

Curriculum Vitae of **Dr. Chandaluri Vinay Kumar**

National Institute of Technology, Tiruchirappalli

Curriculum Vitae

Dr. Chandaluri Vinay Kumar is an Assistant Professor (Grade-II) in the Department of Civil Engineering, National Institute of Technology (NIT) Tiruchirappalli. He joined the institute on 23-09-2022. Prior to joining the institute, he worked as an Ad-hoc faculty in the Department of Civil Engineering, NIT Andhra Pradesh. He had completed his Ph.D in Civil Engineering and M.Tech in Geotechnical Engineering from Indian Institute of Technology (IIT) Roorkee in the year 2020 and 2014 respectively.



He completed B.E from Andhra University College of Engineering which is a State funded Technical University in the year 2012. During his Ph.D, he worked on the thesis titled “Analysis of Laterally Loaded Piles Near Crest of Sloping Ground”. His M.Tech and Ph.D work was published in 4 Scopus Indexed Journals and 3 Conference Papers and 1 Book Chapter. He is very passionate about teaching and research. His areas of research include Laterally and Axially Loaded Piles, Earth Retaining Structures, Granular Anchor Piles and Ground Improvement Techniques. He is readily willing to explore new areas in the field of geotechnical engineering.

1. Name:	Chandaluri Vinay Kumar
2. Designation:	Assistant Professor – Grade II
3. Office Address:	Department of Civil Engineering, National Institute of Technology, Tiruchirappalli
4. Telephone (Direct) (Optional): Telephone : Extn (Optional): Mobile (Optional):	+91 9528020326
5. Email (Primary): chandaluri@nitt.edu	Email (Secondary) : vinay2744@gmail.com
6. Field(s) of Specialization:	<ul style="list-style-type: none">• Laterally and Axially Loaded Piles,• Earth Retaining Structures,• Granular Anchor Piles and• Ground Improvement Techniques.• Non-linear Finite Element Analysis

7. Employment Profile

Job Title	Employer	From	To
Assistant Professor – Grade II	National Institute of Technology Tiruchirappalli	23-09-2022	Till date
Ad-hoc faculty, Department of Civil Engineering	National Institute of Technology Andhra Pradesh	17-08-2022	22-09-2022

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Ad-hoc faculty, Department of Civil Engineering	National Institute of Technology Andhra Pradesh	07-07-2021	30-06-2022
Ad-hoc faculty, Department of Civil Engineering	National Institute of Technology Andhra Pradesh	14-08-2020	25-06-2021

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

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	Indian Institute of Technology Roorkee	2020	-	Geotechnical Engineering
M.Tech	Indian Institute of Technology Roorkee	2014	First Division with Distinction (8.626/10)	Geotechnical Engineering
B.E.	Andhra University College of Engineering, Visakhapatnam	2012	First Class (7.33/10)	Civil Engineering
Intermediate	Narayana Junior College, Edupugallu	2008	93.9%	Mathematics, Physics, Chemistry
S.S.C	Viswasanthi(EM) High School, Battiprolu	2006	86%	-

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
-	-	-	-

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
-	-	-	-

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
-	-	-

12. Fellowships

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

13. Details of Academic Work

(i) Curriculum Development

Involved in modification of syllabus related to Geotechnical Engineering subjects for R21 regulations of NIT Andhra Pradesh

(ii) Courses taught at Postgraduate and Undergraduate levels

Postgraduate: Advanced Foundation Engineering, Advances Soil Mechanics, Finite Element Method in Civil Engineering, Experimental Geotechnics, Computational laboratory at NIT Andhra Pradesh

Undergraduate: Ground Improvement Techniques, Geotechnical Engineering –II, Environmental Science and Engineering, Engineering Mechanics at NIT Andhra Pradesh

(iii) Projects guided at Postgraduate level

(iv) Other contribution(s)

Handled GATE classes for final year B.Tech students and the students from neighbor Engineering colleges for the years 2020-21 and 2021-22 – organized by SC/ST cell of NIT Andhra Pradesh

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
-	-	-	-	-

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award
-	-	-	-

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, Any other)	Event Organized by	Venue

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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
"Analysis of Pile Foundations using PLAXIS"	05.03.2022	SC7 of Indian Geotechnical Society Student Chapter Activities and Continuing Education
Analysis of axially loaded and laterally loaded Pile Foundations using PLAXIS	22.03.2022	Electronics & ICT Academy, NIT Waranagal in association with Department of Civil Engineering, Vardhaman College of Engineering, Hyderabad, Telangana
Numerical Modeling of Pile Foundations using PLAXIS	26.05.2022	Ballari Institute of Technology & Management, Ballari, Karnataka

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
-	-	-

20. Academic Foreign Visits

Country	Duration of Visit	Programme
-	-	-

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal
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						(Optional)
Chandaluri, V. K., & Sawant, V. A.	Influence of sloping ground on lateral load capacity of single piles in clayey soil	International Journey of Geotechnical Engineering	14 (4)	353-360	2020	
Ganesh, R., & Chandaluri, V. K.	Determination of Required Reinforcement Force in Geosynthetic Reinforced Soil Walls Under Seismic Loadings	International Journal of Geosynthetics and Ground Engineering	4(3)	1-8	2018	
Varma, M., Sawant, V. A., & Chandaluri, V. K.	Effect of soil structure Interaction on response of G+3 building	Journal of Structural Engineering (India)	44(4)	307-318	2017	
Chandaluri, V. K., Sawant, V. A., & Shukla, S. K.	Seismic stability analysis of reinforced soil wall using horizontal slice method	International Journal of Geosynthetics and Ground Engineering	1(3)	1-23	2015	

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Chandaluri, V. K., & Sawant, V. A.	Effect of pile head fixity on lateral capacity of pile located at crest of clay slope	70th Canadian Geotechnical Conference and the 12th Joint CGS/ IAH-CNC Ground water Conference	1-6 (Paper No. 790)	GeoOttawa	Ottawa, Canada	2017
Chandaluri, V. K., & Sawant, V.	Critical Review on Effect of	International Conference on Emerging	185-190	-	KNIT, Sultanpur	2016

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A.	Proximity of Slope on Load Carrying Capacity of Pile	Trends in Civil Engineering (ICETCE-16)				
Chandaluri, V. K., & Sawant, V. A.	Effect of Slope Angle on Pile Response	National Conference on Technical Advancements in Civil Engineering	1-6	-	Lovely Professional University, Punjab	2016

(C) Books Chapters

Author(s)	Title of Book Chapter	Name of Publishers	Year of Publication	ISSN/ISBN Number
Gupta, A., Chandaluri, V. K. , Sawant, V. A., & Shukla, S. K.	Development of Design Charts for the Dynamic Active Thrust from $c-\phi$ Soil Backfills in <i>Soil Dynamics and Earthquake Geotechnical Engineering</i>	Springer, Singapore	2019	978-981-13-0562-7