

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

Curriculum Vitae



Brief Profile:

Dr. Nisha Radhakrishnan is working as an Assistant Professor in the Department of Civil Engineering at the National Institute of Technology, Tiruchirappalli (one of the top 10 Technical Universities, funded by Government of India).

Dr. Nisha Radhakrishnan has a unique academic background with PhD in Global Positioning System from Department of Civil Engineering, Indian Institute of Technology Bombay and Master Degrees in Remote Sensing from Department of Civil Engineering, Indian Institute of Technology Bombay.

She is presently focusing on the following research areas including application of geospatial technology in urban planning with emphasis to land use land cover assessment, Quantifying the Urban Sprawl, Analysing the relation between Landuse and Travel Demand, Site Suitability Analysis For Urban Residential Development, Application of GIS in Logistics Management, Urban Freight modelling, GIS based Pavement Management System and Land use based Urban planning and Modelling of Water Supply and Sewage Pipeline distribution using Geospatial Techniques. She is closely associated with the Transportation division of the Department of Civil Engineering, NIT Tiruchirappalli

She is carrying out impactful project worth INR 1.3 M in the domain of land use land cover assessment and urban planning. She is one of the Principal investigators of a ITS project worth INR 1.5 M sponsored by Centre of Excellence (CoE) in Urban Transport, Department of Civil Engineering, IIT Madras and Ministry of Urban Development. She is also one among the core members of the MHRD, Govt. of India sponsored “Centre of Excellence in Transportation Engineering (CETransE) at NIT Tiruchirappalli.

She is guiding two PhDs students in the areas of Land use based urban planning and Land use based Transportation Planning. She has guided over 16 PG projects in the mentioned areas over the last 5 years and is currently guiding 6 more students in the above mentioned areas.

Dr. Nisha Radhakrishnan has published her research outputs in leading journals including Journal Geological Society Of India, Journal of Remote sensing & GIS, Geomatics Natural Hazards and oRisk, The Arabian Journal for Science and Engineering, International Journal for Scientific Research & Development and The IUP Journal of Earth Sciences. She has in total 8 international publications and 6 National Publications in the research areas of GPS, Remote sensing and GIS in urban planning, land use assessment and Transportation Engineering. She has presented over 15 publications papers in International and National conferences on geospatial technology.

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She has been serving as a Survey Lab in charge for the last 5 years and has been instrumental in procuring advanced surveying equipments such as GPS, Digital level and Total Stations. During this period, she has also been involved in procuring Remote Sensing images worth INR 0.6 M and latest versions of image processing softwares such as ERDAS and ArcGIS.

She has been a member of Institution of Engineers, India Society of Remote Sensing, Indian Society of Geomatics and Indian Geotechnical Society.

1. Name Dr. Nisha Radhakrishnan
2. Designation: Assistant Professor
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National Institute of Technology
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5. Email (Primary): nisha@nitt.edu Email (Secondary) :
nisha.radhakrishnan@gmail.com
6. Field(s) of Specialization: Remote Sensing, Geographic
Information System, Global Positioning
System, Surveying, Advanced
Surveying, Geodesy

7. Employment Profile

Job Title	Employer	From	To
Assistant Professor	P.A Aziz College of Engineering and Technology, Kerala (Self-financed college)	June 2008	December 2008
Assistant Professor	National Institute of Technology, Tiruchirappalli	January 2009	Till date

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

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D. (Civil)	Indian Institute of Technology Bombay	2003 – 2007	CPI of 9.63 on a 10 point scale	Global Positioning System

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M.Tech. (Remote Sensing)	Indian Institute of Technology Bombay	July 2001 – December 2002	CPI of 9.85 on a 10 point scale	Remote Sensing
B.Tech. (Civil Engineering)	Kerala University	1997 – 2001	84.4 % First class with Distinction (Honours)	Civil Engineering
A.I.S.S.C.E (10+2)	C.B.S.E	1996 - 1997	79.2 % Distinction (Honours)	Science Stream
A.I.S.S.E (Class 10 th)	C.B.S.E	1994 – 1995	78 % Distinction (Honours)	-

