

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



Dr.C.Natarajan

Curriculum Vitae

Dr.C.Natarajan got graduated B.E.in Civil Engineering in 1977 and M.E.in Structural Engineering in 1979 from Annamalai University. He received his Ph.D. degree from IIT Madras in 1984. He is currently Professor in Department of Civil Engineering at NITT. He has served as the Head of the Department of Civil Engineering from December 2005 to January 2009 and the Dean, Planning and Development of NITT from April 2010 to August 2010. He was also the Chairman, Library committee of NITT from October 2011 to May 2014. From November 2005 to February 2008 he has served as the Chairman, Estate and Works committee of the institute and the nodal officer for TEQIP civil works from July 2005 to January 2010.

During his tenure of the headship the research activities of the department was given as thrust by the motivation of the former Director Prof. Chidambaram. M.Tech. in Environmental Engineering was introduced. Many professors from abroad were invited under TEQIP to collaborate research and deliver lectures, seminars, workshops and conferences. During the tenure of the Chairmanship in the library he had introduced the RFID a unique in automation of library system. As the Chairman of Estate and Works committee he reformed the tender procedure in a flawless manner. He modernized the infrastructure facilities of the institute as a TEQIP Nodal officer.

Dr.Natarajan has set up the Structural Engineering laboratory and the structural Dynamics laboratory at NITT. He, as the founder coordinator, drafted the curriculum for M.E. Structural Engineering started as full Time /Part Time at NITT. He served as the member of the board of studies for various institutions. He has experience in structural design, forensic investigation, and construction of buildings, bridges and special structures. He has made numerous structural investigations, including the accident due to the boiler during erection, roof collapse due to corrosion, the collapse of Highway Bridge and collapse of flying formwork. Other investigations involved the stability of High Court

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

building at Kochi, BPCL building, machine shop building for HAPP, Tiruchy, proof checking of the structural design of various buildings like office buildings for ONGC at Chennai, and industrial buildings etc. He has investigated the Condition assessment of high way bridges and buildings and suggested the suitable remedial measures for rehabilitation. Dr.Natarajan has testified in Kochi naval base court and in arbitration on the occasions regarding his Air cargo roof design investigation. He has served as the member of the building committee and governing council members for various other institutions.

With three decades of teaching, research and consultancy experience, he has published /presented several research papers in peer reviewed national and International journals/ conferences proceedings. He has conducted an international workshop on Indo US Forensic practices sponsored by the National Science Foundation USA, American Society of Civil Engineers, USA, CSIR and SERC. He is in collaboration with Dr.Shen En Chen, University of North Carolina University at Charlotte, USA. for the various academics and research activities. The proceedings of the first Indo US Forensic Engineering workshop was published by the ASCE, USA. Dr.Natarajan has conducted several training programmes for industry/ institutions. He is the reviewer for reputed journals in his field.

Dr. Natarajan is recipient of many awards for guiding the best M.Tech. Thesis from ISTE, New Delhi, Best Teacher award from NITT, Karikalan award from the BAI, Tiruchy and Mayan awards for recognizing his services in the construction field.

Dr. Natarajan is very active in professional societies and currently the Chairman of the Indian Concrete Institute, Tiruchy centre and the Treasure of the Indian Society of Public Administration. He is the editorial member of the International Journal of the Forensic Engineering, Indian Journal of the Earth science and Engineering and International journal of Construction Materials. He has authored a book on “Matrix Methods of structural Analysis- theory and problems”. His research interest includes the Forensic Engineering, health monitoring of structures, condition assessment and rehabilitation of structures, recycling of construction and demolition waste.

National Institute of Technology, Tiruchirappalli:

Performa for CV of Faculty/ Staff Members

1. Name Dr.C.Natarajan

2. Designation: Professor

3. Office Address: Department of Civil Engineering

4. Telephone: 2503156

Mobile : 9842453050

5. Email (Primary): nataraj@nitt.edu Email (Sec): lc_nataraj@yahoo.com

6. Field(s) of Specialization: Structural Engineering

7. Employment Profile

Job Title	Employer	From	To
Professor	NIT, Trichy	2005	Till date
Assistant professor	REC, Trichy	1992	2005
Lecturer	REC, Trichy	1983	1992
Senior Research Fellow, CSIR	IIT Madras	1981	1983
Lecturer in Structural Engineering	Annamalai University	1979	1979

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

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	IITMadras	1984	-	Civil Engineering
M.E.	Annamalai University	1979	First class with Distinction	Structural Engineering
B.E.	Annamalai University	1977	First class with Distinction	Civil Engineering
PUC	Madurai University	1972	First class	Mathematics, Physics and Chemistry
SSLC	Secondary School Leaving Board	1972	-	

9. Academic/Administrative Responsibilities within the University

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

Position	Faculty/Department/Centre/Institution	From	To
Dean (Planning and Development)	National Institute of Technology Tiruchirappalli	September 2017	Till Now
		April 2010	August 2010
Head ,Dept. of Civil Engineering	National Institute of Technology Tiruchirappalli	December 2005	January 2009
HOD (i/c) Industry Institute Interaction Cell	National Institute of Technology Tiruchirappalli	October 2002	August 2004
HOD (additional i/c) Training and Placement	National Institute of Technology Tiruchirappalli	November 2002	December 2002
Chairman, Smart Campus	National Institute of Technology Tiruchirappalli	November 2013	Till now
Chairman, Library Committee	National Institute of Technology Tiruchirappalli	October 2011	May 2014
Chairman, Estate and Work Committee	National Institute of Technology Tiruchirappalli	November 2005	February 2008
Nodal Officer (Civil works), TEQIP	National Institute of Technology Tiruchirappalli	July 2005	January 2010
Member , Quality Assurance Committee	National Institute of Technology Tiruchirappalli	July 2005	February 2008
Overall in charge of Estate Maintenance	National Institute of Technology Tiruchirappalli	July 2000	August 2003
Warden	National Institute of Technology Tiruchirappalli	December 1984	June 1989

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
Member	Committee to evaluate the AQIS proposals at AICTE HQ, New Delhi		
Member	IES, IFS examiner (Confidential works) for UPSC, New Delhi	2010 onwards	
Member	Technical Advisory Committee for the selection of sites for erection of communication towers for the District Collector, Tiruvarur district		
Member	Technical Advisory Committee for the		

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

	selection of sites for erection of communication towers for Police Housing Corporation, Trichy		
Member	Building Committee, National Institute of Technology Pondicherry, Karikal		
Member	Building Committee, Bharathidasan University, Tiruchirappalli		
Member	Building Committee, Anna University, Tiruchirappalli		
Member	High level working Committee, Indian Institute of Crop Processing and Technology, Thanjavur. (under Ministry of Food Processing		
Member	Building Committee , Gandhigram Rural Institute, Gandhigram		
Expert member for Civil works	Tiruchirappalli City Corporation		
Member	Building Committee, Bishop Heber College, Tiruchirappalli		
Chairman	Indian Concrete Institute, Trichy Centre		
AICTE nominee	The appointment committee for the selection of Assistant professor, P.S.G.College of Technology, Coimbatore		
Chancellor nominee	The appointment committee for the selection of Faculty, Periyar Maniammai University, Vallam		
Vice-Chancellor nominee	For the appointment Committee for the selection of Registrar and Estate officer, Anna University, Tiruchirappalli		
Subject expert	For the appointment committee for the selection of Assistant professor, Gandhi gram Rural Institute, Gandhi gram		
Subject expert	For the appointment committee for the selection of Assistant professor, National Institute of Technology, Puducherry, Karaikal		
Member	Selection Committee, CSIR-CECRI, Karaikudi		
Subject Expert	For the appointment committee for the selection of Assistant professor, PSNA college of Engineering and Technology, Dindigul		
Member	Academic Council for faculty of Engineering, Cochin University of Science and Technology, Kochi		
Member	Academic Council, Gandhi gram Rural Institute, Gandhi gram		

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

Member	Board of Studies, Gandhigram Rural Institute, Gandhigram		
Member	Board of Studies, Anna University, Chennai		
Member	Board of Studies, National Institute of Technology Pondicherry, Karaikal		
Member	Awards Committee for Periyar Maniammai Polytechnic, Vallam		
Member	Board of Studies, Thiagarajar College of Engineering, Madurai		
Member	Board of Studies, Annamalai University, Chidambaram		
Member	Board of Studies, P.S.G. College of Technology, Coimbatore		
Chairman	Affiliation Committee, Anna University, Chennai		
Member	Governing Council, Chenduran College of Engineering, Thirumayam		
Member	Governing Council, J.R. Polytechnic College, Tiruchirappalli		
Member	Governing Council, Vandayar College of Engineering, Tanjore		
Member	Estimate committee, NIT Puducherry, Karaikal		
Member	Purchase Committee, NIT, Tiruchirappalli		
Member	Editorial Board of "International Journal of Earth Sciences and Engineering" (ISSN 0974 - 5904), India.		
Member	Editorial Board of "International Journal of Forensic Engineering" (ISSN 1744 -9952), Inderscience Publishers, England.		
Reviewer	ASCE Journal of Performance for Constructed Facilities, ASCE, USA.		
Member	Editorial Board of "International Journal of Construction materials and Structures" (ISSN : 2321-2233), IIT Roorkee		

11. Awards, Associate ships etc.

Year of Award	Name of the Award	Awarding Organization
October 2016	Karikalan Award 2016	Builders' Association of India, Tiruchirappalli center
January 2015	Mayan Awards 2014	
September 2015	ICI- UltraTech Endowment Award – 2015	ICI, Pondicherry center
September 2014	ICI- UltraTech Endowment Award – 2014	ICI, Pondicherry center
2009	Best M.Tech thesis (I Prize) in	Indian Society of Technical

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

	Civil Engineering	Education, New Delhi
July 2008	Letter of Appreciation by the Mayor for the effort in rectifying the defects in the Collector wells, Tiruchirappalli	Tiruchirappalli City Corporation
2008	Best M.Tech thesis (II Prize) in Civil Engineering	Indian Society of Technical Education, New Delhi
2007	Best M.Tech thesis (I Prize) in Civil Engineering	Indian Society of Technical Education, New Delhi
2006-2007	Best Teacher	NIT Tiruchirappalli
2006	Best M.Tech thesis (I Prize) in Civil Engineering	Indian Society of Technical Education, New Delhi
2006	Best M.Tech thesis (II Prize) in Civil Engineering	Indian Society of Technical Education, New Delhi
2006	Commendation Certificate award in recognition of the paper titled “Corrosion Evaluation of pre-stressing steel in pre-stressed concrete cantilever segmental block”	The Council of the Indian Roads Congress
1990-91	Certificate Achievement awarded for having guided the Best B.E. project work in Civil Engineering	The Department of Technical Education Madras
1988-89	Certificate Achievement awarded for having guided the Best B.E. project work in Civil Engineering	The Department of Technical Education Madras

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
1995	Partial financial assistance for conducting the National symposium on Tall structures	Tamil Nadu State council for Science and Technology	2,February,1995	3,February 1995
1995	Partial financial assistance for conducting the National symposium on Tall structures	Ministry of Science and Techology, Govt. of India	2,February,1995	3,February,1995
1997	ISTE winter school on ‘Recent Departments in Analysis, Design and Detailing in industrial Structures	Indian Society of Technical Education New Delhi	1,December 1997	13, December 1997

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

2014	International Grant Scheme	Travel	SERB, New Delhi	8, June 2014	13, June 2014
------	----------------------------	--------	-----------------	--------------	---------------

13. Details of Academic Work

(i) Curriculum Development :

- M.Tech Structural Engineering
- A course on Forensic Engineering

(ii) Courses taught at Postgraduate and Undergraduate levels

Under Graduate level:

- Structural Analysis
- Design of Concrete Structures

Post Graduate level:

- Matrix methods of Structural Analysis
- Forensic Engineering and Rehabilitation of Structures

(iii) Projects guided at Postgraduate level :

