

**National Institute of Technology, Tiruchirappalli:
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Curriculum Vitae



Brief Profile: 1-2 paragraphs (not exceeding 500 words)

1. Name: Dr. Deendayal
2. Designation: Assistant Professor
3. Office Address: 101, Annexure Building,
Department of Civil Engineering,
NIT - Trichy.
4. Telephone (Direct): +91- 431 250-3170
Mobile (Optional): 959-777-1912
5. Email (Primary): deendayal@nitt.edu Email (Secondary) :
deendayalrathod123@gmail.com
6. Field(s) of Specialization: Geotechnical Engineering

7. Employment Profile

Job Title	Employer	From	To
IISc, Bangalore	Project Asst.	20/01/2006	31/08/2006
National Institute of Technology, Tiruchirappalli.	Lecturer/Asst.Professor	04/09/2006	Till date

8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Subjects
Ph.D.	IISc (Bangalore)	2011-2016	Geotechnical Engineering (Pile Foundations)
M.E.	IISc (Bangalore)	2001-2003	Geotechnical Engineering
B.Tech.	JNTU College of Engineering (Hyderabad)	1997-2001	Civil Engineering

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9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Associate Warden	Garnet-B hostel	2006	2007

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2017	Achiever Award by the NIT Director on Institute Day-2016-17.	NIT - Trichy
2011	Best Paper Award in 3 rd Indian Young Geotechnical Engineer Conference (3IYGEC), March 25th-26th, New Delhi, India	IGC-Delhi

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)

13. Details of Academic Work

(i) Courses taught at Undergraduate levels

- 1) Basics of Civil Engineering
- 2) Building Materials
- 3) Geotechnical Engineering (I & II)
- 4) Concrete Technology
- 5) Engineering Mechanics
- 6) Building Planning and Drawing
- 7) Strength of Materials Lab
- 8) Computer Aided Design (Lab)

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Development of 1-g laboratory model to study the behaviour of	SERB-DST	2017	2020	Ongoing

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laterally loaded single and group of piles located in sloping ground				
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15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award
D.Nigitha	Behavior of Monopile under cyclic lateral loading	Supervisor	Ongoing
Krishnanunni K T	Development of 1-g laboratory model to study the behavior of laterally loaded single and group of piles located in sloping ground	Supervisor	Ongoing

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter)	Event Organized by	Venue
3 rd & 4 th , October 2013)	Reliability Analysis and Design of Sub-Structures	Local	Participant	TEQIP-II	NIT - Trichy
10 th – 12 th March 2016	Subsurface investigations for pavements and buildings	National	Participant	TEQIP-II & IGS- Trichy	NIT - Trichy
March 22 nd and 23 rd 2017	Master Your Moodle	Local	Participant	Computer Support Group	NIT - Trichy
23 rd October 2007	Geotechnical investigation and decision making in foundations	Local	Participant	TEQIP-I	NIT - Trichy

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29 -30 April 2013	Role of Geotechnical Engineering on Infrastructure Development	Local	Participant	TEQIP-I	NIT - Trichy
1 st October 2016	Engineering on Soft Ground	National	Participant	IGS- Trichy	NIT - Trichy

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/
Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue

18. Invited Talks delivered

Topic	Date	Inviting Organization

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life membership	Indian Geotechnical Society	LM 3177
2016-2018	International Society for Soil Mechanics and Geotechnical Engineering	IND 12LM-3177

20. Academic Foreign Visits

Country	Duration of Visit	Programme
U.K.	2 month (2014)	Research collaboration with IISc & University of Warwick

