

Curriculum Vitae
Dr. Vanama Raghava Kumar
National Institute of Technology, Tiruchirappalli

Brief Profile:

Dr. V. Raghava Kumar obtained his Bachelor's degree in Civil engineering from JNTU Kakinada and Master's degree in Structural engineering from VNIT Nagpur and PhD from IIT Bombay. He is a Triple gold medallist in his academics. He got post-doctoral research experience at IIT Bombay and post-PhD consultancy work experience at Tech TANGENT Solutions Pvt Ltd., a bridge design consultancy company. Apart from the publications mentioned below, he got a couple of patents to his title. Dr. Raghava is currently working as an Assistant Professor in the Department of Civil Engineering, NIT Trichy. He is interested in taking up research works in the area of Structures and Materials.



1. Name:	Dr. Vanama Raghava Kumar
2. Designation:	Assistant Professor
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4. Telephone (Direct) (Optional): Extn (Optional):	- - Telephone: Mobile (Optional): +91 9494771420
5. Email (Primary): Email (Secondary):	vanama@nitt.edu vanama.raghavakumar@gmail.com
6. Field(s) of Specialization:	<ul style="list-style-type: none">• Structural Engineering• Bridge Engineering• Durability of Concrete Structures• Rebar Corrosion, Steel-Concrete interface• Ocean Structures• Service Life of Reinforced Concrete Structures• Material Characterization• Conditional Assessment and Non-Destructive Testing• Repair and Rehabilitation of RC Structures

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7. **Employment Profile**

Job Title	Employer	From	To
Assistant Professor	National Institute of Technology, Tiruchirappalli	03-Oct-2022	Till date
Manager – Design	Tech TANGENT Solutions Pvt. Ltd., Thane(W), Mumbai	21-Mar-2022	31-Sept-2022
Post-Doctoral Fellow	IIT Bombay, Mumbai	05-Mar-2021	04-Mar-2022
Project Scientist-I (Civil)	National Institute of Ocean Technology (NIOT), Chennai	29-Feb-2016	15-Jun-2017

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

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	IIT Bombay	2021	9.73 CGPA	Civil Engineering
M.Tech.	VNIT Nagpur	2015	9.17 CGPA	Structural Engineering
B.Tech.	JNTU Kakinada	2013	93.09 %	Civil Engineering
Intermediate	Board of Intermediate Education, AP	2009	90.60 %	Mathematics, Physics, Chemistry, Sanskrit, English
SSC	Board of Secondary Education Andhra Pradesh	2007	91.00 %	Mathematics, Science, Social studies, Telugu, Hindi, English

9. Academic/Administrative Responsibilities within the University

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

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
Member of Board of Studies (BoS) -Representing the Alumni	Gudlavalleru Engineering College, Andhra Pradesh	21-Jul-2014	20-Jul-2016

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11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2015	IRAJ Excellent Paper award at 25 th IRF International Conference on Civil Engineering held at Chennai, India	GEC, A.P.
2014	University Gold Medal for being the top ranker in B.Tech - Civil Engg. among (200+) JNTUK affiliated colleges, 2009-13	JNTU Kakinada
2014	Best Outgoing Student award & Gold Medal , Gudlavalleru Engineering College (GEC) for 2009-13 Academic Year	GEC, A.P.
2014	Gold Medal with a Certificate of Merit for being the top-ranked student of Civil Engg. branch 2009-13AY	GEC, A.P.
2014	Awarded with Certificate of Excellence for securing first rank among 637 students of all branches of B.Tech., 2009-13AY	GEC, A.P.
2014	Best Undergraduate Project award of Civil Engg. branch of 61 students, 2009-13AY	GEC, A.P.
2013	Won the State Level Technical Paper Contest on Artificial Neural Networks	GEC, A.P.
2011	First Prize in a National Level Technical Paper Presentation	AKRG College of Engineering & Technology
2011	Won Third Prize at the Inter-Departmental Student Paper Contest on 'Green Engineering'	GEC, A.P.

