

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

Curriculum Vitae



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

1. Name: R Mohan
2. Designation: Assistant Professor
3. Office Address: Dept of Computer Science and Engineering,
NIT Trichy
4. Telephone (Direct) (Optional):
Telephone : 0431-250-3210
Mobile (Optional): 9442421326
5. Email (Primary): rmohan@nitt.edu Email (Secondary):rmohan.nitt@gmail.com
6. Field(s) of Specialization: Software Engineering, Distributed Systems
and Data Structures & Algorithms

7. Employment Profile

Job Title	Employer	From	To
Lecturer	Department of CSE, Sethu Institute of Technology, Madurai	February 2008	October 2014
Programmer	Promen Technologies Pvt Ltd	October 1999	June 2001
Lecturer	Department of CSE, Madha Engineering College	July 2001	January 2003
Lecturer	Department of CSE, College of Engineering, Guindy, Anna University, Chennai	February 2005	January 2006
Lecturer	Department of CSE, Manonmaniam Sundaranar University, Tirunelveli	January 2006	May 2006
Assistant Professor	Department of Computer Science and Engineering, NIT Tiruchirappalli	May 2006	Till date

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

Examination	Board / University	Year	Division/ Grade	Subjects
PhD	National Institute of Technology, Tiruchirappalli.	2014	NA	Computer Science and Engineering
Post Graduation(ME)	Jadavpur University	2004	71.65	Software Engineering
Graduation(BE)	Thiagarajar College of Engineering, Madurai	1998	64.44	Computer Science and Engineering
Higher Secondary	Tamil Nadu state board	1994	84.5	NA
High School	Tamil Nadu state board	1992	61.4	NA

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Assistant Professor	Department of Computer Science and Engineering, NIT Tiruchirappalli	May 2006	Till date
Staff Advisor	Vortex (CSE Department Symposium)	2007,08	2010
Hostel Warden	NIT Trichy	2008	2012
		2016	Till date

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
NIL			

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2011	Certificate of Appreciation	NIT Trichy
2013	Certificate of Achievement	ACM
2015	Certificate of Achievement	ACM

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12. Fellowships

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

13. Details of Academic Work

- (i) Curriculum Development: Data Structure, Algorithms and Software Engineering
(ii) Courses taught at Postgraduate and Undergraduate levels

Year	List of subjects/labs	UG/PG
2012-13	CS449 Comprehensive Viva Voce	UG
	CS307 Software Engineering	UG
	CS 718 Mobile Network Systems	PG
	CS 748 M.Tech Project work Phase - II	PG
2013-14	CS 207 Data structures	UG
	CS 360 Software Design and Practices	UG
	CS208 Introduction to Algorithms	UG
	CS216 Algorithm Lab	UG
	CS 498 Project Work	UG
2014-15	Cs213 Data structures Lab	UG
	CS 455 Mobile Computing	UG
	CS 498 Project Work	UG
	CS652 Network Security	PG
2015-16	CS 201 Data structure and Algorithms	UG
	CS 307 Software Engineering	UG
	CS 213 Data structures Lab	UG

- (iii) Projects guided at Postgraduate level -15
(iv) Other contribution(s)

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
A study of Graph Theory and Applications to Interconnection Networks	UGC			Submitted
Micro Expression Identification and Spotting for Lie detection	DST			Submitted

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15. Number of PhDs guided

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

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

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
08-13 Aug 16	Data Analytics concepts and techniques for business intelligence	National	Participant	NIT Trichy	NIT Trichy
05-09 May 14	Workshop on Computer Networking	National	Participant	IIT Mumbai	IIT Mumbai
22-26 Jan 14	Workshop on Algorithms	National	Participant	NIT Durgapur	NIT Durgapur
25 -30 May 15	Introduction to design of algorithms	National	Participant	IIT, Kharagpur	IIT, Kharagpur
20-21 March 15	International Conference at Chennai	International	Session chair	Chennai Institute of Technology	Chennai Institute of Technology
26 Jun 09	Course on Data Structures	International	Participant	IUCEE	Infosys Mysore Center

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

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
Workshop on cyber security & forensics	National	05to 07 Aug 16	Coordinator	NIT Trichy

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18. Invited Talks delivered

Topic	Date	Inviting Organization
Software Testing	7 th September 16	Shri Vishnu Engineering college for women, Bhimavaram
Software development in Industry perspectives	12 Jan 16	M Kumarasamy College of Engineering
Trends in Computation, communication & Security	2 April 15	Indra Ganesan College of Engineering
IT Solutions with Software Engineering	26 September 14	N.S.N College of Engineering and Technology, Karur
Software Engineering	5-6 September 12	College of Enginnering Trivandrum
Software Testing	18 Feb 10	Periyar Maniammai University
Data Structures	27 March 10	Vel Tech High Tech Dr Sakunthala Engineering College
Software Testing	10 Nov 09	College of Engineering Perumon

