

**Curriculum Vitae**  
**Dr. J. Sevugan Rajkannu**  
National Institute of Technology, Tiruchirappalli:

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**Brief Profile:**

Dr. J. Sevugan Rajkannu received his Bachelor of Civil Engineering degree from Anna University Chennai. For two years, he worked in both the civil construction field and a research institution (CSIR-SERC). He obtained his M.S. and Ph.D. in structural engineering from IIT Madras. His Doctoral research is on “Beam-column behavior of cold-formed steel member influenced by cross-section warping”. Following that, he worked as a post-doctoral researcher on steel tubular members at IIT Madras. His research has been published in prestigious journals and at international conferences. Dr. J. Sevugan Rajkannu is currently working as an Assistant Professor at NIT Trichy in the Department of Civil Engineering. He is very passionate about teaching and research. He is interested in taking up research works in the area of Steel and metal structures, Low-cost affordable buildings, Glass & facade engineering, and structural health monitoring of building and bridges.



1.	Name:	<b>Dr.J. Sevugan Rajkannu</b>
2.	Designation:	Assistant Professor
3.	Office Address:	Room No: C4, Department of Civil Engineering National Institute of Technology, Trichy
4.	Telephone : Mobile (Optional):	9629609803
5.	Email (Primary):sevugan@nitt.edu	Email (Secondary) :sevuganrajkannu@gmail.com
6.	Field(s) of Specialization:	<ul style="list-style-type: none"><li>• Structural Engineering</li><li>• Thin-walled steel &amp; metal structures</li><li>• High strength steel members</li><li>• Stability of structures</li><li>• Composite structures</li><li>• Structural Health Monitoring</li><li>• Finite element analysis</li><li>• Structural glass &amp; Façade systems.</li></ul>

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7. Employment Profile

Job Title	Employer	From	To
Assistant Professor	National Institute of Technology Trichirapalli	23-Oct-2022	Till date
Post-Doctoral Researcher	IIT Madras (Structural Engineering)	September 2022	September 2023
Project Associate	IIT Madras (Ocean Engineering)	Feb 2014	August 2014
Project Assistant	CSIR-SERC (Structural Engineering research Institute)	Feb 2013	Feb 2014
Site Engineer	Jayam Consultantancy Pvt.Ltd	August 2012	Feb 2013

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

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D	IIT Madras	2021	8.1	Structural Engineering
M.S	IIT Madras	2021	8.1	Structural Engineering
B.E	Anna University Chennai	2012	7.8	Civil Engineering
HSC	Tamilnadu State board	2008	81 %	Mathematics, Biology,
SSLC	Tamilnadu state board	2006	91.6 %	Mathematics, Science, Tamil.

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
NA	NA	NA	NA

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11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2011	First Prize in National Level Technical symposium	R.V.S Engineering college, Dindugul.
2011	Second prize in Technical QUIZ contest	R.V.S Engineering college, Dindugul.
2011	First prize in Technical Code Cracking Event	K.L.N college of Engineering Madurai.
2011	First prize in Technical Code Cracking Event	Thiyagaraja College of Engineering, Madurai.

12. Fellowships

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

13. Details of Academic Work

(i) Curriculum Development

(ii) Courses taught at Undergraduate levels

- Construction Techniques and Equipment
- Surveying Laboratory

(iii) Projects guided at Postgraduate level

(iv) Other contribution(s)

14. Details of Major R&D Projects

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

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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
2011	National level Symposium	National	Paper Presenter	RVS Engineering college	Dindugal
2011	Symposium	National	Paper Presenter	KLN College of Engineering	Madurai
2018	Conference	International	Paper Presenter	University of Lisbon	Portugal

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
Design of Steel structure –Eurocode 3	International	2018	Head-Organizing committee	IIT Madras
Design using Revised Wind code IS-801 Part-3	National	2019	Organizing Secretary	IIT Madras

18. Invited Talks delivered

Topic	Date	Inviting Organization
Conceptual design of steel Structure	19-04-2022	S.A Engineering college, Chennai
Training on Research Application of software- ABAQUS	11-4-2022 to 12-4-2022	Regional Institute of Technology Kottayam
Advances in steel structure, Design of Pre-stressed concrete	11-8-2019, 25-8-2019	CADD SCHOOL, Chennai
Design of Cold-formed steel members	5-4-2022	National Institute of Technology Warrangal

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member )	Organization	Membership No. with date
Ordinary member	Structural stability Research Council	-----

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20. Academic Foreign Visits

Country	Duration of Visit	Programme
Portugal	4 Days	International conference on thin walled Structures (ICTWS-2018)
United States of America	6 Days	Structural Stability Research council

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
<b>J Sevugan Rajkannu &amp; Arul Jayachandran</b>	Flexural torsional buckling strength of Thin –walled channel sections under warping restraint	Journal of constructional steel Research	169-2020- (106041)	1-15	2020	4.36
<b>J Sevugan Rajkannu &amp; Arul Jayachandran</b>	Experimental evaluation of DSM beam-column strength of cold-formed steel member under uniaxial eccentric compression	Thin walled structure	174-2022- (109096)	1-12	2022	5.8

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Pg	Conference Theme	Venue	Year
J Sevugan Rajkannu , Arul Jayachandran	Investigations on Design implementation of cold-formed steel beam-column members using direct strength method	Eighth International conference on Thin Walled Structures.		Thin walled structures	Lisbon, Portugal	2018
J Sevugan Rajkannu , Arul Jayachandran	Investigation on effects of warping on the behaviour of cold formed steel beam-	Annual stability conference structural		Stability of structures	St.Louis, USA	2019

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	columns	stability research council				
J Sevugan Rajkannu , Arul Jayachandran	Nonlinear framework for Design of cold-formed steel beam-column	<i>Eleventh Structural Engineering Convention</i>		Structural Engineering	Jadavpur	2018
J Sevugan Rajkannu , Arul Jayachandran	Numerical study on the effect of warping in cold-formed steel beam-column	<i>International Conference on Advances in construction materials and structures</i>		Construction materials and structures	IIT Roorkee	2018
J Sevugan Rajkannu , Chinmai Goripathi, Arul Jayachandran	Investigation on non-linear interaction framework for zee shaped cold-formed steel beam-column	Indian steel conference		Steel structures	IIT Hyderabad	2020
J Sevugan Rajkannu & Arul Jayachandran	Investigation on the stability behaviour of cold formed steel beam-columns under bi-axial bending	Annual stability conference structural stability research council		Stability of structures	Atlanta USA	2020
Rowena Rachel, Akshay Mangal Mahar, J. Sevugan Rajkannu	Effect of Cross-sectional Parameters on the First Yield Surface of CFS Zed Purlin Under Biaxial Bending	<i>Emerging Research trends in Structural Engineering</i>		Structural Engineering	VIT Vellore	2022

(C) Books & Monographs

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