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From	To
2021	Institute Post-Doctoral Fellowship	IIT Bombay	March 2021	March 2022
2017	Institute Teaching Assistantship	IIT Bombay	July 2017	March 2021
2013	Institute Teaching Assistantship	VNIT Nagpur	July 2013	June 2015

13. Details of Academic Work

- (i) Curriculum Development - NA
- (ii) Courses taught at Postgraduate and Undergraduate levels - NA
- (iii) Projects guided at Postgraduate level - NA
- (iv) Other contribution(s) - NA

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14. Details of Major R&D Projects

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

15. Number of PhDs guided

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

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
28-Jan-2021 to 29-Jan-2021	Training on Basic Concepts of Coastal Engineering & Modelling Techniques for the Development of Ports & Harbours	National	Participant	Central Water and Power Research Station (CWPRS), Pune	Online
21-Aug-2019 to 23-Aug-2019	Training on Recent Advances in Technology & Durability of Concrete Structures	National	Participant	CSIR - Structural Engineering Research Centre Govt. of India, Chennai	CSIR-SERC, Chennai
01-July-2019 to 05-July-2019	QIP & CEP Short Term Course on Marine Infrastructure Development: Efficient Design of Ports, Terminals, Waterways & Coastal Structures	National	Speaker	IIT Bombay	IIT Bombay

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Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
29-Mar-2014	Short term training programme (STTP) on Practical Aspects of Structural Design	National	Participant	Visvesvaraya National Institute of Technology (VNIT), Nagpur	VNIT Nagpur
07-Dec-2014 to 09-Dec-2014	Training on Seismic Design of Multi-Storey Buildings IS 1893 Vs. Eurocode8	National	Participant	VNIT Nagpur	VNIT Nagpur

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
NA	NA	NA	NA	NA

18. Invited Talks delivered

Topic	Date	Inviting Organization
Ultra-High-Performance Fibre Reinforced Concrete – From Fundamentals to Applications in Bridge Engg.	17-Oct-2022	Tech TANGENT Solutions Pvt Ltd.

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Associate Member	Indian Association of Structural Engineers (IAStructE)	AM- 394 04-Aug-2022

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20. Academic Foreign Visits

Country	Duration of Visit	Programme
NA	NA	NA

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Vol	Page no.	Year	Impact Factor (Opt.)
Vanama, R.K., Ramakrishnan, B.	Improved degradation relations for the tensile properties of naturally and artificially corroded steel rebars	Construction and Building Material	249	118706 - 118727	2020	7.693
Vanama, R.K., Ramakrishnan, B., Balasubramanian, K. & Patil, S.	Conditional assessment system for reinforced concrete marine structures – A case study	Transactions of the Royal Institution of Naval Architects Part A: International Journal of Maritime Engineering	162	353-360	2020	0.521
Vanama, R.K., Ramakrishnan, B.	Concrete Coatings for Mitigation of Embedded Rebar Corrosion	Materials Performance	60	02-05	2021	0.131
Vanama, R.K., Addepalli, H. & Ramakrishnan, B.	Optimal Dosage of Fe ₂ O ₃ Nanoparticles to Enhance Chloride Resistance and Microstructural Properties of Concrete- A Comprehensive Study	Indian Concrete Journal	95	1-12	2021	0.243
Vanama, R.K., Ingle, R.K.	Finite Element Analysis of Skew Box Underpass Bridge - Few Observations	Indian Highways	44	23-28	2016	-
Vanama, R.K., Ingle, R.K.	International Journal of Mechanical and Production Engineering	Parametric Study on Skew Underpass Bridge	3	87-91	2015	-

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(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Conference Name	Venue	Year
Vanama, R.K., Ramakrishnan, B.	Effectiveness of Epoxy and Moisture-Cure Polyurethane Coatings in Corrosion Mitigation of Embedded Rebar- An Experimental Study	CORROSION 2020: NACE International	Houston, Texas, USA	2020
Vanama, R.K., Ramakrishnan, B., Balasubramanian, K. & Patil, S.	Development of conditional assessment system for berthing structures – A case study	6 th International Conference on Ship & Offshore technology - The Royal Institution of Naval Architects	IIT Kharagpur, India	2019
Vanama, R.K., Ramakrishnan, B.	Effectiveness of Moisture-Cure Micaceous Iron Oxide Polyurethane Coatings in Reducing the Chloride Migration into Concrete - An Experimental Study	CORCON 2019: NIGIS	Mumbai, India	2019
Vanama, R.K., Ingle, R.K.	Parametric Study on Skew Underpass Bridge	25 th IRF International Conference	Chennai, India	2015
Vanama, R.K., Ingle, R.K.	Study of Loading Specifications for Railway Underpass Bridge	International Conference on Advances in Civil and Mechanical Engineering Systems	Amravati, India	2014
Vanama, R.K., Rao, P.K.R., Reddy, S.R.K.	Enhancement of Mathematical Model in the Stiffness Method of Structural Analysis	National Conference on Innovations in Engineering & Technology	Gudlavalleru, India	2013

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
NA	NA	NA	NA	NA

Updated on 03-Nov-2022