

Name: J.Y.V. Shiva Bhushan
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 Department: Civil Engineering
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Experience: 5 year Teaching: 5 year Research: 3 Others: NIL

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	B.Tech (UG)	2013	Civil Engineering
2	M.Tech (PG)	2016	Geotechnical Engineering
3	Ph.D.	Pursuing(2019-)	Geotechnical Engineering

2. Teaching and Learning:

- 2.1 Teaching Interests: Advanced Soil Mechanics, Foundation Engineering, Ground Improvement Techniques, Numerical Modelling
- 2.2 Novel Teaching & Learning Techniques adopted: Black Board/PPT, Active learning methods, NPTEL online courses
- 2.3 Involvement in curriculum updating / Design: R18 M.Tech syllabus (GTE)

3. Co-curricular and Extra-Curricular Activities

- 3.1. Interests and Hobbies: Research article reading.
- 3.2. CCA/ECA Organized: Summer Internships – 2020 – Department level Organized
- 3.3. CCA/ECA participated: Summer Internships
- 3.4. Counseling and Mentoring Activity: 20 students
- 3.5. Committees involved in:
 Department level: CDC coordinator, Student Professional Activities.
 Institute Level: NIL

4. Conference / Workshop / Seminar / Guest Lectures:

- 4.1 Conducted: 1
- Organised webinar Geo-Series Lecture-2 on June 2nd 2020
- 4.2 Attended: 20
- Induction Training Program by IIT Bombay from 28th Nov to 20th Dec, 2017
 - 5 day GIAN Course on Unsaturated soil Mechanics- IIT Hyderabad, Dec 2018
 - IGC 2019 from 19th -21st Dec, 2019
 - Symposium on Geo-practices on 14th Oct, 2017
 - Workshop on Geo-Disasters: Ground and Slope Instability in OCT 2016
 - Workshop on Ground Improvement & Geosynthetics in AUG 2015
 - Workshop on Geo-practices – (under Centre of Excellence Disaster Management) in FEB 2015
 - Indo- China Research Webinar Series in Civil and Environmental Engineering workshop from 8th -19th May 2020
 - Bentley Institute training on Plaxis in May 2020
 - Indo-korea Workshop on Dec 17th 2020 organized by Indian Geotechnical Society - Surat Chapter & SASTRA University

- Workshop on "Geotechnical Distress- Identification and Evaluation organized by Indian Geotechnical Society - Thanjavur Chapter & SASTRA University

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: NIL

5.2. Articles/Chapters published in Books: 4 (SPRINGER)

5.3. Books published as single author or as editor: NIL

5.4. Projects Guided:

a) UG : 03 b) PG : 03

5.5. Research Interests: Foundation engineering, Ground Improvement Techniques, Numerical Modelling

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/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Geotechnical Characterization of Construction and Demolished Waste	Geotechnical Characterisation and Geoenvironmental Engineering 2016	International (Springer Book chapter)		International
2	Cinder Coal-Aggregate Quality Index (AQI) appraisal based on Weighted arithmetic index method and Fuzzy Logic	Advances in Geotechnical and Transportation Engineering	International (Springer Book chapter)		International
3	Settlement Analysis of Recycled Concrete Fine Aggregate Blended Soils using Geostudio	IJEAT, Volume-9 Issue-2, Dec, 2019, pp. 3007-3010			International
4	Slope Stability Analysis of Recycled Concrete Fine Aggregate Stabilized and Blended Soils	IJITEE, Volume-9 Issue-5, March, 2020, pp. 991 – 994			International
5	Slope Stability Analysis of overburden dumps	Indian Journal of Geosynthetics and Ground Improvement, Vol 8, Issue No. 1, pp no. 26-32			National
6	Deformation analysis of soft ground treated with PVDs – A Numerical study	IOP Conference Series: Earth and Environmental			International

		Science, Volume 982, 2021			
7	Influence of deformation rate on direct shear test results	AIP Conference Proceedings, Vol 2417, Issue 1 (2021)			International

5.8. Papers presented at National / International Conferences :

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Compaction characteristics of crushed concrete fine aggregates and its partial replacement with laterite sand	National Conference on Advances in Science & Technology in Civil Engineering NCASTCE 2019	National	Jan 24-25 th , 2019
2	Effect of rubber chips and quarry dust on compaction, FSI and UCS values of expansive soil	National conference on Advances in Frontier of Civil Engineering	National	Dec 21-22 nd 2018
3	<u>Design of Core of Earthen dam by replacement with Geosynthetics</u> ,	Indian Geotechnical Conference, IGC 2020- Visakhapatnam	National	Dec 24 th 2020
4	Re-evaluation of Failure of Silo Tower Foundations Indian Geotechnical Conference, IGC 2020- Visakhapatnam	Indian Geotechnical Conference, IGC 2020- Visakhapatnam	National	Dec 24 th 2020
5	Bearing Capacity of Normally Consolidated Desiccated clays, GEOAPPS – 2020	Geotechnical Applications - 2020	National	Jan 21 st 2020
6	Cinder Coal-Aggregate Quality Index (AQI) Appraisal Based on Weighted Arithmetic Index Method and Fuzzy Logic	FACE - 2019	National	May 24 th 2019
7	Simple Method for the Estimation of Bearing Capacity of Footings on Non-homogeneous Ground	8 th Indian Young Geotechnical Engineers conference	National	Oct 21 st – 23 rd 2020
8	Lateral Displacements of soft soil treated with PVDs under Embankment loading	Indian Geotechnical Conference, IGC 2021- NIT Trichy	National	Dec 16 th – 18 th 2020
9	Effect of Compressibility on Bearing Pressure of Soft Ground	Indian Geotechnical Conference, IGC 2021- NIT Trichy	National	Dec 16 th – 18 th 2020

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
1	Engineering Teacher	Indian National Academy of Engineering	2 months 2021-2022	NA	Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6. Awards / Honors received:

- NPTEL Top 5% in Geotechnical engineering laboratory 4 week course, 2017
- NPTEL Top Performing Mentor Jan-July 2018

7. Motto: