

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

Curriculum Vitae



Brief Profile: 1-2 paragraphs (not exceeding 500 words)

I am **Dr. Sunitha V.** I completed my B.Tech. Degree from University of Calicut, in the year 2001, M. Tech. Degree from NIT Calicut in 2003 and Ph.D. from IIT Madras in 2013. I joined National Institute of Technology, Tiruchirappalli in the year 2003 as Research Associate and is currently working as **Assistant Professor**. I am having 13 years of experience in teaching. I have completed Two sponsored projects, one project on "Coir Geotextiles Reinforced Low Volume Rural Road Pavement Performance Studies in Tamilnadu and Puducherry" sponsored by Coir Board, Ministry of MSME, Government of India worth Rs. 12.5 lakhs and another on Urban Pavement Maintenance Management Systems (UPMMS) sponsored by Ministry of Urban Development and IIT, Madras worth Rs. 10 lakhs. Currently I am co-ordinating two sponsored projects on Pavement Performance Studies on Coir Geotextile Reinforced Rural Roads in Tamilnadu sponsored by Coir Board, Ministry of MSME, Government of India worth Rs. 420 lakhs and another on Performance Monitoring and Evaluation of Pilot Projects of PMGSY Roads Sanctioned by NRRDA with New Technology/Material - RBI Grade 81 sponsored by NRRDA for Rs. 7 lakhs. I am a coordinator for the MHRD sponsored Centre of Excellence in Transportation Engineering (CETransE). I am a member of State Technical Agency of Prime Minister Gram Sadak Yojana (PMGSY) program for Tamilnadu and Pondicherry.

My area of research interest is on pavement materials and pavement management systems. I have guided 38 Post graduate project works in various fields such as Transportation Engineering, Transportation Planning and Pavement Engineering. Currently three PhD scholars are working under my guidance. I have published 36 papers in International/National journals, and International/National conferences. I have organised seven workshops/short Term Programmes/Conferences, etc. I am also involved in Transportation related consultancy works also. I am a member of the professional bodies such as Indian Roads Congress, Institution of Engineers and Indian Geotechnical Society. I am currently the co-ordinator for the M.Tech. programme in Transportation Engineering and Management.

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

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Faculty in-charge, Transportation Engineering Laboratory	Faculty in-charge, Transportation Engineering Laboratory	2006	Till date
Co-ordinator for Timetable	Co-ordinator for Timetable in Civil Engineering Department	2005	2007
Faculty adviser for Publicity Committee	Faculty adviser for Publicity Committee of Civil Engineering Association 2009, 2010	2009	2010
Organizing committee member for first year organization	Organizing committee member for first year organization programme for B.Tech. and B.Arch.	2013	2014
DPEC Member	Member, Department Project Evaluation Committee (DPEC) of M.Tech Transportation Engineering and Management	2013	2014
New MBA Building Monitoring Committee member	Monitoring the construction activities of New Management Studies Department Building	2014	
Member for Stock verification	Member for physical verification of moveable asserts of CEESAT	2013	2014
DPEC Member	Member, Department Project Evaluation Committee (DPEC) of M.Tech Transportation Engineering and Management	2014	Till date
Class Committee Chairman	Class Committee Chairman for M.Tech. I st Semester Environmental Engineering	2014	2015
Ph.D. Doctoral committee member	Doctoral committee member of Ph.D. Scholar Archana. S.	2014	Till date
Ph.D. Doctoral committee member	Doctoral committee member of Ph.D. Scholar Cynthia	2016	Till date
Coordinator for the M.Tech.	Coordinator for the M.Tech. Transportation Engineering and Management	2016	Till date

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To

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

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)
2001	GATE	MHRD	March 2001	March 2003