S.No.	Name of the student	Project title	Year
M S (By Research)			
1	M.Lokeswaran	Effect of replacement of river sand by manufactured sand on the properties of concrete	August 2016
M.Tech			
1	Baba Fakruddin.K. C	Flexural Failure of Hair Fiber Concrete Beam	June 2016
2	Ramachandrudu. K	Flexural Behaviour of Papercrete Concrete	June 2016
3	Ganesh.N	Experimental Investigation of the Flexural Behaviour of Glass Fiber Reinforced Concrete Beam	June 2016
4	Thejasvi. M	Comparative studies on Portland Cement and Geopolymer concrete	June 2016
5	Selvakumar.B	Utilization of waste tyre crump rubber as partial replacement for fine aggregate in Geo polymer concrete	June 2015
6	Ramasai. E	Impact response of rubberized concrete paver block	June 2015
7	Satyanarayana.P	Performance assessment of functionally graded beam with Fly ash	June 2015
8	Hemanth yadav	Experimental Investigation of RCC beams having web openings strengthened with CFRP	June 2015
9	George M. Varghese	Performance of Geopolymer Based Solid Interlocking masonry	June 2014
10	Devandra	Shear Performance of R.C.Beam with CFRP	June 2014
11	P Laveendra Babu	Behavior of Two way Reinforced concrete slab of Concrete at Elevated Temperature	June 2014
12	Venkateshwarlu	Performance assessment of R.C. beam with	June 2014

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

		CFRp and GFRP sheets	
13	Manipraj	Numerical studies on the behaviour of Interlocking walls	June 2014
14	D.Manohar	Strength and Durability Study on Fiber Reinforced Concrete with partial replacement of Palm oil	June 2013
15	C.Sangluaia	Behavior of Reinforced concrete slab subjected Experimental Study on Strength Variation of Concrete at Elevated Temperature	June 2013
16	Madan Kumar	Strengthening of Columns by using Carbon Fibre Reinforced Polymers	June 2013
17	J.Sivaraj	Retrofitting of RC slender column with glass Fiber Reinforced Polymer	June 2013
18	Remya Retnan	Vulnerability of Reinforced Concrete Structures subjected to Flood	June 2012
19	T.Sakthivel	Experimental Study on Strength Variation of Concrete at Elevated Temperature	June 2012
20	Madan Kumar	Strengthening of Columns by using Carbon Fibre Reinforced Polymers	June 2012
21	J.Sivaraj	Retrofitting of RC slender column with glass Fiber Reinforced Polymer	June 2012
22	P. Sumathi	Non Linear Static Analysis damaged RC beams	June 2011
23	K. Senthilkumar	Non Linear Dynamic Analysis Bubble beams	June 2011
24	S.S Lekshmi	Study on Role of Asymmetry in Pushover Analysis	June 2010
25	V.J. Varun	Mathematical Modelling of Size Effect on Shear Strength of RC Beam	June 2010
26	R. Sarenga Nathan	Flexural Strength of RC Beams With CFRP Fabric	June 2010
27	Sankuju Manohar	Utilisation of High Volume of Cement Kiln Dust in Concrete Industry	June 2010
28	Ratna Divya yasoda	Damage Assessment with Consideration of Uncertainties	June 2009
29	M. Palaniappan	Standardization of Heat Recovery Steam Generator Structure	June 2009
30	Srikanth Sadineni	The Effect of Differential Settlement on a large Steel- Framed Boiler Supporting Structure	June 2009
31	S. Govindaraju	Sterlite Copper as a Partial Replacement of Fine Aggregate in Concrete	June 2008
32	P. Arunkumar	Strengthening of RC Beams Using Glass Fiber Wrappings	June 2008
33	S. Sivakumar	Nonlinear Dynamic Effects of Cracked Composites	June 2008
34	B. Venkateswarlu	Analysis of CFBC Boiler Supporting Structure by Response Spectrum Method	June 2007

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

35	P. Seetha lakshmi	Soil-Structure Interaction of Laterally loaded Piles on Sloping Ground	June 2007
36	Kalaivani	3D Fracture Effects on Modeling RC Beams	June 2007
37	M. Revathy	Stiffness Matrix of Damaged Beams in the Nonlinear range of behaviour	June 2007
38	P. Dinesh	Derivation of stiffness matrix for a damaged beam element	July 2006
39	J. Jothimani	Size and modeling effects in fracture of RC beam	July 2006
40	S. Leela	Non-linear static analysis of base isolated multistoried buildings	July 2006
41	U. Nisha	Non-linear seismic analysis of multi degree of freedom systems	July 2006
42	B. Raghava kumar	System identification through dynamic parameters	July 2006
43	S. Vidya	Design optimization of microwave towers using genetic algorithms	July 2005
44	J. Shanthi	Size effects in fracture of concrete beam models	July 2005
45	V. Narmadha	Seismic analysis of water tank subjected to various zones	July 2005
46	S. Sakthivel	Model parameters and size effects in cracked concrete	July 2005
47	R. Anbumanidevan	Strength and durability studies of RHA cement concrete	July 2005
48	N. Meena	Effect of partial slip theory in steel – concrete composite structures	July 2005
49	T. Srividya	Corrosion Effects on High Performance Concrete	June 2004
50	S. Jeya	Durability studies on fly ash concrete for RCC structures	June 2004
51	S. Nithya	Characteristics of ceramicrete	June 2004
52	S. Eswari	Analytical simulation of size effects in concrete beams	June 2004
53	S. Shifana Fatima	Vibration control of buildings using tuned mass damper	June 2004
54	M. Rajeswari	High volume utilization of lignite fly ash in concrete	June 2004
55	S. Selvamani	Damage assessment of SBR-Latex modified concrete rectangular beams	June 2004
56	S. Senthilkumar	Evaluation of repair materials for structural and non-structural applications	Jan 2003
57	K. Manikandan	Efficient algorithms for matrix computations in structural dynamics	Jan 2003
58	M.V. Arjun	Dynamic characterization of a typical low speed subsonic aircraft wing and empennage using a Timoshenko beam model	Jan 2003
59	C.R. Vishnuram	Pressure measurement study on a tall square	Jan 2003

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

		building model	
60	K. Almas Begum	Corrosion and protection in prestressing steel under loaded condition	Jan 2003
61	S. Vijayakala	Computational simulation of mode – I stress intensity factor and life cycle estimation of semi – elliptical surface crack	Jan 2003
62	L. Hemamathi	Optimal design of prestressed concrete bridge girders using Genetic Algorithms	Jan 2002
63	V.T. Badri Narayanan	Design for internal smartness in structures	Jan 2002
64	K. Sivasubramanian	The object oriented design for continuous beams and portal frames	Jan 2002
65	R. Karthikeyan	Performance level criteria and evaluation of structures subjected to seismic excitation	Jan 2002
66	R. Gopalakrishnan	Behavior of circular Reinforced concrete columns with welded wire fabric	Jan 2002
67	G. Maheswaran	Studies on cathodic protection concrete	Jan 2002
68	K. Nallasivam	Analysis and design of cement concrete pavement – using ANSYS	Jan 2001
69	G. Beulah Gnana Ananthi	Damage detection in structure based on neural network approach	Jan 2001
70	A. Murugesan	Memory mapping for artificial neural networks application in Truss system	Jan 2001
72	K. Ramakrishnan	Stiffness evaluation for damaged structure	Jan 2000
73	K. Mayilsamy	Retrofitting measures for some of the commonly encountered buildings and Structures in cyclone prone regions	Jan 1999
74	R. Indumathi	Analysis and design of shallow water berth	Jan 1999
75	V. Sujithira	Investigating the strength of existing RCC Slab Bridges	Jan 1999
76	R. Ilangovan	Vulnerability analysis of buildings and Structures in cyclone prone areas - an analytical model	Jan 1999
77	P. Natarajan	Impact of information technology in the construction industry and application of expert system in structural Engineering	Jan 1999
78	M. Manimaran	Cost comparative analysis of partially mechanized with manually constructed multistoried projects	Jan 1999
79	D. Daniel Thangaraj	The behavior of footing with interaction of soil – Finite element method approach	Jan 1999
80	K. Chellakumar	Fuzzy information processing for rehabilitation of R.C.C. members	Jan 1999
81	K. Manoharan	Experimental investigation on the use of super plasticiser in cement mortar using 43 grade cement	Jan 1999
82	K. Jayaraman	A critical study on cement mortar using 53 grade cement	Jan 1999
83	T. Nagavelu	An experimental investigation on	Jan 1999

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

		rehabilitation of concrete member by using adhesive bonded plate	
84	G. Elangovan	Knowledge Based Design of three dimensional frames	Jan 1998
85	DM. Pukazendhi	'Seismic isolation for framed structures	Jan 1998
86	N. Sivakumar	Damage assessment and rehabilitation of RCC beams	Jan 1998
87	R. Rajasekaran	Knowledge based design of structural system	Jan 1998
88	Kannan	Earthquake resistant design of water tanks	Jan 1998
89	D. Rajkumar	Object oriented programming for design of structural steel elements – an evolutionary approach	December 1995
90	B. Kameshwari	Instability Analysis of Multistory steel frames	December 1995
91	V. Rajamohan	Construction techniques of the tunnels in Thanjavur port	December 1995
92	R. Subramanian	Structural adequacy of the tunnels in Thanjavur port	December 1995
93	S. Ravindra Bharathi	Object oriented programming application in the integrated design of RCC beams	December 1995
94	Ramanathan	An experimental study on strength and behavior of cement – Flyash blocks and masonry prisms	December 1995
95	G. Perunambi	An experimental investigation of prestressed box girder under combined bending and torsion	December 1995
96	K. Kanagarajpeter	An experimental investigation on the effect of central openings in rectangular reinforced concrete slabs	December 1995
97	M. Raja	An experimental investigation on the behavior of reinforced concrete beam strengthened by welded steel rods and epoxy bonded steel plates at the ultimate stage	December 1994
98	Renganathan	Static and dynamic analysis and design of reinforced concrete tall chimneys	December 1994
99	S. Elavenil	Finite element analysis for stresses in deep beams	December 1994
100	P. Ravichandran	An experimental investigation on the behavior of RCC, L – shaped slabs	December 1994
101	D. Santhi	Object oriented programming design of RCC beam	December 1994
102	R. Shanthi	Stone dust cement block masonry with super plasticizer	June 1994
103	K. Sasikala	Thermal stress analysis of the plates using finite element method	June 1994
104	R. Annathurai	Finite Element analysis of Railway bogie frames	June 1994
105	S. Vasumathi	Lateral buckling of continuous beams	June 1994

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

106	N. Ponnambalam	Application of steel fiber reinforced concrete in rigid pavement	June 1994
107	P. Senthilkumar	An Experimental investigation on the behavior of RCC. T – beams with web opening	June 1994
108	G. Dhanalakshmi	Structural adequacy of the Brihadisvarar Temple, Thanjavur	June 1994
109	R. Malika	Construction techniques of the Brihadisvarar Temple, Thanjavur	June 1994
110	M. Kalaiyarasi	Wind effects on buildings	June 1994
111	M.R.M. Mohamed Kaleel Rahman	Design of RCC structures using object oriented programming	June 1994
112	V. Rajendran	Optimisation of concrete mix proportioning	June 1994
113	S. David	Knowledge based expert system for the design of RCC cylindrical silos	December 1993
114	V. Ravikumar	Fiber reinforced concrete as a paving material	December 1993
115	G. Vivekananthan	A study on flexural behavior of reinforcing steels	May 1992
116	S Kanthimathinathan	A Study on codal provisions for the design of steel stacks	May 1992
117	P. Senthil	An experimental investigation on reinforced Aerocrete beams subjected to flexure and shear	December 1990
118	B. Madhivanan	A comparative study of concrete mix design methods	December 1990
119	R. Ganesan	Comparative studies on reinforced cement concrete slabs and reinforced concrete slab	December 1989
120	I. Kanagaraj	Causes of concrete deterioration and repairs to concrete structures	December 1989
121	S. Sangappillai	Optimization of water tanks	December 1989
122	S. Premanand	Optimal design of structural elements	December 1989
123	V. Ramachandran	Non linear programming models for minimum cost design of RCC slab	December 1989
124	K. Jeyavelu	Computer aided analysis of grid frames	December 1989
125	A.N. Asokan	An experimental investigation of fiber reinforced concrete beams under pure torsion	December 1989
126	S. Sivakumar	Computer aided design of machine foundations	December 1989
127	L. Saikala	Analysis of folded plates	December 1989
128	Rajalingam	Static and dynamic analysis and design of tall steel chimneys	December 1989
129	Jeyakumar	Study on Polymer concrete	December 1988