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Survey Lab In-charge	Civil Engineering Department	January 2009	Till date
Time Table coordinator	Civil Engineering Department	April 2009	July 2011
Time Table coordinator	Civil Engineering Department	June 2012	June 2013
Department Project Evaluation Committee (DPEC) member	M.Tech. Transportation Engineering & Management/ Civil Engineering Department	2009	Till date
Class committee chairperson for	M.Tech. Structural Engineering (Sem II) 2012 – 2013/ Civil Engineering Department	2012	2013
Project coordinator for Final year B.Tech. Project	Civil Engineering Department	2011	2012
Staff Advisor Pragyan 2012	Institute Level	2011	2012
Staff Advisor Pragyan 2013	Institute Level	2012	2013
Staff Advisor Pragyan 2016	Institute Level	2015	2016
Staff Advisor of Student Club 3 rd Dimensions	Institute Level	2015	2015
Civil Engineering	Civil Engineering Department	2016	2017

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Association Faculty Advisor			
Institute Transport Committee Member	Institute Level	November 2016	To date

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
Doctoral Committee member for Shr. N. Nasir	School of Civil Engineering, SASTRA University	2016 onwards	
Doctoral Committee member for Shr. G. Siva	School of Civil Engineering, SASTRA University	2016 onwards	

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
February 26 – 27, 2011	1st for Paper presentation	Geomatrix'11, IIT Bombay, Mumbai

12. Fellowships

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

13. Details of Academic Work

(i) Curriculum Development

Sl. No.	Course No. & Title	Level (UG/PG)	Year Modified	Changes incorporated
1.	CE205 Surveying I	UG	2009	Shifted Tacheometry from Surveying II to Surveying I
2.	CE206 Surveying II	UG	2009	Total Station, EDM
3.	CE611 GIS and Remote Sensing	PG	2009	New satellite concepts, applications
4.	CE453 Remote Sensing and GIS	UG	2011	New satellite concepts and applications

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5.	CE462 Advanced Surveying Techniques	UG	2011	Newly introduced elective
6.	CE611 Geospatial Techniques	PG	2013, 2016	Modified the CE611 GIS and Remote Sensing and renamed the course as Geospatial Techniques
7.	CEPC14 Surveying	UG	2016	Major Modifications considering Plane Surveying Techniques
8.	Geodetic Surveying	UG	2016	Newly introduced Elective considering Geodetic Technqies
9.	Advanced Surveying & Cartography	PG	2016	Newly introduced Elective
10.	CAD in Transportation Engineering	PG	2016	Modified syllabus considering more software applications in the field of Transportation Engineering
11.	CEPR11 Survey Lab	UG	2016	Introduced Advanced Surveying equipments in Lab

(ii) Courses taught at Postgraduate and Undergraduate levels

(a) Postgraduate level

- a. GIS and Remote Sensing
- b. Geospatial Technqies
- c. CAD Lab in Transportation Engineering

(b) Undergraduate level

- a. Surveying I and II
- b. Surveying
- c. Advanced Surveying Techniques
- d. GIS and Remote Sensing
- e. Basic Civil Engineering
- f. Introduction to Civil Engineering

(iii) Projects guided at Postgraduate level

1. GIS – GPS based Pavement Management System
2. Quantifying the Urban Sprawl in Tiruchirappalli city
3. Estimation of Orgin-Destination Matrix from Link Volume counts
4. A study in variation of Ozone concentration in atmosphere using Ozone Monitoring Instrument data
5. Analysing the relation between Landuse and Travel Demand using 3S Technology
6. GIS based Safe Bus stop location in Trichy city
7. Impact of Built Environment on Pedestrian-Vehicle Collision along Tiruchirappalli city road network