13. Details of Academic Work

(i) Curriculum Development

1. Pavement Materials and Design
2. Pavement Construction and Maintenance
3. Pavement Analysis and Design
4. Traffic Engineering and Highway Geometrics
5. Transportation and Land Use Planning
6. Urban Transportation Systems
7. Road Transport Management and Economics
8. Highway Materials
9. Traffic and pavement Engineering Lab
10. Highway Engineering Lab
11. CAD in Transportation Engineering Lab

(ii) Courses taught at Postgraduate and Undergraduate levels

Year and Semester	Course	Subject
2006 – 07 Odd	M. Tech. (Transportation Engineering and Management)	CE603 Transportation Systems
	M. Tech. (Transportation Engineering and Management)	CE604 Traffic and Highway Engineering Lab
	B. Tech. (Civil Engineering)	CE205 Surveying I
	B. Tech. (First Year)	MP101 Engineering Graphics
2006 – 07 Even	M. Tech. (Transportation Engineering and Management)	CE605 Road Transport Management and Economics
	M. Tech. (Transportation Engineering and Management)	CE608 CAD in Transportation Engineering
	B. Tech. (Civil Engineering)	BCV602 Transportation Engineering I

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

2007 – 08 Even	M. Tech. (Transportation Engineering and Management)	CE605 Road Transport Management and Economics
	B. Tech. (Civil Engineering)	CE304 Transportation Engineering I
	B. Tech. (First Year)	MP102 Computer Aided Engineering Graphics
2008 – 09 Odd	B. Tech. (First Year)	ME102 Engineering Mechanics
	B. Tech. (Mechanical Engineering)	CE281 Strength of Materials
	B. Tech. (Civil Engineering)	CE407 Computer Aided Design II
2008 – 09 Even	M. Tech. (Transportation Engineering and Management)	CE605 Road Transport Management and Economics
	M. Tech. (Transportation Engineering and Management)	CE608 CAD in Transportation Engineering
	B. Tech. (First Year)	BEI102 Basic Civil Engineering
2009 – 10 Odd	M. Tech. (Transportation Engineering and Management)	CE602 Pavement Analysis and Design
	M. Tech. (Transportation Engineering and Management)	CE407 Traffic and Pavement Engineering Lab
	B. Tech. (Civil Engineering)	CE403 Transportation Engineering II
	B. Tech. (Civil Engineering)	CE211 Building Planning and Drawing
2009 – 10 Even	M. Tech. (Transportation Engineering and Management)	CE605 Road Transport Management and Economics
	M. Tech. (Transportation Engineering and Management)	CE608 CAD in Transportation Engineering
	B. Tech. (First Year)	MP101 Engineering Graphics
2010 – 11 Odd	M. Tech. (Transportation Engineering and Management)	CE602 Pavement Analysis and Design
	M. Tech. (Transportation Engineering and Management)	CE407 Traffic and Pavement Engineering Lab
	B. Tech. (Civil Engineering)	CE403 Transportation Engineering II
2010 – 11 Even	M. Tech. (Transportation Engineering and Management)	CE605 Road Transport Management and Economics
	B. Tech. (First Year)	BEI102 Basic Civil Engineering
	B. Tech. (Civil Engineering)	CE216 Strength of Materials Lab
2011 – 12 Odd	M. Tech. (Transportation Engineering and Management)	CE602 Pavement Analysis and Design
	M. Tech. (Transportation Engineering and Management)	CE407 Traffic and Pavement Engineering Lab
	B. Tech. (Civil Engineering)	CE403 Transportation Engineering II