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

130	V. Kailasam	Wind effects on structures	December 1988
131	Sengottuvel	Computer Aided design of substructures	December 1988
132	M. Kanakasabesan	An experimental investigation of the behavior of fiber reinforced concrete beams in flexure	December 1988
134	P. Rajendran	An experimental investigation of the behavior of fiber reinforced concrete beams in shear	December 1988

(iv) Other contribution(s)

- Developed the Structural Engineering laboratory,
- NDT and Structural Dynamics laboratory

14. a) Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Polymer Fibre Reinforced concrete beam subjected to bending and torsion	DST, GOI	1990	1993	Completed
A novel hybrid energy system for supplying isolated loads with FPGA based energyn, management scheme (structural part)	Centre for Wind Energy Technology (C-WET) 657A/1A2, Velachery Tambaram Main Road, Pallikaranai, Chennai – 600 100, INDIA	2014		On going

b) Consultancy projects:

a) **Involved in the structural design of many structures in N.I.T. Trichy and some important structures are:**

Type of work	Agency
Computer Center Octagon	NIT-T
TREC STEP	NIT-T
Opal Hostel	NIT-T
Gymnasium	NIT-T
Swimming Pool	NIT-T
Department of Architecture	NIT-T
Department of Manufacturing/Production Engineering	NIT-T

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

Library Extension (old)	NIT-T
Energy Centre	NIT-T
Boys Hostel	NIT-T
Department of Architecture	NIT-T

b) Outside NIT

Type of work	Agency
Condition assessment of the failure of Thermal plant at Sholapur	NTPC, Sholapur
Third party inspection for the Sewage Treatment Plants of 125MLD and 47.5MLD	Madurai Corporation, Madurai
Proof checking of structural design of the ONGC residential and office building at Anna Nagar (W), Chennai	ONGC
One man committee consisting of Dr.C.Natarajan, Professor of Civil Engineering, NIT, Tiruchirappalli to investigate the cause, the extent of damage to the 12m deck slab under construction and Vehicular underpass at Tholatur by National Highway Authority of India, New Delhi.	National Highway Authority of India, New Delhi
Third party inspection for the construction of the institutional buildings	Indian Institute of Crop Processing and Technology, Tanjore (under Ministry of Food Processing)
Third party inspection for the Sewage Treatment Plants of 13MLD, 6MLD, 35MLD and 44MLD	Salem Corporation, salem
Proof checking of structural design of the buildings of Common Facility Centre (CFC)	Tiruchirappalli Engineering and Technology Cluster, Siruganoor, Tiruchy.
Proof checking of structural design of the Administrative building	BHEL, Thirumayam
Structural design of Library buildings	Central University, Thiruvapur
Structural design of workshops, academic and hostel buildings	Anna University, Tiruchy
Structural design of Funnel type elevated water storage tank capacity 3 lakhs liters at Kavery Nagar, Trichy	Tiruchi City Corporation
Structural design of Hostel, departments and controller of examinations office building	Bharathidasan university, Tiruchy
Structural design of Central Bus	Trichy City Corporation, Trichy

National Institute of Technology, Tiruchirappalli:

Performa for CV of Faculty/ Staff Members

Stand	
Structural design of Terminal Buildings	Airport Authorities of India, Trichy
Structural design of Pre-treatment units (STP)	U.G.S.S, Thanjavur
Planning and structural design of modern kitchen, additional classrooms etc	Tamil Nadu Catering Institute, Thuvadkudi, Tiruchirappalli
Structural Design of the 5 meter pressure pipe plant at Mayanoor	Tamil Nadu Cemnt Asbestos Pipes, Mayanoor
Structural Design of a grid floor for the conference hall	Tamil University, Thanjavur
Devar Hall Building, Tiruchirappalli	Tiruchi City Corporation
Machine Foundation Design	I.O.C.L., Tiruchirappalli
Staff Training Centre	TWAD Board at Tiruchirappalli
Staff Training Centre	T.N.E.B. at Tiruchirappalli
Structural design of Two Tier Water Tank	TWAD Board at Trichy
Foot Bridge for Needamangalam Panchayat, Alangudi Temple etc	C.P.W.D, Tiruchy
Design of Communication Network Towers	Thiruvarur collectorate
Design of Communication Network Towers	Commissioner of Police, Tiruchi
Structural design of water tanks, sumps for Thuriyaur CWSS scheme	
Structural design of water tanks	Thuvakudy Municipality
Structural design of water tanks	pattukkotai Municipality
Structural design of water tanks, sumps for Andimadam CWSS scheme	TWAD Board , Trichy
Structural design of pipe carrying bridges for Vedanayanan CWSS scheme	TWAD Board , Tanjore
Structural design of Electric Crematorium	Trichy City Corporation
Structural design of Bridge	Trichy City Corporation
Proof checking of design calculations for Substation Building	Bhilai Steel Plant
Proof checking of design calculations for 45m Height Tower at Kumbakonam for VHF Installation	TWAD Board
Rehabilitation of the Water Tanks	
Structural design for the Proposed Bus Stand	Musiri Municipality

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

Rehabilitation of the Ariyalur Cements and Alangualm Cements Plants	Ariyalur Cements and Alangualm Cements Plants
Rehabilitation of the Water Tanks	TWAD Board, Karue
Renovation of St.Joseph's Church, Tiruchirappalli	St.Joseph's Church, Tiruchirappalli
Rehabilitation of Chemistry building at St.Joseph's College, Tiruchirappalli	St.Joseph's College, Tiruchirappalli
Renovation of Pump House	Trichy City Corporation
Rehabilitation of the Water Tanks	TWAD Board, Tiruchy
Rehabilitation of the Housing Complex for Slum Clearance Board, Trichy, Erode & Madurai.	Slum Clearance Board
Rehabilitation of the AdiDravidar Hostel Building at Trichy & Thiruvarur District	
Rehabilitation of the BHEL Staff Quarters Building at Trichy	BHEL
Rehabilitation of the Collector well and pipe carrying bridge	Tiruchy City Corporation
Design of two tier water tank of capacity of 20 lakhs liters for TWAD board which caters to the need of the people in and around Thuvakudimalai	TWAD Board, Tiruchy
Design of community hall buildings for police housing corporation	Police Housing Corporation, Tiruchy
Structural Design of Multi-storey Buildings for	<ol style="list-style-type: none"> 1. Dheeran Chinnamalai Corporation, Tiruchirappalli. 2. Jeeva Transport Corporation, Erode. 3. Annai Sathya Taransport Corporation, Dharmapuri. 4. Periyar Transport Corporation, Villupuram.
Technical Advices for development of Trichy City Corporation	
Planning and design of electrical crematorium , Trichy which will	These structures were constructed using MPs' / MLAs' fund for the development of

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

eliminate the pollution problems	Trichy City Corporation.
Design of two lane bridge at Srirangam and Trichy for Trichy City corporation	
Structural design of bus shelter at Mainguard gate bus stand which will be more useful for the passengers during rainy season	
Underground drainage system for Trichy City Corporation.	
Design of foot bridge at Alangudi Temple	These structures were constructed using MPs' / MLAs' fund for the rural development
Design for foot bridge across Vennar near Needamangalam	
Technical advice to various corporation for rural people	
<ul style="list-style-type: none">• Slum clearance board buildings for construction as well as rehabilitation.• Police housing corporation for construction of police quarters, Forensic laboratory, I.G. office etc.,• TWAD Board water tanks for repair and renovation at various parts of Tamil Nadu	
Technical advice for communication towers for rural development	
<ul style="list-style-type: none">• Selection of sites for erection of communication towers for the District Collector, Tiruvarur district• Selection of sites for erection of communication towers for Police Housing Corporation, Trichy	
Technical Committee member for religious activities	
<ul style="list-style-type: none">• Honorary Member for renovation of 100 years old St. Joseph's College Church at Tiruchirappalli• Renovation of Temples for Thanjavur, Tiruchi and Tiruvarur districts	

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award
Ms.G.Dhanalakshmi	Analytical simulation of size effects in concrete beams	Supervisor	April 2008
Mr. Senthamilkumar	Evaluation of Liquefaction of potential of coromandal coastal sand	Supervisor	June 2009

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

Ms. S. Shifana Fatima	Vibration control of buildings using tuned mass damper	Supervisor	July 2009
Mr.I.Murugan	Analytical and Experimental Studies on some aspects of Traditional Construction	Supervisor	January 2010
Mr. Murugan M	Performance study of retrofitted pile under static and dynamic loading	Supervisor	February 2014
Mr. Sudhakar	Experimental investigations on seawater based Geopolymer hydraform block masonry	Supervisor	March 2015
Mr.M.K. Haridharan	Condition assessment of reinforced concrete slab subjected to elevated temperature fire	Supervisor	November 2016
Mr.R. Bharathi Murugan	Investigation of waste tyre crumb rubber as partial replacement for fine aggregate in cement and Geopolymer concrete paving blocks	Supervisor	Thesis submitted
Mr. Joseph Fernando	Portuguse Churches of Tamilnadu	Supervisor	On-going
Mr. K. Sakthimurugan	Characteristics analysis of M-sand	Supervisor	On-going
Mr.K.Manikantan	Condition assessment of industry buildings	Supervisor	On-going
Mr.P.Natarajan	Condition assessment of Highway roads	Supervisor	On-going
Mrs.T.Barkavi	Damage analysis of concrete structures	Supervisor	Thesis Submitted
Ms.Shamili S.R.	Waste materials for construction	Supervisor	On-going
Mr.P.Chandru	Sustainable Self Curing Self-Compacting Concrete	Supervisor	On-going

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

Sl. No.	Title	Organization / Place	Duration
1	The International Conference on advances in Civil Engineering Materials and Process	Coimbatore Institute of Technology, Coimbatore	January 7 th - 9 th , 2015
2	33rd International Conference on Ocean, Offshore and Arctic	ASME, San Francisco, CA, USA	June 8 th -13 th , 2014

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

	Engineering (OMAE14)		
3	6 th Congress on Forensic Engineering	ASCE, San Francisco	31 st October –3 rd November, 2012
4	Innovation Management & Technology Valorization Sponsored by DST, New Delhi	Administrative Staff College of India, Hyderabad	December 12 th - 23 rd , 2011
5	Emerging Technologies for Design, Construction, rehabilitation and inspections of transportation infrastructures	Changsha University of science & technology, China	June 9 th -11 th , 2011
6	Forensic Engineering	ASCE, Washington, D.C.	November 11 th -14 th , 2009
7	National Risk Mitigation Project	National Disaster Management Authority, New Delhi	May 20 th 2009
8	TEQIP workshop on the Seven Habits of highly effective people.	Munnar, Kerala	October 2 nd - 4 th , 2008.
9	TEQIP workshop on Procurement, Academic issues and Civil works – NITS	NPIU, Noida, UP	May 8 th & 9 th , 2008
10	“Structural Non-Destructive Testing Analysis and Structural Retrofitting”	University of North Carolina at Charlotte, USA	March 1 st - 31 st , 2007
11	TEQIP workshop for Civil works – NITS	NPIU, Noida, UP	2 nd February 2006
13	Advances in concrete composites and structures	Structural Engineering Research Centre, CSIR Campus, Chennai	January 6 th – 8 th , 2005
14	Corrosion protection of pre-stressing steel in Pre-stressed concrete cantilever segmental block	FIB Symposium - 2004, by Institution of Engineers (India), New Delhi	November 26 th -29 th 2004
15	Design of Steel structures I and II	NPTEL Workshop, IIT Madras, Chennai	November 28 th , 2004
16	Inter-Departmental Conference	CPWD, Chennai	September 26 th , 2003
17	Industry Institute Interactive Meet	Vellore Institute of Technology, Vellore	January 11 th , 2003
18	Intellectual Property Rights - Present Necessities and Responsibilities	Bharathidasan University, Trichy	December 9 th , 2002