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8. Travel Demand Forecasting for Tiruchirappalli District
9. Speed Detection and Management – An ITS Application
10. Geospatial Based Travel Time and Delay Analysis along Tiruchirappalli Road Network
11. Estimation of Origin – Destination Matrix using BI-Level Programming
12. Site Suitability Analysis For Urban Residential Development For Tiruchirappalli City
13. Accident Analysis Using GIS
14. Speed Management For Urban Roads In Tiruchirappalli Using ITS
15. Urban Sprawl In Tiruchirappalli City Using GIS
16. Modelling of Water Supply and Sewage Pipeline distribution for NIT Trichy using Remote Sensing and GIS Techniques
17. GIS-GPS Based Pavement Management System
18. Residential Modeling for Tiruchirappalli City
19. Speed Management For Urban Roads In Tiruchirappalli Using ITS
20. 3S Technology Based Travel Demand Modeling
21. Pedestrian Accident Analysis
22. Identification of Risk factors for Vulnerable road users and their relation with road infrastructure
23. Study of Para transit system in Tiruchirappalli city
24. Accessibility and site suitability analysis of Healthcare facilities using GIS

(iv) Other contribution(s)

- (a) Involvement in Survey Laboratory development - Involved in procurement of equipment for UG/PG Curriculum.
- (b) Instrumental in procuring advanced surveying equipments such Total station, digital level and GPS for UG/PG curriculum and including them in the curriculum, UG, PG project works.
- (c) Instrumental in purchasing Remote Sensing Software and including it in the practical classes and for UG, PG project works.
- (d) Part of the team instrumental in upgradation/ procurement of software/equipment for the use of UG/PG project works.
- (e) Instrumental in procuring IRS images: Cartosat – 1, 2 and IRS LISS III and Quickbird image of Tiruchirappalli district and including it in CE608 CAD in Transportation Engineering (M.Tech. TEM) and for PG and PhD project works
- (f) Involved in including experimental exercises on GIS software package ArcGIS in CE608 CAD in Transportation Engineering (M.Tech. TEM)
- (g) Involved in including experimental exercises on Remote sensing software packages ERDAS, ENVI in CE608 CAD in Transportation Engineering (M.Tech. TEM).

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Urban Speed	Centre of	29.11.2010	29.11.2012	

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Management using ITS	Excellence in Urban Transport, IIT Madras and Ministry of Urban Development			Completed
Land use and Land cover Assessment along Tiruchirappalli City using High Resolution Remote Sensing Images	Fast Track Research Proposal For Young Scientists, SERB (Department of Science & Technology)	2012	2015	Completed
Centre of Excellence in Transportation Engineering	MHRD, Government of India	May 2013	May 2017	On-going

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award
P Sathees Kumar	Land Use Based Urban Transport Planning using Geospatial Techniques	Supervisor	2016

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
January 24, 2009	All Indian Workshop on "NBC 2005"	National	Participant	National Institute of Technology, Tiruchirappalli	National Institute of Technology, Tiruchirappalli
August 13, 2010	One day workshop on Urban Transport: Challenges	National	Participant	Ministry of Urban Development	Department of Civil Engineering, IIT Madras

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	and Solutions				
April 28 – 29, 2015	Conclave on Academic Reforms (CAR 2015)– Innovation, Practice and Roadmap	National	Participant	National Institute of Technology, Tiruchirappalli	National Institute of Technology, Tiruchirappalli
May 18 – 23, 2009	NRRDA sponsored six-day Training Programme on PMGSY for the AEs of the Rural Development	National	Participant	PMGSY, NRRDA	National Institute of Technology, Tiruchirappalli
June 23 – 25, 2009	NRRDA sponsored three-day Training Programme on PMGSY for the AEEs of the Rural Development	National	Participant	PMGSY, NRRDA	National Institute of Technology, Tiruchirappalli
July 13 – 18, 2009	NRRDA sponsored six-day Training Programme on PMGSY for the AEs of the Rural Development	National	Participant	PMGSY, NRRDA	National Institute of Technology, Tiruchirappalli
September 05 – 09, 2011	One week Staff development programme course on “Construction Materials and Techniques”	National	Participant	National Institute of Teachers Training and Technical Research, Chennai	National Institute of Teachers Training and Technical Research, Chennai
January 09 – 13, 2012	One week Short term course on “Introduction	International	Participant	National Institute of Technology, Tiruchirappalli	National Institute of Technology, Tiruchirappalli,