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

2011 – 12 Even	M. Tech. (Transportation Engineering and Management)	CE605 Road Transport Management and Economics
	M. Tech. (Transportation Engineering and Management)	CE608 CAD in Transportation Engineering
	B. Tech. (First Year)	BEI102 Basic Civil Engineering
2012 – 13 Odd	M. Tech. (Transportation Engineering and Management)	CE602 Pavement Analysis and Design
	M. Tech. (Transportation Engineering and Management)	CE407 Traffic and Pavement Engineering Lab
	B. Tech. (Civil Engineering)	CE403 Transportation Engineering II
2012 – 13 Even	M. Tech. (Transportation Engineering and Management)	CE605 - Road Transport Management and Economics
	B. Tech. (Civil Engineering)	CE461 - Pavement Analysis and Design
	M. Tech. (Transportation Engineering and Management)	CE608 - CAD in Transportation Engineering
2013-14 Odd	M. Tech. (Transportation Engineering and Management)	CE603 - Pavement Analysis and Design
	B. Tech. (Civil Engineering)	CE403 - Transportation Engineering II
	B. Tech. (Civil Engineering)	CE609 - Traffic and Pavement Engineering Laboratory
2014-15 Odd	M. Tech. (Transportation Engineering and Management)	CE603 - Pavement Analysis and Design
	M. Tech. (Transportation Engineering and Management)	CE613 - Pavement Materials
	B. Tech. (Civil Engineering)	CE609 - Traffic and Pavement Engineering Laboratory
2014-15 Even	M. Tech. (Transportation Engineering and Management)	CE602 - Road Transport Management and Economics
	B. Tech. (Civil Engineering)	CE210 - Transportation Engineering-I
	M. Tech. (Transportation Engineering and Management)	CE610 - CAD in Transportation Engineering
2015-16 Odd	B. Tech. (Civil Engineering)	CE309 - Transportation Engineering - II
	M. Tech. (Transportation Engineering and Management)	CE603 - Pavement Analysis and Design
	M. Tech. (Transportation Engineering and Management)	CE609 - Traffic and Pavement Engineering Laboratory
2015-16 Even	B. Tech. (Civil Engineering)	CE461 Pavement Analysis and Design
	M. Tech. (Transportation Engineering and Management)	CE604 Transportation Planning
	B. Tech. (Civil Engineering)	CE 310 Highway Materials Laboratory

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

2016-17 Odd	B. Tech. (Civil Engineering)	CE309 Transportation Engineering - II
	M. Tech. (Transportation Engineering and Management)	CE603 Pavement Materials and Design
	M. Tech. (Transportation Engineering and Management)	CE609 - Traffic and Pavement Engineering Laboratory

(iii) Projects guided at Postgraduate level

2006-2007

1. Study of Work Trip Pattern of Two Contrasting Residential Settlements in Tiruchirappalli City
2. Regional Road Network Planning - A Case Study of Four districts of Tamil Nadu

2008-2009

3. Genetic Algorithm Approach for Pavement Maintenance and Rehabilitation
4. Development of Performance Based Flexible Pavement Deterioration Models – A Case Study of NH – 210
5. Facility Based Regional Rural Road Planning
6. Application of Coir Geotextile in Flexible Pavement

2009-2010

7. GIS – GPS Based Pavement Management System
8. 2010-2011
9. Coir Geotextile Reinforced Rural Road Pavement Performance Study
10. Pavement Distress Analysis using Image Processing Techniques
11. Urban Pavement Maintenance Management System for Tiruchirappalli City
12. Performance Study of Semi Dense Bituminous Concrete by adding Polymer Fibres

2011-2012

13. Urban Pavement Maintenance Management System (UPMMS)
14. Experimental study on properties of pervious concrete and its applicability in pavement
15. Evaluation of fatigue behaviour of sub-grade and sub-base soil performance enhancers

2012-13

16. Optimization of pavement management system for urban roads in Tiruchirappalli city
17. Experimental analysis of stone matrix asphalt with additives
18. Residential location modeling for Tiruchirappalli city
19. Potential of coir in sub-grade improvement and pavement performance
20. Comparative study of soil strength estimation models developed based on CBR, DCP and GEOGAUGE test results

National Institute of Technology, Tiruchirappalli:

Performa for CV of Faculty/ Staff Members

2013-14

21. Optimization of Maintenance Strategies for Urban Roads in Tiruchirappalli City
22. Effect of Flyash and Steel Slag in Sub-base layer
23. Performance Studies on Bituminous Concrete Mixes Using Waste Plastics
24. Application of Jute and Coir Geotextiles in Flexible Pavement
25. Experimental Investigation on Material Properties of Various Types of Binders

2014-15

26. Pavement Management System for Urban Roads in Tiruchirappalli City using GAMS
27. Evaluation of Performance Enhancers (RBI-81,Cement) in Base Layer of Pavement
28. Study of Effect of Coir Geotextile as Reinforcement in Pavement Design
29. Effect of Copper Slag as Replacement of Fine Aggregate in Sub-base Layer
30. Experimental Investigation on the Properties of Modified Bitumen Binders
31. Pavement Performance Model for PMGSY Roads in India

2015-16

32. Study of Effect of Coir Geotextile as Reinforcement in Flexible Pavement
33. Evaluation of Subgrade Soil Properties using Insitu and Laboratory Tests
34. Mode Choice Modelling of Work Trips in Tiruchirappalli City Using Decision Tree
35. Cost Effective Rehabilitation Alternative for Flexible Pavement- Whitetopping
36. Laboratory Investigation on Reclaimed Asphalt Pavement
37. Experimental Investigation on Rheological Properties of Asphalt Binder using Dynamic Shear Rheometer

MS (By Research) Guided

38. Experimental Investigation on the Partial Replacement of Fine Aggregate with Waste Granite Fines in Concrete Paving Block – Arjun Siva Rathan R.T.

(iv) Other contribution(s)

UG Projects guided:

1. Design of a Road Using MXroad
2. Application of GIS in real estate plot selection: Thillainagar area
3. Locomotive scheduling
4. Effect of gradation on the properties of bituminous concrete mixes
5. Bus Transport Efficiency Assessment
6. Deterioration Model for Urban Pavement
7. Roughness Prediction Model for Urban Pavement
8. Household Trip Generation for Abhishekapuram Zone in Tiruchirappalli

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

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Coir Geotextiles Reinforced Low Volume Rural Road Pavement Performance Studies in Tamilnadu and Puducherry	Coir Board, Ministry of MSME, Government of India	08.04.2008	08.04.2012	Completed
Urban Pavement Maintenance Management Systems (UPMMS)	Ministry of Urban Development and IIT, Madras, Chennai	29.11.2010	29.11.2012	Completed
Pavement Performance Studies on Coir Geotextiles Reinforced Rural Roads in Tamilnadu	Coir Board, Ministry of MSME, Government of India.	01.04.2011	31.03.2014	On-going
Centre of Excellence in Transportation Engineering	MHRD, Government of India	May 2013	May 2017	On-going
Performance Monitoring and Evaluation of Pilot Projects of PMGSY Roads Sanctioned by NRRDA with New Technology/Material - RBI Grade 81 Manufactured by Alchemist Technology Ltd, New Delhi	NRRDA	2013		On-going

15. Number of PhDs guided

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

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

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 03, 2004	National Conference on Applications of GIS and GPS in Civil Engineering	National	Participant	Jaya Engineering College, Thiruninravur	Jaya Engineering College, Thiruninravur
25 th February 2005	Environment Friendly Transportation”, PRITHVI 2005	International	Participant	Global Eco Meet, Trivandrum, Kerala	Trivandrum, Kerala
19 th – 23 rd June 2006	Training in Civil Engineering Laboratories under TEQIP – Network – Faculty Training Scheme	National	Participant	TEQIP	National Institute of Technology, Warangal
10 th – 12 th January 2007.	Indo – U.S. Workshop on Recent Advances in Transportation Engineering	International	Participant	I.I.T., Madras	I.I.T., Madras
4 th to 6 th February 2007	International Conference on Nanomaterial and its applications	International	Participant	Department of Chemistry, NIT Trichy	NIT Trichy
1 st and 2 nd February 2007	workshop on “Finite Element Methods for Engineers”	National	Participant	TEQIP Community Services	NIT Trichy
19-23 February 2007	QIP short term course on “Recent	National	Participant	NIT Trichy	NIT Trichy

