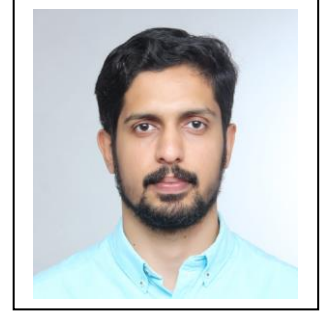


# National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

## Curriculum Vitae



### Brief Profile:

Dr. Greegar George is an Assistant Professor with the Department of Civil Engineering at National Institute of Technology, Tiruchirappalli. He did his Postdoctoral Research with the Department of Computational & Data Sciences at Indian Institute of Science Bangalore. He holds a B.Tech degree in Civil Engineering from NIT Calicut, and a Master of Science degree in Structural Engineering from IISc Bangalore.

He received his PhD in Structural Engineering from IISc Bangalore in 2019. For his doctoral dissertation, he worked on uncertainty quantification in structural systems using global response sensitivity analysis. He has developed methods for performing sensitivity analysis using model distance-based measures in the context of alternative uncertainty modelling methods, namely, probabilistic, non-probabilistic, and polymorphic modelling frameworks.

1. Name: Dr. Greegar George
2. Designation: Assistant Professor
3. Office Address: Department of Civil Engineering,  
National Institute of Technology  
Tiruchirappalli
4. Telephone (Direct) (Optional):  
Telephone: 0431 250 3172  
Mobile (Optional): 9483742674
5. Email (Primary): greegar@nitt.edu      Email (Secondary) :  
greegargeorge@gmail.com
6. Field(s) of Specialization: Structural Engineering
7. Employment Profile

Job Title	Employer	From	To
Assistant Professor	National Institute of Technology Tiruchirappalli	May 2020	Till date
Postdoctoral Research Associate	IISc Bangalore	June 2019	April 2020

## National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

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

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D	IISc Bangalore	2019		Structural Engineering
M.S. (Engg.)	IISc Bangalore	2019		Structural Engineering
B.Tech	National Institute of Technology Calicut	2012		Civil Engineering

### 9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Insti tution	From	To
MIS Coordinator	Civil Engineering	01-07-2020	Till present
Time Table Coordinator	Civil Engineering	01-03-2021	Till present
BoS Coordinator	UG – Civil Engineering	01-07-2021	Till present
Member	Ranking Analytics Committee	01-10-2021	Till present
Member	Stores Assets Verification Committee	01-10-2021	Till present
Member	UG admission committee	01-07-2021	Till present
Member	Seating and Logistics Committee Member, Convocation 2022	July 2021	

### 10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
MTech Project – External Examiner	Madanapalle Institute of Technology and Science, Andhra Pradesh	2020	2020

### 11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization

### 12. Fellowships

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

### 13. Details of Academic Work

#### (i) Curriculum Development

## National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

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(ii) Courses taught at Postgraduate and Undergraduate levels

### Undergraduate Level

- CEPC10 Engineering Mechanics
- CEPC11 Mechanics of Solids
- CEIR11 Basics of Civil Engineering
- MEIR12 Engineering Graphics

### Post graduate level

- CE662 Stochastic Processes in Structural Mechanics
- CE653 Structural Dynamics

(iii) Projects guided at Postgraduate level

Sl. No	Title of the Project	Name of Student	Roll No	Year
1	Sensitivity analysis of gravity dam subjected to seismic excitation	Anshul Dhanotiya	203219002	2021
2	Reliability analysis of artificially replaced hip prostheses	P Sateesh	203219015	2021
3	Contract management: Power distribution projects – Risk mitigation (Civil)	Rahul	203520018	2022
4	Finite element analysis of drilling process in carbon fiber composite material	Anmol Choudhary	203220004	2022
5	Seismic evaluation of reinforced structure using pushover analysis for different soil types	Passang Diki Sherpa	203220019	2022
6	Effect on impact factor due to moving load on steel-concrete composite bridges	Rajat Maheshwari	203220020	2022
7	Numerical Study on Shear Strength of Hollow Rectangular Bridge Pier Under Seismic Loads	Sajad Bakhteyari	203220031	2022