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	to Forensic Engineering and Failure Analysis”			and the Departmental of Civil and Environmental Engineering, University of North Carolina at Charlotte, USA	
August 19 – 20, 2011	“Global Positioning system and Differential Global Positioning system”	National	Participant	Centre for Advanced Research in Environment, School of Civil Engineering, SASTRA University	SASTRA University
July 17, 2011	First Regional Awareness Conference on “IWWA – Chennai Water Convention 2011	National	Participant	Water Authority	Tiruchirappalli
February 26 - 27, 2011	2nd National Conference on Geospatial Technologies and Applications, Geomatrix'11	National	Paper Presentation	IIT Bombay	IIT Bombay
13 – 16, May 2013	Geospatial World Forum	International	Paper Presentation	Geospatial World Forum	Beurs-World Trade Centre, Rotterdam, Netherlands
April 25 – 26, 2016	ACE 2016	International	Paper Presentation	ACE	Singapore

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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
Transportation Infrastructure Planning – Latest Technologies	National	November 21 – 22, 2013	Co-ordinator	National Institute of Technology, Tiruchirappalli
2 nd Conference on Transportation Systems Engineering and Management (CTSEM 2015)	National	May 1 – 2, 2015	Co-ordinator	National Institute of Technology, Tiruchirappalli
Recent Trends in Transportation Engineering	National	July 11 – 16, 2016	Co-ordinator	National Institute of Technology, Tiruchirappalli
Traffic Simulation Tools	National	December 01 – 03, 2016	Co-ordinator	National Institute of Technology, Tiruchirappalli
Recent trends in Pavement Engineering	National	December 12 - 14, 2016	Co-ordinator	National Institute of Technology, Tiruchirappalli
Binder Rheology	National	December 15 - 17, 2016	Co-ordinator	National Institute of Technology, Tiruchirappalli

18. Invited Talks delivered

Topic	Date	Inviting Organization
Global Positioning System and its application	February 17, 2009	Institution of Engineers (India), Tiruchirappalli Local Centre
Advanced Surveying Techniques	August 24, 2011	Oxford College of Engineering, Tiruchirappalli
Application of GPS in Deformation Monitoring	May 16, 2012	Dept. of Geography, Bharathidasan University, Trichy
Introduction to Surveying	August 8, 2012	Oxford College of Engineering, Tiruchirappalli
Remote Sensing	August 8, 2012	Oxford College of Engineering, Tiruchirappalli
Application of GIS and	12th to 17th April 2013	Department of Civil Engineering,

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Remote Sensing in Urban Planning		Government Engineering College, Barton Hill, Thiruvananthapuram
Advanced Surveying Techniques	11 th July 2015	TRP Engineering College

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life Membership Institution of Engineers	The Institution of Engineers (India)	AM097457 - 1
Life Membership India Society of Remote Sensing ISRS	India Society of Remote Sensing	L3606
Life Membership Indian Society of Geomatics ISG	Indian Society of Geomatics	ISG_L-1269
Life Membership Indian Geotechnical society	Indian Geotechnical Society	

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Netherlands	13.05.2013 to 19.05.2013	Geospatial World Forum
Singapore	24.04.2016 to 28.04.2016	ACE 2016

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
International Journals						
Radhakrishnan, N.	Application of GPS in identifying Active Fault plane in Western	JOURNAL GEOLOGICAL SOCIETY OF INDIA	Vol.77	360-366	2011	