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

	advancements in Environmental Engineering”				
16 - 21 July 2007	QIP Short Term Training Programme on “Recent Advances in Flexible Pavement Engineering”	National	Participant	IIT, Madras	IIT, Madras
	workshop on “Concrete Mix Design”	National	Participant	NIT Trichy	NIT Trichy
23 - 28 June 2008	QIP Short Term Training Programme on “Asphalt Binder and Mixture Characterization	National	Participant	IIT, Madras	IIT, Madras
08 - 09 August 2008	workshop on “Right to Information ACT, 2005 and Role of Information Officer”	National	Participant	National Archives of India, RTI Cell, New Delhi and NIT Trichy	NIT Trichy
05 - 10 January 2009	Induction Training Programme on “Instructional Design and Delivery System”	National	Participant	National Institute of Technical Teachers Training and research, Chennai	National Institute of Technical Teachers Training and research, Chennai
01 st March 2011	seminar on “New Materials in Road Construction For stabilized Pavements”	National	Participant	IIT, Madras	IIT, Madras
09 - 10 September 2011	seminar on “Modern Construction Methods and Materials”	National	Participant	The Institution of Engineers (India), Tiruchirappalli	NIT Trichy
July 13 -	National	National	Participant	IIT, Madras	IIT, Madras

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

14, 2012	Conference on “Urban Mobility – Challenges, Solutions and Prospects”				
April 28 – 29, 2015	workshop on “Conclave on Academic Reforms - CAR 2015”	National	Participant	NIT Trichy	NIT Trichy
24-25 October, 2016	Dissemination Workshop on Development of Warrants for use of Modified Binders for Improved performance of Flexible Pavements – A DST-IIT Madras Initiative	National	Participant	IIT, Madras	IIT, Madras

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
workshop on “Testing of Construction Materials”, under TEQIP Community Services	National	26-27, February 2007	Co-ordinator	Dept. of Civil Engineering NIT Tiruchirappalli
Coir Board Sponsored Training Programme on Technological Initiatives under PMGSY	Local	7, October 2013	Co-ordinator	Dept. of Civil Engineering NIT Tiruchirappalli
workshop on “Transportation Infrastructure Planning – Latest Technologies”, under TEQIP	National	2–22, November 2013	Co-ordinator	Dept. of Civil Engineering NIT Tiruchirappalli
Workshop on Urban Pavement Maintenance	Local	15, April 2015	Co-ordinator	Dept. of Civil Engineering

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

Management Systems (UPMMS) to Corporation Engineers				NIT Tiruchirappalli
2 nd Conference on Transportation Systems Engineering and Management (CTSEM) under Centre of Excellence in Transportation Engineering (CETransE)	National	1-2, May 2015	Organizing Secretary	Dept. of Civil Engineering NIT Tiruchirappalli
Short Term Training Programme on Recent Trends in Transportation Engineering	National	11-16, July 2016	Co-ordinator	Dept. of Civil Engineering NIT Tiruchirappalli
Workshop on Traffic Simulation Tools under Centre of Excellence in Transportation Engineering (CETransE)	National	1-2, December 2016	Co-ordinator	Dept. of Civil Engineering NIT Tiruchirappalli

18. Invited Talks delivered

Topic	Date	Inviting Organization
Material Characterization of Pavement Materials	18-23, May 2009	NIT Tiruchirappalli
Material Characterization of Pavement Materials	13-18, July 2009	NIT Tiruchirappalli
Material Characterization of Pavement Materials	8 th – 13 th February, 2010	NIT Tiruchirappalli
Material Characterization of Pavement Materials	9 th May, 2014	NIT Tiruchirappalli
Material Characterization of Aggregates in concrete	29 th February 2016	NIT Tiruchirappalli
Geotechnical Aspects of Pavements	10 th – 12 th March 2016	NIT Tiruchirappalli
Flexible Pavement Design	23 rd June 2016	PSNA College of Engineering and Technology, Dindigul
Pavement Management for rural Roads	23 rd September 2016	Rajiv Gandhi Institute of Technology, Kottayam