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

19	Design and Construction of Structures	IIT Roorkee and Drought Monitoring Cell, Bangalore	August 6 th -10 th , 2002
20	Testing and Evaluation of Concrete developments	Instruct, Bangalore	May 19 th -20 th , 2000
21	Efficient and Reliability analysis on Finite Element Analysis on Structures and Components	Structural Engineering Research Centre, Chennai	January 19 th -20 th , 1998
22	Trends in Structural Engineering towards the 21st Century	Indian Institute of Technology Madras, Chennai	February 12 th -14 th , 1997
23	ISTE Annual convention	Indian Society for Technical Education, India	December 17 th - 23 rd , 1997
24	Computer Aided Design and Expert System in Structural Engineering	Structural Engineering Research Centre, Chennai	January 9 th -11 th , 1996
25	Stability of Structures	PSG College of Technology, Coimbatore	June 7 th - 9 th , 1995
26	Valuation VI	Institution of Valuers, Trichy.	June 3 rd -4 th , 1995
27	Computational Methods for Engineering Analysis & Design	Indian Institute of Technology Madras, Chennai	August 2 nd -11 th , 1993
28	Knowledge Based Expert System in Civil Engineering	PSG College of Technology, Coimbatore	June 6 th – 19 th , 1993
29*	Civilization through Civil Engineering	IABSE, New Delhi.	March 1 st -6 th , 1992
30	US - Binational Workshop on Advances in Construction Materials, Techniques and Management	Indian Institute of Technology Madras, Chennai	December 10 th -14 th , 1990
31	Analysis and Design of Transmission Line Towers	Structural Engineering Research Centre, Chennai	September 10 th -14 th , 1990
32	International Conference on Steel Structures and Space Frames	Singapore	February 15 th -16 th , 1990.
33	Innovative Applications of Shells and Spatial Frames	IASS, Bangalore.	November 21 st - 25 th , 1983
34	Advanced Study Institute of Finite Element Analysis for Engineering Design	Indian Institute of Technology Madras, Chennai	August 1 st – 10 th , 1988
35	ISFRC 87 – International	Structural., Engineering	December 16 th -19 th

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

	Symposium on Fibre Reinforced Concrete	Research Centre, Chennai	1987
36	Chemicals in Concrete Repair Materials	Indian Concrete Institute, Bangalore	October 26 th – 28 th , 1987
37	Finite Elements in Computational Mechanics	Indian Institute of Technology Bombay, Mumbai.	December 2 nd - 6 th 1985
38	Passenger Transportation in Medium Cities - Planning and Management	Regional Engineering College Tiruchirappalli, Tiruchy.	May 23 rd , 1985
39	Computer Aided Design on Civil Engineering	University of Roorkee, Roorkee	January 29 th - February 2 nd , 1985
40	Projects and Construction Management	National Institute of Construction Management and Applied Research at Tiruchirappalli.	January 17 th – 19 th , 1985
41	Microprocessors	Indian Institute of Technology Madras, Chennai	December 3 rd , 1984 to Janus 4 th , 1985
42	Project Planning and Construction Management	Indian Institute of Technology, Kharagpur.	May 2 nd - 15 th , 1984
43	Roofs and Floors	PSG College of Technology. Coimbatore.	March 10 th , 1984

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
Forensic Engineering practices for Kerala PWD Engineers	National	17-19, December, 2014	Co-ordinator	Kerala State Highway Research Institute, Trivandrum,
TEQIP sponsored international workshop on Health Monitoring of Civil Engineering Structures,	International	4-5, November 2014	Co-ordinator	NIT, Tiruchirappalli
TEQIP sponsored	Local	6-7,	Co-	NIT,

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

international workshop on Structural Life assessment and Failure Diagnosis		December 2013	ordinator	Tiruchirappalli
TEQIP sponsored Forensic Engineering and practices	Local	14-18, December 2012	Co-ordinator	NIT, Tiruchirappalli
Prefabrication theory and practices sponsored by the construction industry	Local	3 – 24, May 2012	Co-ordinator	NIT, Tiruchirappalli
Introduction to Forensic Engineering and Analysis	Local	January 9-13, 2012	Co-ordinator	NIT, Tiruchirappalli
Structural Health Monitoring systems	Local	January 10, 2012	Co-ordinator	NIT, Tiruchirappalli
Course on Forensic Engineering in Valuation, sponsored by the Institution of valuers	Local	April 7, 2011	Co-ordinator	NIT, Tiruchirappalli
Course on Steel construction sponsored by the local industries	Local	September 13, 2011	Co-ordinator	NIT, Tiruchirappalli
Course of “Forensic Engg.-II, sponsored by Builders Association of India	Local	January 7-11, 2010	Co-ordinator	NIT, Tiruchirappalli
Vibration measurement on bridges	Local	January 1-5, 2010	Co-ordinator	NIT, Tiruchirappalli
Forensic Investigation and failure analysis	Local	December 5-9, 2010	Co-ordinator	NIT, Tiruchirappalli
Indo-US workshop on” Forensic Engineering” organized by NIT Tiruchy and The University of North Carolina at Charlotte sponsored by NSF USA and ASCE..	International	15 – 17 , December 2010	Co Coordinator	NIT, Tiruchirappalli
Sustainability in Infra-structural Construction	Local	26-30, December 2009	Co-ordinator	NIT, Tiruchirappalli
Forensic Engg.-I:	Local	20-24,	Co-	NIT,

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

Introduction, Sponsored by TEQIP		December 2007	ordinator	Tiruchirappalli
Infrastructural Engineering, Sponsored by TEQIP	Local	17-18, December 2007	Co- ordinator	NIT, Tiruchirappalli
Workshop on Geotechnical investigation and decision making in Foundation, Sponsored by TEQIP	Local	, 23 October, 2007	Co- ordinator	NIT, Tiruchirappalli
New materials in concrete	Local	10- 14, September 2007	Co- ordinator	NIT, Tiruchirappalli
Repair and Rehabilitation for Practicing Engineers	Local	1. , 2-6, May 2007	Co- ordinator	NIT, Tiruchirappalli
Recent Advancements in Environmental Engineering	Local	19-23, February 2007	Co- ordinator	NIT, Tiruchirappalli
Workshop on Construction materials	Local	26,27 February 2007	Co- ordinator	NIT, Tiruchirappalli
TEQIP sponsored community service based conduct workshop on “Concrete Mix Design-CONMIDE 2006	Local	9th February 2006	Co- ordinator	NIT, Tiruchirappalli
TEQIP sponsored community service based conduct workshop on “Seismic Structural Analysis and Design- SESTRAD	Local	22nd and 23rd October 2005	Co- ordinator	NIT, Tiruchirappalli
SERC – UNDP sponsored community based conduct programme for ‘Mitigating Damage to buildings and structures due to cyclones	Local	December 31, 1997	Co- ordinator	REC, Tiruchirappalli
AICTE sponsored ISTE winter school on ‘Recent	Local	December 1- 13, 1997	Co- ordinator	REC, Tiruchirappalli

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

Departments in Analysis, Design and Detailing in industrial Structures				
National Symposium on "Tall Structures	Local	February 2-3, 1995	Co-ordinator	REC, Tiruchirappalli
A short term course on "Finite Element Method for Faculty and Practicing Engineers'	Local	April 6-10, 1992	Co-ordinator	REC, Tiruchirappalli

18. Invited Talks delivered

S.No.	Topic	Date	Inviting Organization
1	Condition Assessment of Structures and rating Building	19, April, 2016	Technical meet at Tiruchirappalli organised by Civil Engineering Association of Tiruchitrappalli
2	Delivered Graduation Day address	9 th April, 2016	St.Michael College of Engineering and Technology, Kalayatkoi, Sivaganga District
3	Delivered College Day address	26 th March, 2016	SreeSowdambika College of Engineering, Chettikurichi, Aruppukottai
4	Condition Assessment of buildings	5 March, 2016	Kongu Engineering College, Perundurai
5	Inaugural address of the one day national level symposium	28 March, 2015	JJ college of engineering and Technology, Tiruchirappalli
6	Condition assessment of Buildings	24 March, 2015	Tiruchy Rotary club
7	Key note address on New material for construction	7-9, January 2015	International Conference on Advances in Civil Engineering materials and Processes, CIT, Coimbatore
8	Special lecture on "Forensics practices in Civil Engineering"	24-26 December, 2014	PWD Engineers and the Vigilance Engineers in the Kerala State at Kerala Highway Research Centre, Trivandrum
9	Special lecture on "Condition assessment of Buildings"	1 st December 2014	Mohamed Sathak Engineering College,

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

			Kilakarai
10	Special lecture on "Precautions in Building Construction"	24 September, 2014	State Level seminar on Precautionary Measures in Construction at Civil Engineers and Architects Association Thanjavur
11	Special address on "Engineers' Day"	15, September, 2014	Indira Ganesan College of Engineering, Tiruchirappalli
12	Special lecture on "Importance of Structural Engineer in Construction"	9 September, 2014	monthly meeting at CREDAI, Tiruchirappalli
13	Inaugural Address for the ISTE Sponsored National Level conference on "Recent development in Civil Engineering"	29 th March, 2014	Mohamed Sathak Engineering College, Kilakaral
14	Inaugural Address for the TEQIP II sponsored Two days National Conference on "Recent Trends in Civil and Environmental Engineering"	21 st March, 2014	Anna University BIT Campus, Trichy
15	Special lectures on "Repair Techniques & Case Studies" for the Workshop on Repair & Rehabilitation of Structures	3 rd March, 2014	CARE College of Engineering, Trichy
16	Special address on "Forensic Investigation and Structural Health Monitoring"	4 th January, 2014	Workshop on Recent Developments in Concrete Technology at Vickram College of Engineering, Madurai
17	Special lectures on "Software Application in Civil Engineering"	12-18 th December, 2013	TEQIP sponsored Faculty Development Program at Anna University BIT Campus, Trichy
18	Special address on "Introduction of Light weight Concrete Blocks"	17 th December, 2013	Introductive meet of Renacon AAC Block at Trichy
19	Special lecture on "Forensic Investigation" for the TEQIP sponsored workshop on Utilization of Solid Wastes in Concrete	16 th December, 2013	Thigarajar College of Engineering, Madurai
20	Special lecture on "Indian Construction a Paradigm Shift"	23 rd October, 2013	the Builders' Association of India Day at Tanjore
21	Forensic Investigations and Structural Health Monitoring", key note	21-22 nd October, 2013	Easa College of Engg. & Tech., Coimbatore

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

	address in the AICTE sponsored National Seminar on Earthquake & Structural Health Monitoring		
22	Forensic Engineering Practices- Key note address in the Fourth National conference on innovative Practices in Construction and Waste Management	3 April, 2013	Sri Ramakrishna Institute of Technology, Coimbatore
23	Special lecture on "Precast Construction Practice", for the Technical meet at Thanjavur	8, January, 2013	Ultra Tech Cement Ltd.,
24	"Precast Construction" for the General body meeting of the Builders' Association of India	23, November, 2012	Builders' Association of India, Tiruchi
25	Inaugural address of Civil Engineering Association of Cauvery College of Engineering and Technology, Tiruchirappalli	25, July, 2012	Cauvery College of Engineering and Technology, Tiruchirappalli
26	Delivered College Day address at Arignar Anna College, Aralvoimozhi	16 th March, 2012	Arignar Anna College, Aralvoimozhi
27	Special lecture delivered on "Forensic Engineering" A national level Students' Technical Symposium at Oxford Engineering College, Tiruchirappalli	17 th February, 2012	Oxford Engineering College, Tiruchirappalli
28	Special lecture delivered on "Repairs and Remedies in Construction" Civil Engineers and Architects Association, Thanjavur	10 th January, 2012.	Civil Engineers and Architects Association, Thanjavur
29	Special lecture delivered on steel constructions, Builders Association of India, Trichy	13 th September 2011	Builders Association of India, Trichy
30	Special lecture delivered in the One day orientation programme on Prefabricated buildings – Practices, Challenges and directions, Anna University of Technology, Trichy	9 th September 2011	Anna University of Technology, Trichy
31	Special lecture delivered on Applications of Forensic	7 th April 2011	Institution of Valuers', Trichy