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	Maharashtra Peninsular Shield of India					
Nisha Radhakrishnan, D. Svega	Study in variation of ozone concentration over Indian subcontinent using Ozone Monitoring Instrument data	Journal of Remote sensing & GIS	Volume 2	13-20	2011	
Sathees Kumar, Nisha Radhakrishnan, Samson Mathew	Land Use Land Cover Change Detection And Forecasting For Tiruchirappalli City Using Remote Sensing And GIS	Journal of Remote sensing & GIS	Volume 3, Issue 1	Pages 21-32	2012	
Sathees Kumar, D.Thirumalaivasan, Nisha Radhakrishnan, Samson Mathew	Groundwater Vulnerability Assessment Using SINTACS Model	Geomatics Natural Hazards and Risk	DOI: 10.1080/19475705.2012.732119	1-16	2012	0.977
Sathees Kumar, Nisha Radhakrishnan, Samson Mathew	Land Use Change Modeling Using a Markov Model and Remote Sensing	Geomatics, Natural Hazard and Risk.	DOI: 10.1080/19475705.2013.795502	1-16	2012	0.977
Sathees Kumar, Tirumalaivasan, Nisha Radhakrishnan,	GIS based assessment of Ground Water Vulnerability Using DRASTIC Model",	The Arabian Journal for Science and Engineering	DOI 10.1007/s13369-013-0843-3	Published online	01 November 2013	
Nisha	Analysis of	The Arabian	DOI	39:5555–	2014	

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Radhakrishnan, Satheesh Kumar Eerni, Sathees Kumar P	Urban Sprawl Pattern in Tiruchirappalli City using applications of Remote sensing and GIS technique	Journal for Science and Engineering, Arab J Sci Eng	10.1007/s 13369- 014-1099- 2	5563		
Sivaprakash, Nisha Radhakrishnan,	Trip Generation Analysis In The Devathanam Ward Of Tiruchirappalli City (Tamil Nadu)	<i>IJSRD - International Journal for Scientific Research & Development</i>	<i>Vol. 2, Issue 1</i>	<i>online</i>	<i>2014</i>	
Sathees Kumar, Nisha Radhakrishnan, Samson Mathew	Application of geospatial techniques to land suitability analysis	International Journal of Sustainable Building Technology and Urban Development,	http://dx.doi.org/10.1080/2093761X.2015.1014446	<i>ONLINE</i>	2015	
Nisha Radhakrishnan, Aswathy R, Samson Mathew	Studying Land use - Travel Demand Interaction using 3S Technology for Tiruchirappalli city	Journal of Indian Society of Remote Sensing	DOI 10.1007/s 12524- 016-0616- z	<i>ONLINE</i>		
National Journals						
Radhakrishnan, N., Kulkarni, M. N.,	Monitoring Crustal deformation of Western Maharashtra Peninsular Shield of India using GPS	Journal of the Institution of Engineering (India)	Vol. 91	39 – 42	2011	
Radhakrishnan, N., Patel, P., Kulkarni, M. N., 2010.	Post-seismic effect of Sumatra- Andaman earthquake on	The IUP Journal of Earth Sciences	Vol. 4, No. 3	45 – 55	2010	

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	Western Part of Indian plate					
Parthasarathy, C., Kumaresan, K., Sumbui, C., Kumar, S., Radhakrishnan, N. , Mathew, S	Land use and Land cover Assessment along Tiruchirappalli city using Remote Sensing	The IUP Journal of Earth Sciences,	Vol. 5, No. 1	60 – 68	2011	
Nisha Radhakrishnan, ,	Application of GPS in Structural deformation Monitoring: A Case Study on Koyna Dam	Journal of Geomatics	ONLINE	ONLINE	2014	
Subha Nair, Dr. Nisha Radhakrishnan, Dr. Samson Mathew	Trip Matrix Estimation From Traffic Counts Using Cube	IC-RICE 2013 – PDACEG – Karnataka - India: International Conference on Recent Innovations in Civil Engineering, Gulbarga, Karnataka			2013	