(iv) Projects guided at undergraduate level

Sl. No	Title of the Project	Name of Student	Roll No	Year
1	Global sensitivity analysis of a frame with uncertain loads and material properties	Godwin Xavier Raj, N Shankar Ganesh, Pranav Saravanabhavan	103117038, 103117066, 103117070	2021
2	Numerical investigation on the flexural behavior of geopolymers concrete beam reinforced with different types of fiber-reinforced polymer bars	Alwyn Prince, Lokesh K, Mano M, Minalan A S, Shreeram P K	203219015, 103118044, 103118052, 103118058, 103118088	2022

(v) Other contribution(s)

## National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

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### 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	Role	Event Organized by	Venue
10-12 March 2022	Fifth National Conference on Reliability and Safety (NCRS 2022)	National	Participant	Society for Safety and Reliability (SRESA) and Centre of Excellence on Safety Critical Systems, IIT Madras	Online
10 - 14 August 2020	E-Content Development	National	Participant	National Institute of Technical Teachers Training & Research Chennai	NITT
14-16 October 2021	Sustainable construction technologies and advancements in Civil Engineering	National	Session chair	Shri Vishnu College of Engineering, Andhra Pradesh	Online

### 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
High End workshop on “Advanced Techniques for Uncertainty modeling and Quantification in Civil Engineering	National	18-23 July 2022	Workshop Coordinator	NIT Tiruchirappalli

## National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

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### 18. Invited Talks delivered

Topic	Date	Inviting Organization
Technical talk on uncertainty analysis and sensitivity analysis of engineering structures	2019	Viswajyoti College of Engineering, Kerala
Technical talk on ConTech – Smart practices in construction engineering	2020	NSS College of Engineering Palakkad
Technical talk on Monte Carlo simulations in structural mechanics	2020	Shri Vishnu College of Engineering, Andhra Pradesh
Technical talk on uncertainty modelling using MATLAB	2021	National Institute of Technical Teachers' Training and Research, Chandigarh
Technical talk on an Introduction to uncertainty quantification in civil engineering	2021	Government College of Engineering, Kannur (GEC-K) Kerala
Technical talk on an Introduction to uncertainty quantification & Sensitivity Analysis	2022	Visvesvaraya National Institute of Technology Nagpur (VNIT Nagpur)
Technical talk on Monte Carlo simulations in structural mechanics	2022	Viswajyoti College of Engineering, Kerala

### 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	Journal
Greegar, G., and Manohar, C. S	Global response sensitivity analysis using probability distance measures and generalization of Sobol's	Probabilistic Engineering Mechanics	41	21-33	2015

**National Institute of Technology, Tiruchirappalli:  
Performa for CV of Faculty/ Staff Members**

	analysis				
Greegar, G., and Manohar, C. S	Global response sensitivity analysis of uncertain structures	Structural Safety	58	94-104	2016
Greegar, G., Abhinav, S., and Manohar, C. S.	Model Distance–Based Global–Local Response-Sensitivity Indexes for Randomly Inhomogeneous Structures under Stochastic Excitations.	ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering	4(3)	1-11	2018

**(B) Conferences/Workshops/Symposia Proceedings**

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Kanjilal, O., Greegar, G., Karuna, K., Manohar, C. S., and Usmani, A.	Analysis of heated structures with uncertain properties	Proceedings of First International Conference on Structural Safety under Fire and Blast	305-312	CONFAB 2015	Glasgow, United Kingdom	2015
Passang DS., Greegar, G.	Seismic Evaluation of Reinforced Structure using Pushover Analysis for Different Soil Types	International Conference on Structural Engineering and Construction Management (SECON 2022),		SECON 2022	Kerala, India	2022

**(C) Books & Monographs**

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