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

	Engineering in Valuation, Institution of Valuers', Trichy		
32	Special lecture delivered in the Inagural function of Intellectual Civil Academe's Nest, JJ College of Engineering and Technology	11 th March 2011	JJ College of Engineering and Technology
33	Special lecture delivered in the National conference on Advances in Materials and Structures at Pondichery Engineering College, Pondicherry	3 rd February 2011	Pondichery Engineering College, Pondicherry
34	Special lecture delivered in the Inaugural function of Seismic safe design training for building professional at Periar Maniammai University, Tanjore	20 th December 2010	Periar Maniammai University, Tanjore
35	Special lecture delivered in the National Seminar on Problems and Prospects in Habitat development, Gandhigram rural University, Gandigram	4 th March 2010	Gandhigram rural University, Gandigram
36	Special lecture delivered in the Civil Engineering Federation of CEFTRON – 2006 to the One day workshop on for Civil Engineers at Trichy	7 th February 2006	Civil Engineering Federation of CEFTRON
37	Special lecture delivered in the Civil Engineers and Architects Association Thanjavur (CEAAT) on "Rehabilitation and Maintenance of Structures"	December 17, 2009	Civil Engineers and Architects Association Thanjavur (CEAAT)

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Member	, ASME,USA	, (100733478/2014)
Life Member	ASCI Association, Administrative Staff College of India	g ./11-12/3/107/45805
Life Member	Indian Geotechnical	LM507

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

	Society	
Fellow Member	The Institution of Engineers	F114764-B
Life Member	Indian Concrete Institute	LM 11681
Life Member	Indian Society for Technical Education	I (LM 1753)
Life Member	Indian Society of Earth Quake Technology	LM580
Life Member	Indian Society of Public Administration	L7999
Fellow member	Indian Institute of Bridge Engineers	LF-1010
Life Member	Indian Water Works Association	LM4750
Life Member	Indian Road Congress	LM 29835
Life Member	Association of Structural Rehabilitation	A0054

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Singapore	15-16 Singapore 1990	International Conference on Steel Structures and Space Frames
United States of America	1-31 March 2007	Training programme on Structural non-destructive and analysis and structural retrofitting
United States of America	11-14 November, 2009	5 th Congress on Forensic Engineering
China	9 -11 June 2011	Emerging Technologies for Design, Construction, rehabilitation and inspections of transportation infrastructures at Changsha University of science & technology, China
United States of America	31 October 2012 to 3 November 2012	ASCE International symposium on Forensic Engineering
United States of America	8-13 June 2014	International Conference on Ocean, Offshore and Arctic Engineering OMAE14, San Francisco

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

21. Publications

(A) **Refereed Research Journals:**

Author(s)	Title of Paper	Journal	Vol. (No.)	Page Nos.	Year	I.F
INTERNATIONAL JOURNALS						
P.Chandru, C.Natarajan, J.Karthikeyan	Influence of Sustainable materials in Strength and durability of SCC	Journal of Building Pathology	3	41-44	2018	
S.M.Ravi Kumar T.Barkavi C.Natarajan	Structural health monitoring: detection of concrete flaws using ultrasonic pulse velocity	Journal of Building Pathology	3	6	2018	
S.R.Shamili, C.Natarajan, J.Karthikeyan	An Overview of electronic waste as Aggregate in Concrete	International Journal of Structural Eng. and Construction Engg.	11	1444 - 1448	2018	
M Murugan, Muthukkumaran. K, and C Natarajan	FRP-Strengthened RC Piles-I:Piles under static Lateral Loads	J.of Performance of Constructed Facilities, ASCE, USA	In press		2016	
M Murugan, Muthukkumaran. K, and C Natarajan	FRP-Strengthened RC Piles-I:Piles under static Lateral Loads	J.of Performance of Constructed Facilities, ASCE, USA	In press		2016	
ShenEn Chen; Mark e. Leeman, BSCE; J. Brandon English, BSCE; Andrew B. Kennedy, PhD; Forrest J. Masters, PhD; Jean Paul Pinelli, PhD; Weichiang Pang, PhD; Jose A. Rullan-Rodriguez, MSCE; P. Satyanarayana, MSCE; Joseph Calvo, BSCE; BharathiMurugan, MSCE; C. Natarajan, PhD	Basic Structure System Rating of Post-Hurricane Haiyan Structures in Tacloban and East Guiuan	Journal of Performance of Constructed Facilities, ASCE			2015	0.7 (R G)
Murugan M, Natarajan C, Muthukkumaran	Non Dimensional solutions for vertical piles subjected to	International Journal of applied	10(62)	302-309	2015	2.89

K	lateral loads”	Engineering Research				(JC C)
Bharathi Murugan, Selvakumar and C.Natarajan	Investigation of the properties of Concrete containing waste tire crumb rubber	International Journal of Earth Sciences and Engineering	8(2)	126-129	2015	0.14 (SJ R)

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

Murugan M, Natarajan C, Muthukkumaran K	Stiffness degradation and energy dissipation of RC Piles subjected to cyclic lateral loading	International Journal of applied Engineering Research	10(62)	310- 315	2015	2.8 9 (JC C)
Lokeswaran M.R. and C.Natarajan	Non Destructive Investigation on the effect of locally available Manufactured sands in Concrete	International Journal of Earth Sciences and Engineering	8(2),	184- 188	2015	0.1 4 (SJ R)
Bharathi Murugan and C.Natarajan	Investigation of precast concrete paver block with waste tyre crumb rubber”,	Road Materials and Pavement Design	DOI: 10.10 80/14 6806 29.20 15.11 1905 6		2015	1.5 47 (T R)
Bharathi Murugan and C.Natarajan	An experimental study on Rubberized concrete	International Journal of Scientific and Engineering research	6 (5)	860- 863	2015	0.1 8 (R G)
V. Vengatasalapathy, R.Ilangovan, A.R.Santhakumar and C.Natarajan	An experimental investigation on the stresses distribution in reinforced concrete deep beams	International Journal of Applied Engineering Research	10(5)	1282 5- 1284 1	2015	2.8 9 (J CC)
V.Vengatasalapath hy. R.Ilangovan.,A.R. Santhakumar and C.Natarajan	Behaviour and ultimate strength of reinforced concrete deep beams with openings under induced shear load	International Journal of Earth Sciences and Engineering	8(4)	1927- 1934	2015	0.1 4 (SJ R)
R. Bharathi Murugan and C.Natarajan	Durability Study on Concrete Incorporating Waste Tire Crumb Rubber as Fine Aggregate	International Journal of Earth Sciences and Engineering	8(3)	1187- 1190	2015	0.1 4 (SJ R)
K Haridharan and C Natarajan	Numerical Simulation of Damage in Reinforced Concrete Slab subjected to Elevated Temperature	International Journal of Earth Sciences and Engineering	8(1)	129- 135	2015	0.1 4 (SJ R)

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

Murugan, M., Natarajan, C .and Muthukkumaran K	Experimental study of the behavior of interface between gravel soils and concrete surfaces	International journal of Earth Sciences and Engineering	7(4)	659- 664	2014	0.1 4 (SJ R)
M K Haridharan and C Natarajan	Performance and Damage Assessment Reinforced Concrete Slab exposed to Elevated Temperature	International Journal of Civil Engineering	3(5)	7 -16	2014	0.3 72
Murugan, M., Natarajan, C .and Muthukkumaran K	Flexural Behavior Of Concrete Prisms Confined With FRP Composites	Int. Journal of Construction Materials and Structures	2 (1)	9-18	2014	1.4 11
Murugan, M., Natarajan, C and Muthukkumaran K	Short-Term Durability Test on Compressive Behavior of Concrete Cylinders Confined With FRP Composites under Various Environmental Conditions	International journal of Earth Sciences and Engineering	7(4)	7(4)	2014	0.1 4 (SJ R)
N Raveendrababu, M K Haridharan and C Natarajan	Temperature distribution in concrete slabs exposed to elevated temperature	International Journal of Engineering Science Invention	3 (3)	35 – 43	2014	1.7 86
Murugan, M., Natarajan, C .and Muthukkumaran K	Experimental Investigation on GFRP strengthened RC Piles under lateral loads	Int.Journal of Forensic Engineering	2 (1)	552- 556	2014	-
M.Murugan, K.Muthukkumara n, and C.Natarajan	Compressive Behavior of Concrete cubes Confined With Glass And Carbon Fibre Reinforced Polymers	International Journal of Engineering & Science Research	3(3),	2618- 2626	2013	3.4 7
M.Murugan, C.Natarajan and K.Muthukkumara n	Compressive Behavior of Concrete Cylinders Confined With Glass And Carbon Fibre Reinforced Polymers	International Journal of Structural and Civil Engineering Research	02	69-76	2013	-
Sangluaia. C, ,	Behaviour of	International	3(1),	195-	2013	

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

Hariharan, C.Natarajan and Rajaraman	Reinforced Concrete slab subjected to Fire	journal of Computational Engineering Research		206		
Bennet Jose Mathew, M. Sudhakar, and C. Natarajan	Strength, Economic and Sustainability Characteristics of Coal Ash–GGBS Based Geopolymer Concrete	International Journal of Computational Engineering Research	3(1)	207- 212	2013	0.6 75
Bennet Jose Mathew , Sudhakar M and C Natarajan	Development of Coal Ash – GGBS based geopolymer bricks	European International Journal of Science and Technology	2(5),	133 – 139	2013	0.4 57
M. Sudhakar and C.Natarajan	A comparative study on Geopolymer bricks manufactured using Non-ionic water and sea water	Int.Journal of Construction Materials and Structures	2(2)	1-7	2013	1.4 11
S.Shifana Fatima andC.Natarajan	Object-oriented program and webpage developed for the design of bridges	Journal of Information, Intelligence and Knowledge, Nova Science Publishers	5(4)	259- 267	2013	
Madhavi.N, Baskar.K, Natarajan.C and Rajaraman A	Role of Central and Non- Central Nodal damage in skewed grid bridges	International Journal Earth Sciences and Engineering	6(4)	612- 616	2013	0.1 4 (SJ R)
Remya, C.Natarajanand A.Rajaraman	Flood vulnerability of soft storied residential buildings	International Journal of Civil Engineering and Applications	3(4),	pp51- 54	2013	-
S.E.Chen, R.Schmidt, R.Janardhanam and C.Natarajan	First Indian –US Forensic engineering workshop	Int. Journal of Forensic Engineering	1(3/4) ,	183- 197	2013	-
V.Vengatasalapath R.Ilangovan.,A. R.Santhakumar and C.Natarajan	An investigation of the stresses in Reinforced Concrete deep beams with and without openings	Pensee Journal, France	75(12)	362- 373	2013	0.0 63
M.Murugan, Natarajan C and K.Muthukkumara n,	Behaviour of Laterally loaded piles in cohesionless soils	International Journal of Earth Sciences and Engineering	4(6)	104- 106	2013	0.1 4 (SJ

