Hemanth kumar	B-tech	Gudlavalleru engineering college	Gudlavalleru	6305350568
29	Ch.Naga Venkata Durga Prasad	Student	Gudlavalleru Engineering College	Mutcherla	9182411690
30	Mureboina Murali Krishna	Student	Gudlavalleru Engineering College	Gudlavalleru	9705247637
31	Bhavini Desai	Assistant professor	Babariya institute of technology	Vadodara	9824390535
32	Cnv shalini	Btech	Civil engineering	Gudlvalleru	9177213885
33	Gunji Karthik	Student	College	College	8618805881
34	Adiki Purandhar	Btech civil	Consultant	Hospet	9880630530

35	Korikani Srihari	Civil engineering	D.L.shah	Student	9494944176
36	Sudha N Bhat	Student	East west institute of Technology	College	9880574740
37	ADURI. NAVEEN SAI KUMAR	STUDENT	GUDLAVALLERU ENGINEERING COLLEGE	GUDLAVALLERU	7989581719
38	Gundiga.Vijaya	B.Tech	Gudlavalleru Engineering College	Gudlavalleru	9347063919
39	Inteti. Sai Suresh	Good	Gudlavalleru engineering college	Gudlavalleru	9182989391
40	Kammili Divya sri	B-Tech	Gudlavalleru Engineering College	Gudlavalleru	6303566865
41	Yemineni hemanth kumar	Student	Gudlavalleru Engineering College	Gudlavalleru	7095657605
42	Sivaji. kodali	Student	Gudlavalleru engineering college	Student	6300301340
43	Mohammed.Nishat Rahamatullah	B.tech	Gudlavalleru Engineering College	None	9398642554
44	Tarun Manikanta	Student	Gudlavalleru Engineering College	Gudlavalleru	8985895997
45	Jaddu Siva Rama Koteswara Rao	Civil Engineering	Gudlavalleru Engineering College	Gudlavalleru	9652417024
46	Botta Sushma	Student (btech)	Gudlavalleru Engineering college	Not working	9640454129
47	Bommasani vijay kumar	Student	Gudlavalleru engineering college	Gudlavalleru	7675844625
48	Sivanagaraju Badinedi	Student	Gudlavalleru engineering college	Guntur	7997020211
49	ALLAPARTHI PHANI CHARAN	B.Tech	GUDLAVALLERU ENGINEERING COLLEGE	GUDLAVALLERU	8309389975
50	Koppara Ravi	Student	Gudlavalleru Engineering College	Gudlavalleru	9398657004
51	KOLLURI SHARMILA	Student	Gudlavalleru Engineering College	Gudlavalleru	9542377926
52	Kalapala keerthi	Student	Gudlavalleru engineering college	Gudlavalleru	9603713089
53	P yeshwanth dinakar	B tech	Gudlavalleru engineering college	Student	9618758527
54	Peddeneni yaswanth	Student	Gudlavalleru engineering college	Gudlavalleru	7981684524
55	Aslamur Rahaman	Student	Gudlavalleru Engineering College,Gudlavalleru	Gudlavalleru	8885248556
56	GOGIREDDY SOMI REDDY	Assistant professor	HARANADHAREDDY INSTITUTE OF TECH	GUNTUR	9441777653
57	A.Akhil teja	Grouting technology	Indian geotechnical society	Gujarat	9704618586
58	B R Madhusudhan	Senior Project Officer	Indian Institute of Technology Madras	Chennai	9880776358
59	P GIRIDHAR GOPAL	Student	KKR and KSR institute of technology and sciences	Not working	7013520219
60	A V N L M S SASTRY	SR.B.E	LASA	VADODARA	9441175171
61	Rohit Gangaram Kokare	Student	Pimpri chinchwad college of engineering, nigdi pune	PCCOE	9421965155
62	Sumeet Mahajan	SDGM	RITES	GURGAON	9212047859
63	MUVVALA RAMA RAO	Professor	RVR & JC College of engineering	Guntur	9490847570
64	Ishfaq Ahmed Dar	Assistant Professor	S.S.M College of Engineering	Baramulla kashmir	9419057402
65	MIDASALA VISHNUPRAKASH	student	St.Mary's group of institutions Guntur , Chebrolu	GUNTUR	7780241048
66	Paramesh Sidhanatham	Student	St.Mary's Group Of Institutions, Guntur	Guntur	9160065353
67	Bhaskar ramaiah tanneru	Student	Student	Gudlavalleru	8328037192
68	N PUNDARIKA BHARGAVA RAM	Assistant professor	TIRUMALA ENGINEERING COLLEGE	NARASARAOPET	8096965623
69	Twinkle S	Research Scholar	TKM College of Engineering	NARASARAOPET	9995149652
70	Ratna Prasad Rekapalli	Professor	VVIT	VVIT	9490114986



# GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)

Seshadri Rao Knowledge Village, Gudlavalleru

Department of Civil Engineering

## STUDENT DEVELOPMENT PROGRAMME

Academic Year:- 2020-21

Programme No:- 3

Title of Programme:- Grouting Technology For Civil Engineering Applications

Resource Person Details:-

Sl.No	Resource Persons	Designation	Organization
1	Dr.D.L.Shah	Retd Professor	M.S.University of Baroda, Vadodara,Gujarat

**Object(S) of the programme:-** The objective of this programme is to provide an opportunity for the students to gain knowledge on Grouting Technology For Civil Engineering Applications

**Expected Outcome:-** The students are expected to gain exposure on Grouting Technology For Civil Engineering Applications

**Target Audience:-** II,III& IV B.Tech CE Students

**No. of Audience:-** 70



  
Coordinator

  
H.C.E

Head of Civil Engineering  
Gudlavalleru Engineering College  
Seshadri Rao Knowledge Village  
GUDLAVALLERU-521356.