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

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life Member	Indian Road Congress	M-29704, 2004
Associate Member	The Institution of Engineers (India)	AM097458-5, 2009
Life Member	Indian Geotechnical Society	LM-3666, 2013

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Singapore	27 - 29 July 2016	8 th International Conference on Maintenance and Rehabilitation of Pavements (MAIREPAV8)

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
V. Sunitha, A. Veeraragavan, Karthik K. Srinivasan, and Samson Mathew	Cluster-Based Pavement Deterioration Models for Low-Volume Rural Roads	ISRN Civil Engineering	Vol. 2012	Article ID 565948	2012	
V. Sunitha, A. Veeraragavan, Karthik K. Srinivasan, and Samson Mathew	Application of Factor Analysis in Maintenance Management of Low Volume Roads	International Journal of Pavement Research and Technology	Volume 6, No. 2	130-135	March 2013	

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

R.T Arjun Siva Rathan, V. Sunitha and Samson Mathew	Experimental Investigation on the Partial Replacement of Fine Aggregate with Waste Granite Fines in Concrete Paving Block	International Journal of Earth Sciences and Engineering	Volume 7, No. 5	1099 - 1104	October 2014	
Latha, D., Sunitha, V., Mathew, S.	Experimental Investigation to Find Transition Temperature of VG-30 Binder	International Journal of Civil, Environmental, Structural, Construction and Architectural Engineering	volume 9, No. 12	1558 - 1562	2015	
Samson Mathew, A. K. Raji, S. Malagi and V. Sunitha	Rural Connectivity based on ranking of villages – a Case study of Mandhya District of Karnataka	Journal of The Institute of Engineers (India)	Vol. 88	34-42	November 2007	

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Samson Mathew, D. Srividya and V. Sunitha	Selection of Site for Vegetable Market in Tiruchirappalli Using Integrated GIS and User Optimisation	National Conference on Applications of GIS and GPS in Civil Engineering	151-161		Jaya Engineering College, Thiruninravur	July 03, 2004

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

Samson Mathew, D. Srividya, V. Sunitha and R. Sundaresan	User Optimized Vegetable Market Site Selection Using Integrated GIS	National Conference on Advances in Road Transportation (ART – 2005)	182 – 188		National Institute of Technology, Rourkela, Orissa	February 12 – 13, 2005
Samson Mathew, V. Sunitha , V. M. Rajanandhini and R. Resmi	Integrated Transportation System for Tiruchirappalli City	National Conference on GIS, GPS and RS applications in Transportation Planning and Management	76-84		St. Peters Engineering College, Chennai	November 21 st to 22 nd , 2006
Samson Mathew, A. K. Raji, V. Sunitha and Swathi N.	Rural Road Network Planning - A case study of Karimnagar District in Andhra Pradesh	National conference of Focussing on Advances in Civil Engineering FACE	85-90		Thangal Kunju Musaliar College of Engineering, Kerala	1 st – 3 rd , February 2007
Samson Mathew, V. Sunitha , R. Resmi and Pooja. S. Nair	Commuters Rating on Bus Transport System in Tiruchirappalli City	National conference of Focussing on Advances in Civil Engineering FACE	175 - 180		Thangal Kunju Musaliar College of Engineering, Kerala	1 st – 3 rd , February 2007
S. Moses Santhakumar, Samson Mathew, V. Sunitha and J Sheeba	Travel Characteristics of Tamil Nadu Rural Population	National Conference on Earthquake and Transportation Engineering NCETE '07	TE143		Sona College of Technology, Salem	22 nd to 23 rd March 2007
R. Jayasankar, V. Sunitha , S. Abdul Rasheed, and A. Siddique	A Study on Cost Effectiveness of Stabilized Flyash for Rural Road Construction,	ROAD 07, National Conference, Workshop and Exposition on Trends in Road Making Materials, Methods & Machines – for Quality, Economy & Speed	95 – 109		Lakshmi Narain College of Technology, Bhopal	21 st – 24 th April 2007