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

						R)
Natarajan, C., Revathi.P and Jeya.S	Prognosis of Rebar Corrosion in Fly-ash concrete Part 1” - Pondering method	International Journal of 3R’s	, 2(4),	319-323	2011	0.511
Natarajan, C., Revathi.P and Jeya.S	Prognosis of Rebar Corrosion in Fly-ash concrete Part 2 ” – Electric Potential method	International Journal of 3R’s	2(4),	324-328	2011	0.511
S.Shifana Fatima., C.Natarajan and A.Rajaraman	Stiffness Evaluation and Damage Quantification of Beams using Knowledge Based finite element approach	Journal of Information, Intelligence and Knowledge, Nova Science Publishers,	3 (1),	27-39	2011	-
Natarajan, C., Shen-En Chen and Mohiuddin Syed	Rehabilitation and Preservation of the St. Lourdes Church, Tiruchirappalli	Journal of Performance of Constructed Facilities, ASCE	24(3)	281-288	2010	0.7 (R G)
Syed Ummer M.Thangal, K.S. Pandey, Natarajan, C., and S.Shanmugam	Effect of copper and silicon addition on the ring fracture strength and hardness of sintered-hot forged carbon steels	Int. J. of Materials and Product Technology	34 (3),	312-322	2009	0.365
C.Natarajan and P. ArunKumar	Experimental Investigation of Torsional behaviour of Glass Fibre wrapped reinforced Concrete beam	International Journal Earth Sciences and Engineering	2(1)	63-67	2009	0.14 (SJ R)
S.Senthamil Kumar, C.Natarajan and K.Muthukumaran	Multilinear Regression Analysis for seismic response and coastal Engineering Properties of liquefiable coromandel coastal soil deposits	International Journal of Geotechnical and Geological Engineering, Springer Publications	DOI 10.1007/s10706-008-9244-X	39-453	2009	0.814
Shifana Fatima S., Natarajan, C., and Rajaraman, A	Structural Damage Diagnosis and Rehabilitation Using Fuzzy Information	International Journal of Soft Computing	3(5)	368-372	2008	0.13

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

Syed Ummer M.Thangal, K.S. Pandey, Natarajan, C., and S. Shanmugam	Ring fracture strength and hardness of sintered hot forged deformed high carbon steel performs	International Jl. of Materials Science	3(1)	75-88	2008	2.3 02
Syed Ummer M.Thangal, K.S. Pandey, Natarajan, C., and S.Shanmugam	Ring fracture strength and hardness behaviour on fractional density of sintered-hot forged 1.2% Cu and 1.0% Si alloyed carbon steels	Int. Jl. of Materials Science	2(3)	219-228	2007	2.3 02
Suneel Kumar M., Jayabalan P., and Natarajan, C	Effect of intraplanar differential settlement analysis of boiler supporting structure – A case study	Journal – The Institution of Engineers, Malaysia	68(2)	8 - 14	2007	-
Natarajan, C., Jayabalan P., Almas Begum, N., and Rajaraman, A	Corrosion protection by coatings on pre-stressed steel	The Journal of Science and Engineering, Corrosion	61(12)	1189-1193	2005	0.1 3 (SJ R)
NATIONAL JOURNALS						
Tejasvi M, Bharathi Murugan R. and C. Natarajan	Mechanical properties of geopolymer concrete paver block	Journal of Geotechnical Engineering	3 (1),	1-5.	2016	
Lokeshwaran M. R and C. Natarajan	Experimental investigation of on the effect of manufactured sand in concrete	J., Recent trends in Civil Engineering and Technology	6 (1)	45-52	2016	4.1 5
Barkavi T and C. Natarajan	Damage assessment in reinforced concrete structures	J., Recent trends in Civil Engineering and Technology	6 (1)	29-35	2016	4.1 5
Bharathi Murugan R. and C. Natarajan	Investigation of the behavior of concrete containing waste tire crumb rubber	Advances in Structural Engineering,	DOI 10.10 07/97 8-81-322-2187-6_13 7	1795-1802	2015	0.4 8 (SJ R)

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

M. Sudhakar, George M. Varghese and C. Natarajan	Performance Studies on Geopolymer Based Solid Interlocking Masonry Blocks	Advances in Structural Engineering, Springer India	DOI 10.10 07/97 8-81- 322- 2187- 6_12 8	1687- 1701	2015	0.5 77 (SJ R)
M.R. Lokeswaran and C. Natarajan	Study on the Properties of Cement Concrete Using Manufactured sand	Advances in Structural Engineering, Springer India	DOI 10.10 07/97 8-81- 322- 2187- 6_13 8	1803- 1809	2015	0.4 8 (SJ R)
Ch.Venkateswarlu and C. Natarajan	Performance assessment of RC beams with CFRP and GFRP sheets	Advances in Structural Engineering, Springer India	DOI 10.10 07/97 8-81- 322- 2187- 6_15	1987- 2000	2015	0.4 8 (SJ R)
N.RaveendraBabu, M.K. Haridharan and C. Natarajan	Behaviour of Two Way Reinforced Concrete Slab at Elevated Temperature“, Advances in Structural Engineering	Advances in Structural Engineering, Springer India	DOI 10.10 07/97 8-81- 322- 2187- 6_17 3	2285- 2298	2015	0.4 8 (SJ R)
M. Sudhakar, M.P. Raj and C. Natarajan	Interaction Study on Interlocking Masonry Wall UnderSimultaneous Springer India	Advances in Structural Engineering In- Plane and out- of-Plane Loading	DOI 10.10 07/97 8-81- 322- 2187- 6_18 9	2471- 2480	2015	0.4 8 (SJ R)
Madhavi. N, Baskar. K, C. Natarajan and Rajaraman.A	Influence of skew angle in the design of grids	Indian Highways	41(5),	57-65	2013	1.6 9
Sukanya. G., Natarajan, C. and	Progressive Collapse Analysis of RC	Journal of Mechanical and	5(4)	55-67	2013	1.7 53

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

Rajaraman, A	Beams	Civil Engineering				
Murugan I., Natarajan, C.	Reinforcing Traditional Indian Construction with Modern Structures Planning	Indian Journal of Traditional Knowledge (IJTK), NISCAIR, New Delhi	8(4),	633- 637	2009	0.5 9
Murugan I., Natarajan, C	Reinforcing Traditional Construction with Modern Structures - Investigations Execution Phase	Indian Journal of Traditional Knowledge (IJTK), NISCAIR, New Delhi	8(4)	629- 632	2009	0.5 9
S.Shifana Fatima.,C.Nataraj an and A.Rajaraman.	Rehabilitation using visual and oral assessments of damage	Journal of Structural Engineering,	35 (6),.	247- 252	2009	1.4 3 (SJ R)
S.Shifana Fatima., C.Natarajan and A.Rajaraman	Finite element analysis of damaged beam using stiffness reduction formulation	The ICFAI University Journal of Structural Engineering	I(2)	22-41	2008	1.4 3 (SJ R)
Senthamilkumar S., Natarajan C., and Muthukkumaran K	optimal study on engineering properties of soil deposit in (Nagapattinam) coastal area for liquefaction analysis	Journal of Institution of Engineers, India	88	30-36	2008	-
Dhanalakshmi G., J. Jothimani, Natarajan, C., and Rajaraman, A.,	Influence of size effect on response of RC beam	Journal of Structural Engineering	34(3)	237- 242	2007	1.4 3 (SJ R)
Nisha, U., Natarajan, C., and Rajaraman A	Non-linear Seismic Analysis of Elevated Water Tank in Different Seismic Zones	Civil Engineering & Construction Review	19 (7)	56 – 59	2006	-
Natarajan, C., and Senthilkumar, S.	Repair materials for structural and non- structural application – a comparative study	Civil Engineering & Construction Review	19 (1)	60 – 64	2006	-
Rajaraman, A., Natarajan, C.,	Corrosion evaluation of pre stressed steel	Journal of the Indian Road	66 (2)	427 –	2005	0.6

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

Jayabalan P and Almas Begum, N	in pre-stressed concrete cantilever segmental block	Congress		434		3 (2016)
Natarajan, C	Construction of two-tier service reservoir for zone II of Thuvakudy village	Journal of Indian Water Works Association	XXXVII (3)	185 – 188.	2005	-
Natarajan, C., and Srividya	Corrosion effects on high performance concrete	New Buildings Materials and Construction World	10 (12)	49-54	2005	-
Sivasubramanian, K. Natarajan, C., and Rajaraman, A	Performance-based object-oriented design for components	The Journal of Structural Engineering	31(3)	213 - 220	2004	1.532 (2016)
Rajaraman, A. and Natarajan, C	Visual Computing for Concrete Structures	New Building Materials & Construction World	10(6)	24-29	2004	-
Natarajan, C., Maheswaran, G. and Rajaraman, A	Studies on sacrificial anode cathodic protection	The Indian Concrete Journal	78(8)	49-52	2004	0.2 (2016)

UNDER REVIEW

Author(s)	Title of Paper	Journal	Vol (No.)	Page Nos.	Year
ShenEn Chen; RamsaiEeda, BSCE; Joseph R. Calvo, BA; C. Natarajan, PhD	Geo-tagged Photo Cluster Structure Detection Using Centroid Localization Technique	J.of Performance of Constructed Facilities, ASCE, USA.			
M Murugan; K Muthukkumaran; C Natarajan	Field study on FRP strengthened RC piles under static and cyclic lateral loads- part 1- GFRP	Journal of Performance of Constructed Facilities, ASCE, USA			
C. Natarajan; R,Bharathi Murugan; E,Ramsai	Impact Response of rubberized concrete paver block	Canadian journal of Civil Engineering			
	fatigue behavior of concrete containing	Innovative Infrastructure			

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

R,Bharathi Murugan; E,Ramsai, C.Natarajan and Shen-en Chen	waste tire crumb rubber	Solutions, Springer (Soil- Structure Interaction Group in Egypt)			
MK Haridharan, C Natarajan and Shen En Chen	Evaluation of Residual Strength and Durability Aspect of Concrete Cube Exposed to Elevated Temperature	Journal of Sustainable cement based materials, (Taylor and Francis)			
MK Haridharan, C Natarajan and Shen En Chen	Experimental study on reinforced concrete slab at various temperatures	International Journal of Fire and Safety, USA.			
MK Haridharan and C Natarajan	Experimental study on thermo mechanically treated (TMT) rebar subjected to various thermal cycle" is accepted for the presentation in the Conference	International conferences on recent trends in engineering and material sciences" and possible publication in "Perspectives in Science (Elsevier)			2016
R,BharathiMurugan , and C.Natarajan	Strength evaluation of rubberized concrete based on ultrasonic pulse velocity and rebound hammer tests	International conferences on recent trends in engineering and material sciences" and possible publication in "Perspectives in Science (Elsevier)".			2016

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

K. C. Baba Fakruddin and C.Natarajan	Experimental study on the effects of hair fibre waste in concrete	Accepted for the presentation in the Conference “National conference on Advances in Construction Technology and Management			2016
N. Ganesh and C.Natarajan	Mechanical properties of high performance glass fibre reinforced concrete with superplasticizer	Accepted for the presentation in the Conference “National conference on Advances in Construction Technology and Management			2016
K. Ramachandrudu and C.Natarajan	Mechanical properties of concrete by partial replacement of cement with paper	Accepted for the presentation in the Conference “National conference on Advances in Construction Technology and Management			2016
M. Thejasvi, R. Bharathi Murugan and C.Natarajan	Mechanical properties of geopolymer concrete paver block	Accepted for the presentation in the Conference “National conference on Advances			2016

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

		in Construction Technology and Management			
Barkavi. T and C.Natarajan	A Decision Support System For Condition Assessment Of Distressed Concrete Buildings	Accepted for the presentation in the Conference “Architectura l Engineering institute Conference 2017” Oklahoma City, USA			2017

(B) Conferences/Workshops/Symposia Proceedings

INTERNATIONAL CONFERENCES

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page No	Venue	Year
Barkavi T and C. Natarajan	Assessment of Damage in Concrete Beam using Fuzzy Inference	5 th international conference on Civil Engineering and Urban Planning (CEUP 2016)		Xian, China	2016
R. BharathiMurugan, C. Natarajan and Shen-En Chen	Material development for a sustainable precast concrete block pavement	Proceeding of the 9th International Committee on Pavement Technology (ICPT2015)		Dalian, Liaoning, China	2015
M. Hemanthyadav and C.Natarajan	Analytical studies of the behavior of Reinforced concrete beam with openings	proceedings of the International Conference on “Advance In Civil Engineering Materials and		Coimbatore Institute of Technolog y, Coimbatore	2015

