

Department

Of

CIVIL ENGINEERING

Name : Dr. Suresh Kommu
Designation : Sr. Assistant Professor
Department : Civil Engineering
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Experience (in years): Teaching: 14 Research: 4 years Others: Nil

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1.	Ph. D	2020	Geotechnical Engineering
2.	M.E	2003	Geotechnical Engineering
3.	B. Tech	1999	Civil Engineering

2. Teaching and Learning:

- 2.1 Teaching Interests: Geotechnical Engineering, Geosynthetics and soil reinforcement, Landslides and ground Improvement Techniques.
- 2.2 Novel Teaching & Learning Techniques adopted: Story Board, WIT & WIL, and Lab Initiative Protocol.
- 2.3 Involvement in curriculum updating / Design: Modification of M.Tech GTE syllabus and B.Tech GTE1,GTE-2, Soil Mechanics and Engineering Geology Syllabus.

3. Co-curricular and Extra-Curricular Activities

- 3.1. Interests and Hobbies: NA
- 3.2. CCA/ECA Organized: Nil
- 3.3. CCA/ECA participated: Nil
- 3.4. Counselling and Mentoring Activity: Department Student counselling in charge and Counsellor for I, and II B.Tech Students (20 Students)
- 3.5. Committees involved in:
Department level: DAC, BoS, NBA, NAAC, Dept. SPOCs
Institute Level: Member for prevention and mitigation of COVID-19

4. Conference / Workshop / Seminar / Guest Lectures: *Guest lecture on “ Design of Embankment on Soft Soils” in FDP programme, Organised by St. Martin’s college, Secunderabad.*

- 4.1 Conducted: 1
- 4.2 Attended: 05

5. Academic Contribution and Research & Consultancy: Patent published entitled with **“ Geo composite liner systems”**

- 5.1. Invited Lectures
Articles/Chapters published in Books: Nil

5.3. Books published as single author or as editor:

5.4. Projects Guided:

- a) UG:07
- b) PG: 18

5.5. Research Interests: Geo composite liners for fly ash ponds, Ground Improvement

technique using Geo composites and Shear strength Characteristics of different soils and landslides

5.6. Ph.D students:

a) Enrolled: Nil

b) Submitted: Nil

c) Awarded: Nil

5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISS N No.	Impact Factor/ Citation Index	National/ International
1	Collapse behavior of calcareous soil using oedometer test	IJRSET	2319-8753	5.442	International
2	Prediction of compaction characteristics of soil using plastic limit	IJRET	2319-1163	2.375	International
3	Analysis of Multi-tier retaining wall	IJRSET	2319-8753	5.442	International
4	Shear strength behavior of sand clay mixtures	IJRSET	2319-8753	5.442	International
5	Study on method of Drying on soils	IJRSET	2319-8753	5.442	International
6	Effect of curing time on behavior and Engineering properties of cement treated soils	IJRSET	2319-8753	5.442	International
7	Role of moulding water content on the deformation characteristics of lime treated black cotton soils	i-manager's	Vol.5		National
8	Effect of various sizes of stone dust on strength characteristics of clayey sub grade soils	i-manager's	Vol.6		National
9	Swell and strength characteristics of expansive soil reinforced with synthetic fibres.	i-manager's	Vol.6		National
10	Effect of P ^H and curing time behavior on strength properties of expansive soils.	i-manager's	Vol.6		National
11	Improvement of bearing capacity of soil using bamboo geosynthetic	i-manager's			National
12	Role of moulding water content on the strength properties of black cotton soil treated with Ground granulated blast furnace slag	Journal of Civil Engineering and Environmental	2349-879X;	Volume 5, Issue 1	January-March, 2018,

		Technology			
13.	A Semantic Review On Operations With Fly Ash With Different Approaches In Real Time	International Journal of Mechanical Engineering and Technology (IJMET)	Volume 9,	Issue 4, April 2018	International
14	Leaching Behavior and Strength Characteristics of Black Cotton Soil Stabilized With Fly Ash	ScienceDirect, Materials Today: Proceedings 5	(2018) 17974–17981		International
15	A Critical Evaluation of Toxic Metals Effects on Ground Water	Jour of Adv Research in Dynamical & Control Systems	Vol. 10, 09-Special Issue, 2018	Special Issue, 2018	International
16	Suitability Of Geocomposite Layer For Fly Ash Ponds	Journal of Physics: Conference Series	NANOMTECH 2019, PP;1 to 4	Conference series	
17	In-Situ Consolidation Analysis By Asaoka And Hyperbola Methods	INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH	VOLUME 9, ISSUE 02, FEBRUARY 2020	ISSN 2277-8616	International
18	Effect of Synthetic Fibres and Silica Fume on Behavior of Expansive Soil	International Journal of Recent Technology and Engineering (IJRTE)	Volume-7, Issue-6C2, April 2019	ISSN: 2277-3878	International
19	Quality Assessment of Borewell and Tap Water in and Around Hyderabad City	International Journal of Recent Technology and Engineering (IJRTE)	Volume-7, Issue-6C2, April 2019	ISSN: 2277-3878	International

20	Linear regressin analysis of black cotton soil treated with silica fume	International journal of Advanced science and Technology.	Vol.29, Issue.5	PP:2408-2414	International
21	Effect of Surrounding Stress on Permeability of Fine-Grain Soil	Journal of Green Engineering (JGE)	Volume-10, Issue-6, June 2020	PP-2839-2847	International
22	Correlations between Undrained shear strength and SPT N for cohesive soils	Journal of Green Engineering (JGE)	Volume-10, Issue-7, July 2020	Pp:4112-4118	International
23	Effect of PH on compressibility behaviour of cement treated soil	Springer Nature Singapore Pte Ltd.	Series Volume 83	Pp: 789-795 eBook ISBN 978-981-15-5644-9	International, DOI: 10.1007/978-981-15-5644-9
24	Design of Mechanically Stabilized Earth Wall for Widened Embankment	Solid State Technology	Volume: 63 Issue: 5, Dec20	Pp:7911-7918	International
25	Simple Shear Testing of Sand a Novel Approach	Solid State Technology	Volume:64, Issue:2, Jan21	PP:209-210	International

5.8. Papers presented at National / International Journals: 05

5.9. Sponsored research Projects: Nil

5.10 Consultancy Projects:

S.No	Title	Agency	Period
1	Degree of Compaction for the Ramky Villas Finding out the Safe Bearing Capacity of different soils in the lab. Finding out the silt and clay content in different sands in the lab. Bearing capacity of soil for Sri Rastu group to construct the villas	Sri Rastu Group	01-12-2016 to 28-12-2016
2	Net Safe Bearing Capacity of soil	Sahasra Builders	05/02/2018 to 08/02/2018
3	Net Safe Bearing Capacity of soil	Radiant Institute of technology	03/01/2018 to 06/01/2018
4	Net Safe Bearing Capacity of soil	S. Kumar, Architects	December 2018

6. Awards / Honours received: Nil

7. Motto: Work is Devotion

Involvement in Corporate Social Responsibility