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
International						
Satish Kumar Eerni, VR Sankar Cheela, Nisha Radhakrishnan,	GIS based Traffic Management Techniques for Vizianagaram city	Urban Mobility India			Delhi	December 3 – 5, 2010
Sankar Cheela, Parvathy Nair A, Jaya Krishna A,	A Study on NPS Modelling in River Cauvery	Geospatial World Forum			Hyderabad	18 - 21 January 2011

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Nisha Radhakrishnan	Using GIS					
Sathees kumar, Nisha Radhakrishnan, Samson Mathew	Land Use Change Analysis in Tiruchirappalli City Using Remote sensing and GIS	Geospatial World Forum			Hyderabad	18 - 21 January 2011
Basil Basheerudeen, Samson Mathew, Moses Santhakumar, Nisha Radhakrishnan	Urban Speed Management - A Case Study Of Tiruchirappalli City	Urban mobility			Delhi	December 3 – 6, 2011
Satish Kumar Eerni, Nisha Radhakrishnan, Samson Mathew	Forecasting Urban Sprawl and Traffic Conditions in Tiruchirappalli City	Urban mobility			Delhi	December 3 – 6, 2011
Aswathy R, Sathees Kumar, Nisha Radhakrishnan	Analyzing the Relation between Land Use and Travel Demand Using 3S Technology	<i>Proceedings of Geomatrix'12, INDIA,</i> International Conference on Geospatial Technologies and Applications			IIT Bombay	February 26 – 29, 2012
K. R. Vinodhkumar, Nisha Radhakrishnan, Sathees Kumar	The Impact of Built Environment on Pedestrian Motor Vehicle Collision along Tirichirappalli Urban Road Network	<i>Proceedings of Geomatrix'12, INDIA,</i> International Conference on Geospatial Technologies and Applications			IIT Bombay	February 26 – 29, 2012
Ankit Pachori, Nisha Radhakrishnan, , ,	Geospatial Based Travel Time And Delay Analysis Along Tiruchirappalli	India Geospatial Forum			Hyderabad Internal Convention Centre,	22 -24 January 2013

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	Road Network				Hyderabad	
Sivaprakash G, Nisha Radhakrishnan	Travel Demand Forecasting For Tiruchirappalli District (Tamil Nadu)	India Geospatial Forum			Hyderabad Internal Convention Centre, Hyderabad	22 -24 January 2013
Subha Nair, Sathees Kumar, Nisha Radhakrishnan , Samson Mathew	Origin Destination Matrix using Bilevel Programming	India Geospatial Forum			Hyderabad Internal Convention Centre, Hyderabad	22 -24 January 2013
Arif Ashraf, Nisha Radhakrishnan , Samson Mathew, S. Moses Santhakumar	Speed Detection and Management – ‘ITS’ application	India Geospatial Forum			Hyderabad Internal Convention Centre, Hyderabad	22 -24 January 2013
Nisha Radhakrishnan , K.R.Vinodkumar, Sathees Kumar, Samson Mathew	Impact Assessment Of Built Environment On Pedestrian Accidents	Geospatial World Forum,			Beurs-World Trade Centre, Rotterdam, Netherlands	, 13 – 16, May 2013
Subha Nair, Dr. Nisha Radhakrishnan , Dr. Samson Mathew	Trip Matrix Estimation From Traffic Counts Using Cube	IC-RICE 2013 – PDACEG – Karnataka - India: International Conference on Recent Innovations in Civil Engineering			Gulbarga, Karnataka	October 25 - 27, 2013
Shanmathi Rekha R, Nisha Radhakrishnan and Samson Mathew	Geospatial Analysis Of Accessibility And Mobility For Facilities	GeoSmart India			Noida	March 1-3. 2016
Thenmozhi R,	Evaluation Of	GeoSmart			Noida	March 1-3.