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

		Processes” (ICACEMAP 2015)			
Srinivasan Chandrasekaran, N.Madhavi and C.Natarajan	Variations of Hydrodynamic Characteristics with the perforated Cylinder	Proceedings of the 33 rd International Conference on Ocean, Offshore and Arctic Engineering OMAE14		San Francisco	2014
M K Haridharan and C Natarajan	Effect of Cooling Methods on Mechanical Properties of OPC and PPC Concrete Subjected to Elevated Temperature	International Conference on Innovations and Advances in Civil Engineering Towards Green and Sustainable Systems (INACES- 20140)			2014
C.Natarajan, R.Janardhanam, A.Rajaraman, Shen-En-.Chen and Ryan Schmidt.	The first Indo-US forensic Engineering Workshop and Beyond	Proceedings of the 6 th Congress on Forensic Engineering gateway to a Safer Tommorrow		San Francisco	2012
C.Natarajan, S.E.Chen., and S.Shifana Fatima	Repair and Rehabilitation of a 28 year old overhead Water tank	Proceedings of the 5th Forensic Engineering	769-778	Washingto n, D.C	2009
Y.RatnaDivya, C.Natarajan, and A.Rajaraman	Uncertainty Information processing in Repair and rehabilitation	Proceedings of the 5th Forensic Engineering	597-606	Washingto n, D.C	2009
S.Shifana Fatima., I.Murugan., C.Natarajan., and A.Rajaraman	Dynamics of Rock Blocks in Traditional Construction	Proceedings of the 12th International Association for Computer Methods and Advances in	4793- 4800	Goa	2008

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

		Geomechanics, IACMAG			
I.Murugan., C.Natarajan., and A.Rajaraman	Converting Entrance hall into Convocation Hall, in Bharathidasan University, Tamilnadu	Proceedings of the 12th International Association for Computer Methods and Advances in Geomechanics, IACMAG,	4778- 4785	Goa	2008
C.Natarajan	Rehabilitation and preservation of structures for religious purposes”,	Proceedings of the 12th International Association for Computer Methods and Advances in Geomechanics, IACMAG	4819- 4823	Goa	2008
I.Murugan., C.Natarajan., and A.Rajaraman	Traditional Construction in southern peninsula- Knowledge extraction	Proceedings of the 12th International Association for Computer Methods and Advances in Geomechanics, IACMAG	4824- 4829	Goa	2008
S.Shifana Fatima., C.Natarajan., and A.Rajaraman	Fuzzy Information Processing for Damage Assessment and Rehabilitation	Proceedings of the IEEE World Congress on Computational Intelligence		Hong Kong	2008
S.Shifana Fatima., C.Natarajan., and A.Rajaraman	Identification of Structural Damage in a Cantilever Beam using Fuzzy Logic	Proceedings of the second International Conference on Resource Utilization and Intelligent Systems		Erode	2008
C.Natarajan.,A.Ra jaraman., S.Shifana Fatima and S.Siva Kumar	Nonlinear dynamic response of cracked rehabilitated Composites	Proceedings of the International Conference of the Engineering		Minnesota	2008

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

		Mechanics Institute			
S.Shifana Fatima and C.Natarajan	Rehabilitation of damaged beams using fuzzy logic	Proceedings of the International Conference on Innovative and Smart Structural Systems for sustainable Habitat		Coimbatore	2008
G. Dhanalakshmi , C. Natarajan and A. Rajaraman	Size Effect And Modelling Effect of RC Beams Using Fracture Mechanics,	Proceedings of the International Conference on Innovative and Smart Structural Systems for sustainable Habitat		Coimbatore	2008
S.Shifana Fatima., C.Natarajan., and A.Rajaraman	Rehabilitation using fuzzy Information Processing	Proceedings of the International Conference on Soft Computing and Intelligent systems		Jabalpur	2007
S.Shifana Fatima., C.Natarajan., and A.Rajaraman	Optimum Location of Tuned Mass Damper in Buildings	Proceedings of the third Structural Engineers World Congress, SEWC -2007		Bangalore	2007
S.Shifana Fatima., M.Revathy., C.Natarajan., and A.Rajaraman	Identification of Structural Damage using Fuzzy Logic	Proceedings of the third Structural Engineers World Congress, SEWC -2007		Bangalore	2007
Senthamilkumar S., Natarajan, C., and Muthukkumaran K	Assessment of Seismic site characteristics of Nagapattinam coroamandal coast	Proceedings of the International Workshop on Earthquake		Guwahati	2007

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

	sand deposits	hazards and mitigation, Organised by Indian Institute of Technology			
S.Shifana Fatima and C.Natarajan	Effectiveness of Fuzzy Logic in Decision Making	Proceedings of the International Conference on Modeling and Simulation, Coimbatore		Coimbatore	2007
S.Shifana Fatima., C.Natarajan., and A.Rajaraman	Web Enabled Bridge Design	Proceedings of the International Conference on Recent Developments in Structural Engineering		Manipal	2007
G. Dhanalakshmi., C. Kalaivani., C.Natarajan., and A.Rajaraman	Size effect on RCC beams using Fracture Mechanics	Proceedings of the International Conference on Recent Developments in Structural Engineering, Manipal	465-475	Manipal	2007
M.Revathy.,C.Nat arajan., and A.Rajaraman	Analysis of Damaged Structures using Stiffness Reduction Formulation	Proceedings of the International Conference on Recent Developments in Structural Engineering	186-194	Manipal	2007
S.Shifana Fatima., C.Natarajan., and A.Rajaraman	Vibration Control of Structures Using Tuned Mass Damper	Proceedings of the first International Conference on Resource Utilization and Intelligent Systems, organized by Kongu Engineering College, Erode	201-207	Erode	2006

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

Murugan Natarajan C., Rajaraman A	I., and	Synergic aspects of traditional Indian construction	Proceedings of the Seventh International Conference on “Destination India” organised by Delhi School of Professional Studies and Research (DPSR), New Delhi		New Delhi	2006
Senthamilkumar S., Suppiah S., and Natarajan, C		Estimation of Liquefaction induced settlement and remedial measures for the soil deposits in Nagapattinam taluk	Proceedings of International Conference on Earthquake Engineering (ICEE 2006)	534 – 543	SASTRA, Thanajvur	2006
Murugan Natarajan C., Rajaraman A	I., and	Critical Analysis of Design and Construction of Thiruvalluvar Statue, 133 Ft (40 M) High in Mid Sea in Kanyakumari (Cape Comorin), Tamil Nadu, India	2nd International fib congress, Naples, Italy		Naples, Italy	2006
P. Dinesh, B. Raghavakumar, Natarajan C., and Rajaraman A		Damage Finite Element Analysis using NDT for Beams	Proceedings of the Tenth East Asia Pacific Conference on Structural Engineering and Construction (EASEC-10),		Bangkok, Thailand	2006
Murugan Natarajan C., Rajaraman A	I., and	Synergic aspects of traditional Indian construction	Proceedings of the Seventh International Conference on “Destination India” organised by Delhi School		New Delhi	2006

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

		of Professional Studies and Research (DPSR), New Delhi			
Dhanalakshmi G., Natarajan, C., and Rajaraman, A	Size effect on damage in concrete beam models	Proceedings of International Conference on Emerging Adaptive Systems and Technologies		Noorul Islam College of Engineering, Kumarac oil, Tamil Nadu, India	2005
Natarajan, C. and Senthil Kumar S	Repair materials for structural and non structural applications	International Summit on Rehab Technology Summit – 2005		Hyderabad	2005
Natarajan, C. and Nithya, S	Characteristics of Ceramiccrete	International Conference on Advances in Concrete Composites and Structures, ICACS – 2005		SERC, Chennai	2005
Natarajan, C., and Almas Begum, N	Corrosion protection of pre-stressing steel in Pre-stressed concrete cantilever segmental block	FIB Symposium on Segmental Construction in Concrete		New Delhi	2004
Sivasubramanian, K. Natarajan, C. and Rajaraman, A	Performance based object oriented design of subsystems using component objects for better performance	Our World in Concrete and Structures		Singapore	2003
Senthamilkumar, S. Natarajan, C. and Subbiah, S	Geotechnical properties of Coromandal Costal Soil	Proceedings of International Conference on Land Slide soil characterization at Malaysia		Malaysia	2003
Badarinarayanan V.T., Natarajan, C. and Rajaraman, A	Design Smartness for tackling unanticipated loads	Proceedings of International Conference on Smart Materials, Structures and		Bangalore	2002

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

		Systems, Bangalore			
Mookencheril S. Mathews., Bosco, J., and Natarajan, C	Renovation of building for lady of St, Lourdes church	Proceedings of the International conference on at University Karlsruhe, West Germany		Karlsruhe, West Germany	1998
Kamatchi, P., Jayabalan, P., Natarajan, C., and Kuppusamy, K.A	Rehabilitation of Overhead water tank- A case study	Proceedings of the International conference on 'Maintenance and Durability of Concrete structures		Hyderabad	1997
Rajkumar, D., and Natarajan, C	Object – Oriented Programming application in the Design of RCC Beams	Proceedings of the International Conference on 'Computing and Information Technology for Architecture', Engineering and Construction		Hotel New Otani, Singapore	1996
Rajkumar, D.,and Natarajan, C	Object –Oriented Programming for Design of Structural Steel Elements – An Evolutionary Approach	Proceedings of the International Conference on 'Computing and Information Technology for Architecture, Engineering and Construction		Hotel New Otani, Singapore	1996
Kanthimathinathan, S., and Natrajan, C	Study of Change in the Geometry of Tall Stacks for Different Wind Speed	Proceedings of the 5 th International Conference of 'Steel Structures		Jakarta, Indonesia	1994
Rajalingam, M., Natrajan, C. and	Dynamic Response on	Proceedings of the 4 th		Singapore,	1990

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

Shanmugam, M	Seven Storeyed Steel Structures Against Earth Quake Forces	International conference ‘ Steel Structures’ and Space Frames			
Natarajan, C., Aravindan, P.K. and Srinivasarao, P	Behavior of Cylindrical Shells at Ultimate stage	Proceedings of the IASS Symposium on ‘Innovative applications of shells and Spatial Forms		Bangalore	1988
Natarajan, C., Aravindan, P.K. and Srinivasarao, P	Finite Element Analysis of continuous cylindrical Shells			Proceedings of the International conference on ‘Finite in Computational Mechanics’ , IIT, Bombay	1985
Natarajan, C., Aravindan, P.K. and Srinivasarao, P	Behavior of prestressed Continuous Cylindrical Shells	Proceedings of the “Computer 85 – Second International Conference on “Computer Aided Analysis and Design in Civil Engineering		University of Roorkee	1985

NATIONAL CONFERENCES

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page No	Venue	Year
M.R. Lokeswarn and C. Natarajan	Experimental Investigation On The Effect Of Manufactured Sand In Concrete	National Conference on Advances in Construction Technology and Management		VNIT Nagpur	2016

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

N.Ganesh, Dr. C. Natarajan	Mechanical Properties of High Performance Glass Fibre Reinforced Concrete with Superplasticizer	National Conference on Advances in Construction Technology and Management		VNIT Nagpur	2016
Barkavi T and Dr.C.Natarajan	Damage Assessment in Reinforced Concrete Structures	National Conference on Advances in Construction Technology and Management		VNIT Nagpur	2016
K.C. Baba Fakruddin, Dr.C.Natarajan	Experimental Study on the Effects of Hair Fibre Waste in Concrete	National Conference on Advances in Construction Technology and Management		VNIT Nagpur	2016
K.Ramachandru du, Dr. C.Natarajan	Mechanical Properties of Concrete by Partial Replacement of Cement with Paper waste	National Conference on Advances in Construction Technology and Management		VNIT Nagpur	2016
Barkavi T and Dr.C.Natarajan	Assessment of Damage in Structures	National Conference on Forensic Structural Engineering		VIT- Chennai Campus, Chennai	2016
M.Thejasvi, R.Bharathi Murugan, Dr.C. Natarajan	“Mechanical Properties of Geopolymer Concrete Paver Block”	National Conference on Advances in Construction Technology and Management		VNIT Nagpur	2016
Bharathi	Investigation of	4th Asian	103-	Indian	2015