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life Time membership	Indian Society for Technical Education	LM 52161 2007

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Malaysia	01 month	TEQIP Foreign Training Programme on “Internet Technology (IPV6)”
Malaysia	12-14 June 12	IEEE International Conference on computer and information science

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21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Mohan, R and N.P. Gopalan	A Modified Parallel Heuristic Graph Matching Approach For Solving Task Assignment Problem in Distributed Processor System	International Journal of Information Technology and Computer Science (IJITCS)	5	78-84	2013	
D. Sriramkumar, R. Malmathanraj, R. Mohan and S. Umamaheswari	Mammogram tumour classification using modified segmentation techniques	Int. J. Biomedical Engineering and Technology	13	218-239	2013	
Mohan, R. and N.P. Gopalan	Dynamic Load Balancing Using Graphics Processors.	International Journal of Intelligent Systems and Applications	6	70-75	2014	
R Mohan and Amitava Gupta	Graph Matching Algorithm for Task Assignment Problem	International Journal of Computer Science, Engineering and Applications	1	105-118	2011	
Mohan, R. and N.P. Gopalan	Task Assignment for Heterogeneous	International Journal of Computer Network and Information	6	50-55	2014	

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	Computing Problems using Improved Iterated Greedy Algorithm	Security				
R.Mohan and NC Ram	A Study of Data Transfer in a Grid using Globus Toolkit	International Journal of Information Systems and Communications	3	143-146	2012	

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Athira A P, Midhula Vijayan, R Mohan	Moving object detection using local binary pattern and Gaussian background model	International Conference on Industry Interactive Innovation in Science, Engineering & Technology (I3SET 2016)	--	Springer	JIS college of Engineering, Kalyani	2016
Athira A P, Midhula Vijayan, R Mohan	Object detection and tracking techniques:A Survey	International Conference on Advanced Computing and Communications(ICACC-2016)	1-7		Shri Vishnu Engineering college for women, Bhimavaram	2016
Midhula Vijayan, Athira A P, R Mohan	Video copy detection using DCT and DWT	National conference on Communication and Computing Technologies	29-33		Anna University Trichy	2016
Athira A P, Midhula Vijayan, R	Review on object detection and tracking	National conference on Communication and Computing Technologies, 2016	6-11		Anna University Trichy	2016

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Mohan	techniques					
Preeth R, R Mohan, Ashwini Kumar Badal	Self Localization and Routing in densely deployed wireless networks using LAS algorithm	ACM International Conference on Informatics and Analytics (ICIA 2016)	--	ACM	Pondicherry Engineering College, Puducherry	2016
Preeth R, R Mohan	Indoor Localization in Wireless Sensor Networks: A Survey	National conference on Communication and Computing Technologies,2016	67-71		Anna University Trichy	2016
Bala Bhaskara Rao Kakarla, Sanjana S., Mohan R	Detecting Micro- Calcification in Digital Mammograms	National Conference on Advanced Pattern Mining and Multimedia Computing			NIT Trichy	2010
Raja Ram Jaiswal,K Geetha, R Mohan	An Intelligent Adaptive Round Robin (IARR) Scheduling Algorithm for Performance Improvement in Real Time Systems	Int. conference on advances in Mechanical Engineering, AETAME	813-819	ELSEVIER	NCR Delhi	2013
Mohan, R. and N.P. Gopalan	Parallel Heuristic graph Matching Algorithm for Task Assignment	IEEE International Conference on Computer & Information Science (ICIS 2012)	575-579	IEEE	Kuala Lumpur, Malaysia	2012

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	Problem in Distributed Computing Systems					
Mohan, R. and A. Gupta	A Parallel Task Assignment using Heuristic graph Matching	First International Conference (PDTCTA 2011)	334-343	Springer LNCS CCIS Proceedings	Tirunelveli, Tamil Nadu	2011

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
Wiliam Stallings	Problem with solutions for Computer Organization and Architecture	Pearson International Edition	2013	978-0-13-293633-0
Kiran Sree Pokkilluri, SSSN Usha Devi Nedunuri, Mohan R	Text Book on Artificial Immune System Based Classifiers	Lambert Publishers	2016	978-3-659-83943-6
Kiran Sree Pokkilluri, SSSN Usha Devi Nedunuri, Mohan R	Text Book on Impact of Artificial Intelligence on Bioinformatics	Lambert Publishers	2016	978-3-659-88202-9