Dr Senthilkumar RAssistant Professor

Fields of Specialization

Earthquake Resistant Design of Structures and Steel – Concrete Composite Structures



1. Name: Senthilkumar R

2. Designation: Assistant Professor

3. Office Address: C24, Department of Civil Engineering,

NIT Trichy

4. Telephone (Direct) (Optional):

Telephone: Extn (Optional):

Mobile (Optional):

5. Email (Primary): senthilr@nitt.edu Email (Secondary):

senthil.civil@gmail.com

6. Field(s) of Specialization: Earthquake Resistant Design of

Structures and Steel – Concrete

Composite Structures

7. Employment Profile

Job Title	Employer	From	То
Assistant Professor	National Institute of Technology Trichy	March 2018	Present
Assistant Professor (Sr.)	Vellore Institute of Technology (VIT), Vellore	May 2017	March 2018
Assistant Engineer	Rural Development and Panchayat Raj Department, Govt. of Tamil Nadu	November 2011	June 2012
Management Trainee Engineer	Afcons Infrastructure Ltd	July 2011	October 2012

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

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	Indian Institute of Technology Madras, Chennai	2017	I	Structural Engineering

M.E.	College of Engineering, Guindy	2011	I	Structural Engineering
B.E.	Alagappa Chettiar College of Engineering & Technology, Karaikudi	2009	I	Civil Engineering
XII	Tamil Nadu State Board	2005	I	Mathematics & Biology
X	Tamil Nadu State Board	2003	I	Mathematics & Science

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	То
Time Table Coordinator	Civil / VIT Vellore	October	March 2018
		2017	
Anti-Ragging	VIT Vellore	June 2018	March 2018
Committee Member			
UGC Committee	VIT Vellore	September	January
Member		2017	2018
Master's Thesis Review	Structural Engineering / VIT Vellore	August	March 2018
Panel Member		2018	

10. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2011	Best Placement Ambassador	College of Engineering, Guindy

11. Fellowships

Year of	Name of the Fellowship	Awarding	From	То
Award		Organization	(Month/Year)	(Month/Year)
2017	Institute Post-Doctoral Fellowship	IIT Madras	January 2017	May 2017

12. Details of Academic Work

- (i) Curriculum Development
 - a. Advanced Design of Metal Structures (M. Tech)
- (ii) Courses taught at Postgraduate and Undergraduate levels
 - a. Engineering Mechanics, Construction Materials, Engineering Drawing, Natural Disaster Mitigation and Management (UG)
 - b. Earthquake Resistant Design of Structures (PG)
- (iii) Projects guided at Postgraduate level
 - a. Nonlinear Response of Regular Steel Frames for Different Column to Beam Strength Ratios
 - b. Experimental Investigation on Bond Behaviour of a Precast Connection

- c. Seismic Performance of Eccentrically Steel Braced Frames
- d. Lateral Load Evaluation of Precast Shear Wall
- e. Lateral Torsional Buckling of Non-prismatic Beams
- f. Impact of Infill Masonry Wall on the Seismic Response of RC Buildings

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

Date (s) 2015	Title of Activity Design	Level of Event (International/ National/ Local) International	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other) Paper Presenter	Event Organized by The 2015 World	Venue Incheon,
2013	Guidelines of Semi- Rigid Steel - Concrete Composite Frames	memanonai	Taper Tresenter	Congress on Advances in Structural Engineering and Mechanics	Korea
2014	Performance Based Seismic Design of Semi-rigid Steel Concrete Composite Multi-storey Frames	International	Paper Presenter	Structural Engineering Convention 2014	IIT Delhi
2014	Seismic Performance of Semi- Rigid Steel - Concrete Composite Multi- Storey Frames	National	Paper Presenter	FACEE 2014	CIT Coimbatore

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

Title of Activity	Level of Event	Date (s)	Role	Venue
	(International/			
	National/ Local)			
Self-Compacting	National	17-01-	Coordinator	VIT Vellore
Concrete		2018		
Earthquake Resistant	National	24-03-	Coordinator	VIT Vellore
Design of Structures		2018		

15. Academic Foreign Visits

Country	Duration of Visit	Programme
South Korea	1 week	The 2015 World Congress on Advances in
		Structural Engineering and Mechanics

16. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume	Page	Year
			(No.)	numbers	
Senthilkumar R,	Design of Semi-Rigid Steel -	Journal of	44 (2)	136-147	2017
Satish Kumar S R	Concrete Composite Frames for	Structural			
	Seismic Performance	Engineering			

(B) Books & Monographs

Author(s)	Title of Book/Monograph	Name of	Year of	ISSN/ISBN
		Publishers	Publication	Number
Senthilkumar R,	Advances in Structural	Springer India	2015	978-81-
Satish Kumar S R	Engineering: Dynamics,			322-2192-0
	Volume Two			