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

Murugan R. and Natarajan C.	the behavior of low calcium fly ash based geopolymer concrete	Conference on ecstasy in Concrete on advancements in structural Concrete (ICI-ACECON 2015)	108	concrete Institute, Kolkata	
MK Haridharan And C Natarajan	Numerical Simulation of Damage in Reinforced Concrete Slab subjected to Elevated Temperature	Proceedings of the National Conference on Advancements in Materials, Construction & Sustainable Environment (AMCSE 2014).			2014
Bharathi Murugan R And C.Natarajan	Investigation of the behavior of concrete containing waste tire crumb rubber	Structural Engineering Convention (SEC-2014)	1795-1802	IIT Delhi	2014
M.Sudhakar, George M.Varghese and C. Natarajan	Performance Studies on Geopolymer Based Solid Interlocking Masonry Blocks	Structural Engineering Convention (SEC-2014)	1687-1701	IIT Delhi	2014
M.R. Lokeswaran And C.Natarajan	Study on the Properties of Cement Concrete Using Manufactured Sand	Structural Engineering Convention (SEC-2014), IIT Delhi	1887-1901	IIT Delhi	2014
Ch.Venkateswarl and C.Natarajan	Performance assessment of RC beams with CFRP and GFRP sheets	Structural Engineering Convention (SEC-2014) , IIT Delhi	1987-2000	IIT Delhi	2014
M. Sudhakar, M.P. Raj and	Interaction Study on	Structural Engineering	2471-2480		2014

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

C. Natarajan	Interlocking Masonry Wall Under Simultaneous In-Plane and Out-of-Plane Loading	Convention (SEC-2014)			
RaveendraBabu Nukala, M.K. Haridharan And C.Natarajan	Behaviour of Two way reinforced concrete slab at elevated temperature	Structural Engineering Convention (SEC-2014)	2285-2298		2014
Abraham.A, N.Lakshmanan, S.Arunachalam, G.M. Samuel Knight, M.Banu, J. P.Jincy And C.Natarajan	Computation of Peak Load effects on Low rise Buildings-mA Simple Method	Proceedings of the National Conference on Wind Engineering, 2012 at New Delhi	249-258		2014
M. Murugan, C.Natarajan and K.Muthukumaran	Behavior of interfaces between glass fibres reinforced polymer and gravel soil	Proceedings of the Indian Geotechnical Conference, 2012 at New Delhi	588-591		2012
C. Natarajan., and A. Rajaraman	Seismic Structural Needs	Proceedings of the ISTE Golden Jubilee Symposium, Indian Society of Earthquake Technology Department of Earthquake Engineering Building, IIT Roorkee		IIT Roorkee	2012
C.Natarajan	Forensic Engineering in Rural Housing	Proceedings of the Tamil Science		Gandhigr am	2011

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

		Congress , organized by Gandhigram Rural University, Gandhigram			
S.Siva Kumar., S.Shifana Fatima., C.Natarajan., and A. Rajaraman	Nonlinear Behavior of Cracked Composites under Tension	Proceedings of the National Conference on Recent Advances in Structural Engineering, Tiruchirappalli	235- 248	Tiruchirappalli	2008
S.Shifana Fatima., M.Revathy., C. Natarajan., and A. Rajaraman	Damage analysis of portal frame using Stiffness Reduction	Proceedings of the National Conference on Wind Engineering , NCWE-2007		Structural Engineering Research Centre, Chenna	2007
Natarajan C	Repair and Rehabilitation using composites	Proceedings of the National Seminar on Fibre Reinforce Composites (An Innovation for Renovation)		Department of Civil Engineering, Kongu Engineering College, Erode	2007
Shifana Fatima S., and Natarajan C	Efficiency of Tuned Mass Damper in Controlling the response of the Building Subjected to Various Types of Loading	Proceedings of the National Conference on Recent Advances in Structural Engineering NCRASE-07	20.1 to 20.9	Governm ent College of Engineering, Salem	2007
S.Shifana Fatima., and C.Natarajan	BOT project – Impact of various risks on its Financial	Proceedings of the National Conference,	71-77	TKM college of Engineering,	2007

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

	Feasibility	Focusing on Advances in Civil Engineering		Kollam, Kerala	
Senthamilkumar S., Natarajan, C	Liquefaction induced settlement characteristics of coastal soil along Karikal region	Proceedings of National Seminar on Disaster – Prediction, Prevention and Management	79 - 84	Bapuji Institute of Engineering and Tech., Davangere,	2006
Senthamilkumar S., Suppiah S., and C.Natarajan	Energy Corrections for observed SPT – N Values and correlation with SCPT values for the Coromandel Soils	Proceedings of National Conference on Sustaining technology for Advancements in Civil Engineering	8.3.1 – 8.5.4	S.R.K.R. Engineering College, Bhimavaram	2006
Murugan I., Natarajan C., and Rajaraman A	Structural rehabilitation in traditionally blended modern structures	Proceedings of the national conference on Concrete technology for the future (NCCTF – 2006)		Department of Civil Engineering, Kongu Engineering College, Erode	2006
Senthamil kumar S., Natarajan, C	Generation of Microzonation map for liquefaction potential of Pondicherry Coastal Soil	Proceedings of National Conference for Research Scholars on Applications of Emerging Technologies		Athiyaman College of Engineering, Hosur	2005
Senthamilkumar S., Suppiah S., and Natarajan, C	Liquefaction Related Settlement Characteristics of Coromandel Coastal Soil	Proceedings of Indian Geotechnical Conference – 2005	335 – 338	Nirma Institute of Tech., Ahmedabad	2005
Vidhya S.,	Microwave	Proceedings		Manipal	

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

Umesha P.K., and Natarajan C	tower analysis and design system based on BIS codal provisions	of the first national conference on Recent Developments in structural Engineering (RDSE-2005)		Institute of Technolo gy, Manipal	
Vidhya S., Umesha P.K., and Natarajan C	Design optimization microwave antenna towers using genetic algorithm	Proceedings of the first national conference on Recent Developments in structural Engineering (RDSE-2005)		Manipal Institute of Technolo gy, Manipal	2005
Shanthi J., Dhanalakshmi G., Natarajan, C., And Rajaraman	Modeling parameters and size effects in concrete beam with cracking	Proceedings of the first national conference on Recent Developments in structural Engineering (RDSE-2005)		Manipal Institute of Technolo gy, Manipal	2005
Karthick Rama Krishnan M., Velayuthan, E., Natarajan, C and Rajaraman A	A continuous beam design, damage analysis & rehabilitation	Proceedings of the National Seminar on Recent Trends in Structural Engineering		IRTT, Erode	2005
Shanthi J., Dhanalakshmi ,G., Natarajan, C.,and Rajaraman A	Effect finite Modeling on the size of concrete beams	Proceedings of the National Seminar on Recent Trends in Structural Engineering		IRTT, Erode	2005
Sakthivel S., Dhanalakshmi ,G., Natarajan, C.,and Rajaraman A	Modeling Parameter and size effects in concrete beam behavior	Proceedings of the National Seminar on Recent Trends in Structural		IRTT, Erode	2005

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

		Engineering			
Senthamilkumar, S. Natarajan, C. and Subbiah, S	Liquefaction related settlement characteristics of coromandal coastal soil	Proceedings of Indian Geotechnical Conference – 2005 (IGC-2005) on Geotechnical practices for Environmental Management, Disaster Mitigation and foundation Engineering (GMDFE)		Nirma University of Science and Technology, Ahmedabad	2005
Natarajan, C., Jayabalan, P., and Dhanalakshmi, G	Behaviour of cement flyash blocks and masonry prisms	Proceedings of the National Conference on New Perspectives and Paradigm in Materials, Design and Construction of Civil Engineering Systems (NPPCES – 2005)		C.I.T., Coimbatore	2005
Vedalakshmi, R., Palanisamy, N., Natarajan, C., and Jeya, S	The role of F,k& D in durable structures	National Conference on Corrosion 2004 (NACE 2004)		Corcon	2004
Badarinarayan, V.T., Natarajan, C. and Rajaraman, A	A new design methodology for the design of Reinforced concrete components	Furturistics of concrete technology and optimal design of RCC structures		Coimbatore	2002

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

Sivasubramanian, K. Natarajan, C. and Rajaraman, A	The object oriented design for continuous beams and portal frames	Young Scientist Seminar Competition			2002
Natarajan, C	Defects and Rehabilitation in RCC Structures	Proceedings of BAI – PERIYAR one day workshop at Thanjavur	Thanjavur		1998
Natarajan, C	Object Oriented Programming for Structural Design	Proceedings of the National seminar on 'Recent Trends in Concrete and Steel Structures'		I.I.T, Madras	1997
Kamatchi, P., Jayabalan, P., Natarajan, C., Kaleel Rahman, and Sakthi, K	Design of Structural Steel Frames using Object - Oriented Programming Approach	Proceedings of the National Conference on 'Computer Aided Structural Analysis & Design' (NC-CASD 96), Hyderabad		Hyderabad	1996
Kaleel Rahman, Jayabalan, P., Natarajan, C., Kamatchi, P., and Sakthi, K	Design of R.C.C. Framed Structures using Object – Oriented Programming Approach	Proceedings of the National Conference on 'Computer Aided Structural Analysis & Design' (NC-CASD 96)		Hyderabad	1996
Rajalingam, M., Rajaperumal, K., and Natarajan, C	FEM Analysis of an Entrapped Foundation for 30 m Tall Coal Conveyer	Proceedings of the National Symposium on 'Tall		Tiruchirappalli	1995

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

		Structures', Tiruchirappalli			
Vanathy, K., Natarajan, C., Jayabalan, P., and Sakthi, K	Knowledge Based Expert System for Structural floor Systems	Proceedings of the National Symposium on 'Tall Structures', Tiruchirappalli		Tiruchirappalli	1995
Kanthimathinathan, S., and Natarajan, C	Static and Dynamic Analysis of Tall Chimneys	Proceedings of the National Symposium on 'Tall Structures', Tiruchirappalli		Tiruchirappalli	1995
Kanthimathinathan, S., and Natarajan, C	Criteria for Fixing the Geometry of Tall Steel Stacks	Proceedings of the National Symposium on 'Tall Structures', Tiruchirappalli		Tiruchirappalli	1995
Kanthimathinathan, S., and Natarajan, C	Computer – Aided Design of Steel Stacks	Proceedings of the National Symposium on 'Tall Structures', Tiruchirappalli		Tiruchirappalli	1995
Natarajan, C., and Shanmugam, M	Industrial Structures with Precast Concrete	Proceedings of the seminar on "Roofs and Floors		P.S.G. Coll. of Tech., Coimbatore	1984

© Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
C.Natarajan & . Revathi	Matrix methods of analysis Structures-Theory and problems	Prentice Hall of India, New Delhi	2014	ISBN 978-81-203-4900-1
Natarajan,C.,Janardhanam, R., Shen –En Chen & Ryan Schmidt	Indo-US Forensic Practices – Investigation Techniques and Technology	ASCE, USA	2010	ISBN-978-0-7844-1149-0
Natarajan, C., and Remya	Natural Disasters-	InTech	2013	

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

<i>Retnan</i>	Causes, Effects and Mitigation” a chapter “Vulnerability of Reinforced Concrete Structures subjected to Flood (chapter only)	Journal		
Books to be published				
Dr C. Natarajan and Dr. A. Rajaraman	Failure Analysis of Structure	Narosa Publishers, New Delhi		
Dr C. Natarajan	Design of steel Structures (As per revised IS 800)			
Dr C. Natarajan	Detailing of Steel Structures (As per revised IS 800)			
Dr C. Natarajan	R.C.C. Design and detailing of R.C.C. Structures for Practicing Engineers			
Dr C. Natarajan	Planning and Construction of Industrial Structures			
Dr C. Natarajan	Advanced design of concrete structures			
Books under preparation				
Dr C. Natarajan	Repair and Rehabilitation of structures.			
Dr C. Natarajan	Forensic practices in India (case studies)			
Books Reviewed				
1. Design of Steel Structures I and II – NPTEL, IITM, Chennai. 2. Limit State Design of Steel Structures – Oxford University Press India, New Delhi. 3. Strength of Materials - Oxford University Press India, New Delhi. 4. Structural Analysis I & II, Pearson Education, Chennai 5. Principles of Environmental Engineering Science by M.L.Davis –McGraw-Hill Education(I) Pvt. Ltd, Noida, New Delhi.				