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

S. Moses Santhakumar, Samson Mathew, R. Jayasankar and V. Sunitha	Impact of PMGSY on Travel Characteristics of Tamil Nadu Rural Population	National Conference on Rural Roads,	349 – 358		Vigyan Bhawan, New Delhi	May 22 – 24 2007
Samson Mathew, V. Sunitha , G. S. Ramanujam and A.Veeraragavan	Application of Genetic Algorithm in Pavement Maintenance and Rehabilitation Optimization	Proceedings of International Conference on Transportation Planning and Implementation Methodologies for Developing Countries TPMDC-2008	Paper ID 38		Indian Institute of Technology Bombay	December 3-6, 2008
P. Gauthaman, V. Sunitha , and Samson Mathew	Genetic Algorithm Approach for Pavement Maintenance and Rehabilitation	Student Symposium on Research in Civil Engineering	pp. 193 – 194		Department of Civil Engineering at IITM, Chennai	March 05 – 06, 2009
Mohammed Shinas S, Nisha Radhakrisnan, and V. Sunitha	GIS-GPS Based Pavement Management System	National Symposium for Post Graduate Students NSPGS 2010			PSG College of Technology, Coimbatore	April 24 – 25, 2010
Samson Mathew and V. Sunitha	Urban Pavement Maintenance Management Systems (UPMMS)	National Conference on Urban Mobility – Challenges, Solutions and Prospects			IITM, Chennai	July 13 – 14, 2012
D. Latha and V. Sunitha	Experimental Investigation on Viscosity Behaviour of Binders	National Conference on Latest Advancements in Civil Engineering (LACE – 2014)			R.M.K. Engineering College, Kavaraipettai	April 3, 2014
J. Cyril Santhosh and V. Sunitha	Optimization of Maintenance Strategies of Urban Roads in Trichirappalli	Colloquium in Transportation Systems Engineering and	paper ID 243		NIT, Calicut	May 12- 13, 2014

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

	City	Management, CTSEM 2014				
K. Venu Madhav and V. Sunitha	Effect of Flyash and Steel Slag in Sub-base Layer	Colloquium in Transportation Systems Engineering and Management, CTSEM 2014	paper ID 242		NIT, Calicut	May 12- 13, 2014
Lijin Rajeev and V. Sunitha	Application of Jute and Coir Geotextiles in Flexible Pavement	Colloquium in Transportation Systems Engineering and Management, CTSEM 2014	paper ID 239		NIT, Calicut	May 12- 13, 2014
J. Cyril Santhosh and V. Sunitha	Pavement Prediction Modelling for Urban Roads in Trichirappalli City	Annual Conference for Innovations and Developments in Civil Engineering, ACIDIC 2014	819-826		NITK, Surathkal	May 19- 20, 2014
K. Venu Madhav and V. Sunitha	Effect of Flyash and Steel Slag in Sub-base Layer	Annual Conference for Innovations and Developments in Civil Engineering, ACIDIC 2014	70-79		NITK, Surathkal	May 19- 20, 2014
R.T Arjun Siva Rathan, V. Sunitha and Samson Mathew	Experimental Investigation on the Partial Replacement of Fine Aggregate with Waste Granite Fines in Concrete Paving Block	International Conference on Ingenious Technologies and Sustainable Developments in Civil Engineering, ICICE 2014	paper ID EM30		Noorul Islam University, Kumaracoil, Kanyakumari	October 8, 2014
Praveen S B, V Sunitha , Samson Mathew and A. Veeraragavan	Pavement Performance Model for PMGSY Roads in India	2 nd Conference on Transportation Systems Engineering and	paper ID 118		NIT Tiruchirappalli	May 1-2, 2015