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Nisha Radhakrishnan and Moses Santhakumar	Existing Road Transport Infrastructure In Trichy City Using GIS	India				2016
Ankit Singh Raghuwanshi, Nisha Radhakrishnan,	Study of Para Transit System in Tiruchirappalli	GeoSmart India			Noida	March 1-3. 2016
Thenmozhi R, Nisha Radhakrishnan and Moses Santhakumar	Spatial Distribution of Urban Road Network in Trichy City Using Quick-bird Satellite Image	International Conference ICSETH-2016 on Sustainable Developments in Science Engineering Technologies and Humanities,			PSN Engineering College, Tirunelveli,	10-11, March 2016
Nisha Radhakrishnan, K. R. Vinod Kumar, Samson Mathew	Study of Impact of Built Environment on Pedestrian Accidents using GIS and Statistical Model	4th Annual International Conference on Architecture and Civil Engineering (ACE 2016)			Singapore,	April 25 – 26, 2016
National						
Sathees kumar P, Nisha Radhakrishnan	Remote sensing and GIS in land use planning	11 th ESRI India User Conference 2010			Noida	April 21 – 22, 2010
Mohammed Shinas S, Nisha Radhakrisnan, Sunitha V	GIS-GPS Based Pavement Management System	National Symposium for Post Graduate Students NSPGS 2010			PSG College of Technology, Coimbatore	April 24 – 25, 2010
Nisha Radhakrishnan, Madhav N Kulkarni	Structural Deformation Monitoring of Large Engineering Structures using GPS: A Case study on Koyna Dam, Western	2nd National Conference on Geospatial Technologies and Applications, Geomatrix'11,			IIT Bombay, Mumbai	February 26 - 27, 2011

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	Maharashtra					
S. Moses Santhakumar, Samson Mathew, Nisha Radhakrishnan	Urban Speed Management system using ITS	National Conference on Urban Mobility – Challenges, solutions and prospects			IIT Madras	July 13 – 14, 2012
Sunny Dhruva, Nisha Radhakrishnan	Site Suitability Analysis For Urban Residential Development	Colloquium on Transportatio n Systems Engineering and Management			CTR, CED, NIT Calicut, India	May 12-13, 2014
Thenmozhi, Nisha Radhakrishnan,	Spatial Temporal Analysis Of Urban Expansion And Population Growth In Trichy City Using GIS	National Conference on Technological Innovations for sustainable infrastructures			NIT Calicut	March 13, 2015
Deepthi K, Nisha Radhakrishnan, Samson Mathew, V Sunitha	GIS-GPS Based Pavement Management System For Tiruchirappalli City	National Conference in Transportatio n Systems Engineering and Management			NIT Trichy	May 1 – 2, 2015
Anu B Chand, Nisha Radhakrishnan,	Land Use Based Travel Demand Modelling For Tiruchirappalli City	National Conference in Transportatio n Systems Engineering and Management			NIT Trichy	May 1 – 2, 2015
Navyatha Metta, Nisha Radhakrishnan, Samson Mathew	Commuting Pattern And Residential Location Choice Analysis Of Households In Tiruchirappalli City	National Conference in Transportatio n Systems Engineering and Management			NIT Trichy	May 1 – 2, 2015
Thenmozhi, Nisha Radhakrishnan, Moses	GIS based Quantitative- Spatial Assessment of	National Conference in Transportatio n Systems			NIT Trichy	May 1 – 2, 2015

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Santhakumar	Existing Road Network in Trichy City using Statistical Approaches	Engineering and Management				
Navyatha Metta, Nisha Radhakrishnan , Samson Mathew, 2015	Land use and Transportation – Understanding Linkage between Travel Behaviour and Residential Location	3 rd Conference of the Transportation Research Group of India			Kolkata (India)	17 - 20 December, 2015

(C) Books & Monographs

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