

Veermata Jijabai Technological Institute (VJTI), Matunga, Mumbai-400019

Civil and Environmental Engineering Department

Name of the faculty	Dr. Sreyashrao Suryarao Surapreddi															
Designation	Assistant Professor															
Qualification	B.Tech Civil Engineering (COEP, Pune) M.Tech Civil – Geotechnical Engineering (IIT Kanpur) P.hD. – Geotechnical Engineering (IIT Kanpur)															
Date of Joining VJTI	20 th March 2024															
Previous Experience	Junior Engineer (Tata Housing Development Limited) – June ‘11 – August ‘12 Assistant Professor (MPSTME Shirpur) – July ‘15 – December ‘16 Senior Project Engineer – IIT Kanpur ‘23 Adjunct Faculty (COEP Technological University) – August ‘23 – March ‘24															
Contact No. / E-mail Personal website link	sssurapreddi@ci.vti.ac.in , 7754916210															
Area of Research	Soil dynamics, Finite element method, Geopolymers, Ground improvement techniques, Valorization of Waste Materials, Pavement Engineering, Modern Transportation Systems, Earthquake Engineering															
Subjects Taught	Transportation Engineering, Construction Entrepreneurship, Geotechnical Engineering, Foundation Engineering, Highway Geotechnology, Design of Underground Structures, Construction Claims and Contracts, Mechanics of Solids (Student Tutor, IIT Kanpur)															
Publications	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="2">Journal Publication</th> <th colspan="2">Conference Publication</th> <th rowspan="2">Book Chapters</th> </tr> <tr> <th>International</th> <th>National</th> <th>International</th> <th>National</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>0</td> <td>1</td> <td>4</td> <td>1</td> </tr> </tbody> </table> <p style="text-align: center;">H Index: Google Scholar: 3; Scopus: 3</p>		Journal Publication		Conference Publication		Book Chapters	International	National	International	National	6	0	1	4	1
Journal Publication		Conference Publication		Book Chapters												
International	National	International	National													
6	0	1	4	1												
Research Guidance	(i) M.Tech Guided: Completed: 1 (Co-guide); Ongoing : 2 (ii) Ph.D Guided.-: Completed: , Ongoing :															
Patent	<ul style="list-style-type: none"> • “Pond ash-kaolinite based geopolymer brick and process for manufacturing the same”, Inventors: Surapreddi, S., Ghosh, P. and Biswas, K. Indian Patent No: 330194, Date of Grant: January 24, 2020. (Status of patent: Granted) • “A passive vibration screening arrangement with bamboo in-filled wave barriers (IB) for mitigating ground-borne vibration”, Inventors: Surapreddi, S., and Ghosh, P. Indian Patent No: 436990, Date of Grant: July 03, 2023. (Status of patent: Granted) 															

<p>Collaboration/Interaction with outside world</p>	<ul style="list-style-type: none"> Delivered Expert Lecture on Geosynthetics for Pavement and Foundation Designs in the short-term course Geosynthetics in Geotechnics organized by Department of Civil Engineering, NIT Rourkela, 2024 Delivered Hands-on Seminar on the use of Abaqus for solving Geotechnical Engineering Problems in QIP Short Term Course on “Recent Advancement in Earthquake Geotechnical Engineering”, Department of Civil Engineering, IIT Kanpur, 2019
<p>Consultancy works undertaken</p>	
<p>Honors and Awards Received</p>	<ul style="list-style-type: none"> Received the “Outstanding Ph.D. Thesis Award” for my thesis titled “Experimental and numerical investigations on vibration screening and attenuation characteristics of bamboo in-filled wave barriers” based on institute recommendation. Received the “May Award for Engineering Excellence” for the topic “Passive Vibration Screening with Bamboo In-filled Wave Barriers” based on the department recommendation for the year 2020-21. Received the “Springer Best Paper Award” at the “Indian Geotechnical Conference (IGC-2021)”, which was held at NIT Trichy during December 16 - 18, 2021.
<p>Membership of Professional Body/ NGO</p>	<ul style="list-style-type: none"> Life Member of Indian Geotechnical Society (IGS).
<p>Training Programmes /Courses/workshops Organized</p>	
<p>STTPs/workshops / conferences Attended</p>	<ul style="list-style-type: none"> Surapreddi, S., Santhoshkumar, G. and Ghosh, P. (2021). “Analysis and design of foundation system for the horizontal solar axis tracker”. Indian Geotechnical Conference (IGC-2021), NIT Tiruchirappalli, Tiruchirappalli, India. Surapreddi, S., and Ghosh, P. (2021). “Attenuation response and transmission ratio for block foundation considering shape effect”. 2nd ASCE India Conference on Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies (CRSIDE2020), Kolkata, India. Participated and Completed AICTE Faculty Development Program on Building smarter cities: Strategies for sustainable future at COEP Technological University, Pune
<p>NPTEL/MOOCs Courses undertaken</p>	<p>Student Coordinator for the NPTEL Course, Mechanics of Solids taken by Prof. Priyanka Ghosh, IIT Kanpur</p>
<p>Other Notable Achievements</p>	<ul style="list-style-type: none"> ZEST Coordinator and Gymkhana Coordinator, COEP 2011 Student Organizer for “Workshop on Sustainable Geotechnics”, IIT Kanpur, 2017 Member of Mess Working Committee (Hall 10, IIT Kanpur) Member of Hostel Committee (COEP Hostel) Gold Medalist in Bridge (Zest 2011) Organizer – Mindspark – Technical Event at COEP Member of English Debate Group - COEP