

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

## Curriculum Vitae

**Brief Profile:** *Dr. Marisamynathan* is an Assistant Professor in the Department of Civil Engineering, National Institute of Technology (NIT) Tiruchirappalli, Tamil Nadu, India. He worked as a Post-Doctoral Research Fellow at SUTD – MIT International Design Centre, Singapore University of Technology and Design, Singapore before joining NIT Trichy in 2018. He received his PhD in Transportation Systems Engineering from Indian Institute of Technology Bombay, India in 2017.



His doctoral research focused on modeling pedestrian crossing behavior, delay and level of service at signalized intersections under mixed traffic conditions. After graduating in Civil Engineering from Government College of Engineering and Technology Karaikudi (ACCET), Anna University, he had obtained a master's degree in Transportation Engineering from College of Engineering Guindy (CEG), Anna University, Chennai, India.

His research interests include road safety and accident analysis, traffic engineering and management, pedestrian and driver behaviour modeling, facility design and evaluation, traffic operation and simulation, freight demand modelling.

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Secondary: marisamy1989@gmail.com
6. Field(s) of Specialization: Transportation Engineering

### 7. Employment Profile

Job Title	Employer	From	To
Assistant Professor	National Institute of Technology, Tiruchirappalli	02.04.2018	Till date
Postdoctoral Research Fellow	Singapore University of Technology and Design, Singapore	Jan. 2018	March 2018

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

Job Title	Employer	From	To
Project Research Scientist	Indian Institute of Technology Bombay	Nov. 2017	Jan. 2018
Research Associate	Indian Institute of Technology Bombay	May. 2017	Nov. 2017

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

Examination	Board / University	Year	Division/ Grade	Subjects
Doctor of Philosophy (PhD)	Indian Institute of Technology Bombay	2017	-	Transportation Systems Engineering
Master of Engineering (M.E.)	College of Engineering Guindy (CEG), Anna University	2012	First Class with Distinction	Transportation Engineering
Bachelor of Engineering (B.E.)	College of Engineering and Technology Karaikudi (ACCET), Anna University	2010	First Class	Civil Engineering
HSC	State Board	2006	First Class	Mathematics – Biology
SSLC	State Board	2004	First Class	All Subjects

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

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2018	International Travel Support	Department of Science and Technology (DST), Government of India
2018	TRB Travel Support	Association of Transportation Professionals of Indian Origin

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

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12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
2018	Postdoctoral research fellowship	Singapore University of Technology and Design	Jan. 2018	Jan. 2019

13. Details of Academic Work

- (i) Curriculum Development
- (ii) Courses taught at Postgraduate and Undergraduate levels
- (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	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
July 21-22, 2017	Conference	International	Paper Presenter	International Conference on Advances in Highway Engineering and Transportation Systems	Sri Lanka
Jan. 8-12, 2017	Conference	International	Paper Presenter	96th Annual Meeting, Transportation Research Board (TRB)	Washington, D.C.
Nov. 8-11, 2016	Conference	National	Paper Presenter	9th Urban Mobility India Conference and Expo	Gujarat, India

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

Oct. 21-22, 2016	Conference	National	Paper Presenter	32nd National Convention of Civil Engineers	Goa, India
July 10-16, 2016	Conference	International	Paper Presenter	13th World Conference on Transportation Research (WCTR)	Shanghai, China
July 4-7, 2017	Conference	International	Paper Presenter	14th COTA International Conference of Transportation Professionals (CICTP 2014)	Changsha, China
Dec. 19-21, 2016	Conference	International	Paper Presenter	12th International Conference of Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC)	Mumbai, India
Dec. 10-12, 2014	Conference	International	Participant	11th International Conference of Transportation Planning and Implementation Methodologies for Developing Countries	Mumbai, India
Dec. 12-15, 2013	Conference	National	Paper Presenter	2nd Conference of Transportation Research Group of India (CTRG)	Agra, India
Dec. 12-14, 2012	Conference	International	Paper Presenter	10th International Conference of Transportation Planning and Implementation Methodologies for Developing Countries	Mumbai, India
Mar. 2-3, 2012	Conference	National	Paper Presenter	National Conference on Advanced Trends in Civil Engineering (NCATCE)	Coimbatore, India
2009	Symposium	National	Paper Presenter	National Level Technical Symposium in Civil Engineering (LANDMARK)	Coimbatore, India
2008	Symposium	National	Paper Presenter	National Level Technical Symposium in Civil Engineering Association (GEOFEST)	Coimbatore, India