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

		Management (CTSEM 2015)				
Karthik. K. R , V. Sunitha and Samson Mathew	Pavement Management System for Urban Roads in Tiruchirappalli City	2 nd Conference on Transportation Systems Engineering and Management (CTSEM 2015)	paper ID 124		NIT Tiruchirappalli	May 1-2, 2015
Syed Sahir and V. Sunitha	Study on Effect of Coir Geotextie as Reinforcement in Pavement Design	2 nd Conference on Transportation Systems Engineering and Management (CTSEM 2015)	paper ID 131		NIT Tiruchirappalli	May 1-2, 2015
Puli Sridhar and V. Sunitha	Experimental Investigation on the Properties of Modified Bitumen Binders	2 nd Conference on Transportation Systems Engineering and Management (CTSEM 2015)	paper ID 133		NIT Tiruchirappalli	May 1-2, 2015
Bhanu Prakash and V. Sunitha	Effect of Copper Slag as a Replacement of Fine Aggregate in Sub-Base Layer	2 nd Conference on Transportation Systems Engineering and Management (CTSEM 2015)	paper ID 134		NIT Tiruchirappalli	May 1-2, 2015
Anil Kumar Badita and V. Sunitha	Evaluation of Performance Enhancers in Subgrade and Base Layers of Flexible Pavement	2 nd Conference on Transportation Systems Engineering and Management (CTSEM 2015)	paper ID 135		NIT Tiruchirappalli	May 1-2, 2015
Chetan R Bhole, V. Sunitha and Samson Mathew	Effect of Coir Geotextile as Reinforcement on the Load Settlement	International Conference on Structural Engineering and	87-94		Srilanka	December 11 – 14, 2015

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

	Characteristics of Weak Subgrade	Construction Management (ICSECM)				
Latha, D., Sunitha, V. , Mathew, S.	Experimental Investigation to Find Transition Temperature of VG-30 Binder	17 th International Conference on Civil Engineering and Applied Mechanics, ICCEAM 2015	3520 - 3524		Dubai, UAE	December 23-24, 2015
Praveen, S B, Sunitha, V. , Samson Mathew and A. Veeraragavan	Pavement Performance Model for PMGSY Roads in India	8 th International Conference on Maintenance and Rehabilitation of Pavements (MAIREPAV8)			Singapore	27 - 29 July 2016
Chetan R Bhole, Sunitha, V. , Samson Mathew and A. Veeraragavan	Field Implementation and Performance of Coir Geotextiles Reinforced Roads	8 th International Conference on Maintenance and Rehabilitation of Pavements (MAIREPAV8)			Singapore	27 - 29 July 2016
Karthik, K R, Rejani V. U., Sunitha, V. , Samson Mathew and A. Veeraragavan	Urban Pavement Maintenance Management System For Tiruchirapalli City	8 th International Conference on Maintenance and Rehabilitation of Pavements (MAIREPAV8)			Singapore	27 - 29 July 2016
Karan Salokhe, P.Sandnya Rani and V. Sunitha	Experimental Investigation on Rheological Properties of Bitumen	3rd Conference on Transportation Systems Engineering and Management (CTSEM 2016)	343-350		BMS College of Engineering, Bangalore	October 24-25, 2016
Rejani V. U., Sunitha, V. and Samson Mathew	Urban Pavement Maintenance Management System for Tiruchirapalli	3rd Conference on Transportation Systems Engineering and	464-472		BMS College of Engineering, Bangalore	October 24-25, 2016

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

	City	Management (CTSEM 2016)				
--	------	----------------------------	--	--	--	--

(C) Books & Monographs

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