21. Publications

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(A) Referred Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Deendayal R, Muthukkumaran K, Sitharam T. G.	Experimental Investigation on Behavior of a Laterally loaded single pile located on sloping ground	<i>International Journal of Geomechanics, ASCE</i>	19(5):04019021	04019021-1 to 04019021 - 09	2019	
Deendayal R, Muthukkumaran K, Sitharam T. G.	Analysis of Laterally loaded group of piles located on sloping ground	<i>International journal of Geotechnical Engineering</i>	10.1080/19386362.2018.1448521	1-9	2018	
Deendayal R, Muthukkumaran K, Sitharam T. G.	Response of laterally loaded pile in soft clay on sloping ground	<i>International journal of Geotechnical Engineering</i>	10	10-21	2016	
Deendayal R, Muthukkumaran K, Sitharam T. G.	Effect of slope on p-y curves for laterally loaded piles in soft clay	<i>Geotechnical and Geological Engineering, Springer</i>	10.1007/s10706-017-0405-7			
Deendayal Rathod, K.Muthukkumaran, T.G.Sitharam	Dynamic response of single pile located in soft clay underlay by sand	<i>International Journal of GEOMATE, Japan</i>	Vol. 11(26),	2563-2567	(2016)	
Deendayal Rathod, Sivapullaiah P. V	Migration of Sulphate under Different Conditions: Electro-Kinetic Remediation Technique.	<i>Indian Geotechnical Journal, Springer</i>	DOI 10.1007/s40098-017-0250-x .	485-494	2017	
Deendayal Rathod, K.Muthukkumaran, T.G. Sitharam	Development of non-dimension p-y curves for laterally loaded piles in sloping ground	<i>Indian Geotechnical Journal, Springer</i>	Vol 47 (1),	47-56.	2017	

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R. Deendayal , K. Muthukkumaran , T.G. Sitharam	Response of laterally loaded pile in soft clay on sloping ground,	<i>International Journal of Geotechnical Engineering, Taylor & Francis</i>	Vol. 10 (1),	10-22	(2016)	
R.Deendayal, T.G.Sitharam and K. Muthukkumaran	Effect of earthquake on a single pile located in sloping ground	<i>International Journal of Earthquake Geotechnical Engineering, IGI, Global</i>	Vol. 7(1)	55-72.	(2016)	
Deendayal, P.V. Sivapullaiah	Migration of sulphate in soil under different conditions	<i>International Journal of Earth Science and Engineering, Cafet- Innova Technical Society</i>	Vol.6(2)	381-385.	(2013)	

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Deendayal R, Muthukkumaran K, Sitharam T.G	Behaviour of laterally loaded single model pile in soft clay with sloping ground	<i>19th ICSMGE-2017</i>				<i>Sept. 17th - 22nd</i>
Deendayal R, Muthukkumaran K, Sitharam T.G	Behaviour of laterally loaded piles in soft clay on sloping ground	<i>Proceedings of GeoMEast-2017</i>				<i>July 15th- 19th,</i>
Deendayal Rathod, Sivapullaiah P.V.	Electro-Kinetic remediation of sulphate from soil	<i>Proceedings of Geo-Chicago - 2016</i>				<i>August 14- 18, Chicago, Illinois, USA.</i>
Deendayal Rathod,	Electro-Kinetic remediation of	<i>Geotechnical Society, IISc</i>				<i>22nd-23rd July 2016</i>

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Sivapullaiah P.V	sulphate from soil	,Bangalore				
Deendayal R, Muthukkumaran K, Sitharam T. G	Dynamic response of single pile located in soft clay under lay by sand	Proceedings of GEOMATE-2015				Osaka, Japan November 16-18
Deendayal R, Sivapullaiah P. V	Electro-Kinetic Remediation of Sulphate Soil under different conditions	ICGI-2012 Australia	273	213-224	2016	Australia October 30 th – November 2 nd
R. Deendayal, D Nigitha	Response of single pile under dynamic loading	Proceedings of Indian Geotechnical Conference				December 14 th -16 th , IIT Guwahati, India (2017)
Deendayal R, Sivapullaiah P.V	Migration of sulphate in soil under different conditions	Indian Young Geotechnical Engineer Conference (3IYGEC),				March 25 th -26 th , New Delhi, India
Deendayal R, Muthukkumaran K, Sitharam T.G	Response of laterally loaded pile groups in sloping ground	Proceedings of Indian Geotechnical Conference				December 17 th -19 th , Pune, India (2015)
Deendayal R, Muthukkumaran K, Sitharam T.G	Experimental investigation of single model pile in clayey soil with slope under later load	Proceedings of Indian Geotechnical Conference				December 18 th -20 th , Kakinada, India (2014)

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
Deendayal Rathod, K. Muthukkumaran K, T.G. Sitharam	Behavior of Laterally Loaded Piles on Sloping ground	LAMBERT Academic Publishing	(2017)	

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