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

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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
NA	NA	NA	NA	NA

18. Invited Talks delivered

Topic	Date	Inviting Organization
NA	NA	NA

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member )	Organization	Membership No. with date
Life Member	Member of International Association of Engineers (IAENG)	189320
Ordinary Member	Member of World Conference on Transport Research Society (WCTRS)	-

20. Academic Foreign Visits

Country	Duration of Visit	Programme
NA	NA	NA

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
<b>Marisamy nathan S</b> and Vedagiri P.	Modeling Pedestrian Crossing Behavior and Safety at Signalized Intersections in Developing Countries	Transportation Research Record: Journal of the Transportation Research Board	In Press	1-11	2018	

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

<b>Marisamy nathan S</b> and Vedagiri P.	Estimation of pedestrian safety value at signalized intersections under mixed traffic conditions	Transportation in Developing Economies (TIDE)	4(5)	1-11	2018	
<b>Marisamy nathan S</b> and Vedagiri P.	Pedestrian safety evaluation of signalized intersections using surrogate safety measures	Transport, Taylor and Francis	In Press	1-10	2018	
<b>Marisamy nathan S</b> and Vedagiri P.	Modelling pedestrian level of service at signalized intersection under mixed traffic conditions	Transportation Research Record: Journal of the Transportation Research Board	2634	86-94	2017	
<b>Marisamy nathan S</b> and Vedagiri P.	A new approach to estimate pedestrian delay at signalized intersections	Transport, Taylor and Francis	33(1)	249-259	2016	
<b>Marisamy nathan S</b> and Lakshmi S.	Method to determine pedestrian level of service for sidewalks in Indian context	Transportation Letters: The International Journal of Transportation Research. Taylor and Francis	In Press	1-8	2016	
<b>Marisamy nathan S</b> and Vedagiri P.	A Statistical analysis of pedestrian behaviour at signalized intersections	European Transport\ Transporti Europei, ISTIEE	57	1-18	2015	
<b>Marisamy nathan S</b> and Vedagiri P.	Study on pedestrian crossing behavior at signalized intersections	Journal of Traffic and Transportation Engineering, Elsevier	1(2)	103-110	2014	

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

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

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
<b>Marisamy nathan S</b> and Vedagiri P	A Methodology to evaluate pedestrian perceptions based safety level at signalized intersections in developing countries	Transportation Research Board 97th Annual Meeting,	1-5	Transportation Engineering	Washington DC	2018
<b>Marisamy nathan S</b> and Vedagiri P	Study on Pedestrian Crossing Behaviour at Signalized Intersections	ASCE: Proceedings of CICTP 2014: Safe, Smart, and Sustainable Multimodal Transportation Systems	2641– 2652	Transportation Engineering	China	2014
<b>Marisamy nathan S</b> and Vedagiri P	Modelling Pedestrian Delay at Signalized Intersections under Mixed Traffic Conditions	Proceedings of Transportation Research Board 93rd Annual Meeting CD ROM	1-18	Transportation Engineering	Washington DC.	2014
<b>Marisamy nathan S</b> and Vedagiri P	Modelling Pedestrian Delay at Signalized Intersection Crosswalks under Mixed Traffic Condition	Procedia - Social and Behavioral Sciences, Elsevier,	104, 708–717.	Transportation Engineering	Agra, 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