

National Institute of Technology, Tiruchirappalli:

Performa for CV of Faculty/ Staff Members

Curriculum Vitae

Please attach your recent
Photograph

in the form of
softcopy/hardcopy
(Optional)

1. Name: B.Nithya
2. Designation: Assistant Professor
3. Office Address: AP, CSE Dept. NIT, Trichy
4. Telephone (Direct) (Optional):
Telephone : 0431 2503214 Extn (Optional):
Mobile (Optional):
5. Email (Primary): nithya@nitt.edu Email (Secondary)
:bnithyanitt@gmail.com
6. Field(s) of Specialization: Wireless Networks,
Data Structures and Soft Computing

7. Employment Profile

Job Title	Employer	From	To
Assistant Professor	NIT, Trichy	Sep 2009	To till date
Lecturer	NIT, Trichy	June 2007	Aug 2009
Lecturer	Arunai Engineering College	May 2005	Jan 2007

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

Examination	Board / University	Year	Division/ Grade	Subjects
PhD	NIT, Trichy	2015		Wireless Networks
MBA (thro' Dist Education)	Annamalai University	2008	First Class	Business Administration
M.E	Annamalai University	2005	Fist Class with Dist	Computer Science
B.E	Periyar University	2003	Fist Class	Information Technology

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

			with Dist	
HSC	State Board	1999	8.6	Maths & Science

9. Academic/Administrative Responsibilities within the University

1. Faculty Advisor (3rd semester 2007, 4th semester 2008, 5th semester 2008 and 4th semester 2012)
2. Annual Report preparation (2007-08)
3. Faculty Recruitment Process (2008)
4. convocation Duty Registration Committee member (2009,2010,2011,2013,2014,2016)
5. Stock Verification – Physics Department (2009 ,2011,2015) and NIT Hospital (2016)
6. M.Tech, M.Tech QIP, MS and Ph.D Admission Committee member (2008,2009,2010,2011, 2012,2013,2014,2016)
7. Imprest amount Handling (2010,2011,2012)
8. CS101 Basics of Programming – Subject Coordinator (July-Dec 2009) and July-Dec 2016
9. M.Tech Project Committee Member (2009-10 & 2010-11)
10. B.Tech project Committee Member (Jan-June 2012, Jan-July 2017)
11. Guidance cell (Jan 2016)
12. Purchase Initiating Faculty – (i) Digital Systems Lab in 2010 and 2011.
(ii) High End Xerox Machine - 2016

10. Academic/Administrative Responsibilities outside the University : NIL

Position	Institution	From	To

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2006	Best Teacher Award	Arunai Engineering College, Tiruvannamalai, Tamil Nadu

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

12. Fellowships - NIL

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

13. Details of Academic Work

(i) Curriculum Development : 3

(ii) Courses taught at Postgraduate and Undergraduate levels: **PG : 1 Course & 2 Labs**

UG: 11 Courses

(iii) Projects guided at Postgraduate level: 7

(iv) Other contribution(s): Nil

14. Details of Major R&D Projects NIL

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed

15. Number of PhDs guided - NIL

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

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
19 th Nov to 7 th Dec, 2007	Workshop on Linux Administration and Networking Devices	National	Participant	CSE Dept., NIT, Trichy	NIT, Trichy
14 th , 15 th	Workshop on Internet	National	Participant	CSE	NIT,

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

May 2008	Technologies and Tools			Dept., NIT, Trichy	Trichy
7 th July to 12 th July 2008	Training Programme on “ Instructional Design and Delivery System	National	Participant	NITTTR	Chennai
8 th Aug- 10 th Aug, 2008	Workshop On Algorithms			CA Maths Dept ,NITT	NIT, Trichy
7 th June to 11 June 2010	Advanced Web Technologies/ JAVA Technologies/ Microsoft Technologies/Cloud Technologies/Software Engineering	National	Participant	CTS	Chennai
21 st June - 3 rd July 2010	SDP on Recent researches on fuzzy logic & neural networks	National	Participant	Maths & EEE NITT	NITT
18th Feb to 19th Feb 2012	ISTE workshop on ‘Writing Effective Conference Papers	National	Participant	IIT Bombay	SASTRA University
Feb 29- Mar 2, 2012.	Workshop on Engineering Optimization using MATLAB & EXCEL	National	Participant	IIT Guwahati	IIT Guwahati
8 th June 2012	Workshop on Support Vector Machines	National	Participant	MBA , NITT	NIT Trichy
25 th June - 4 th July 2012	ISTE Workshop on Introduction to Research Methodologies	National	Participant	IIT Bombay	NIT Trichy
May 30th to June 4 th , 2016	workshop on Introduction to Cryptology	National	Participant	CSE Dept., NITT	NIT Trichy

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

8 th Aug to 13 th aug, 2016	workshop on Data Analytics concepts and techniques for business intelligence,	National	Participant	CSE Dept., NITT	NIT Trichy
---	---	----------	-------------	-----------------	------------

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
Cyber Security and Forensics – TEQIP Sponsored Workshop	National	5 th Aug-7 th Aug, 2016	Co-ordinator	NIT, TRichy

18. Invited Talks delivered

Topic	Date	Inviting Organization
Programming & Data Structures _ II	12-09-2016	MRK Institute of Technology, Kattumannarkoil.

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life Member	CSI	

20. Academic Foreign Visits - NIL

Country	Duration of Visit	Programme

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

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
B.Nithya and C.Mala	Adaptive Contention Control Mechanism to enhance Wireless Network Performance under Saturated and Unsaturated Condition	Symbiosis Centre For Information Technology Journal	Vol .13	13–24	2013	
C.Mala and B.Nithya	Performance Evaluation of IEEE 802.11 Contention Control Mechanisms using Polygonal Sequences	International Journal of Computer Systems, Science and Engg.	Vol .29, No. 6	391-407	2014	
Nithya, B. and Mala, C	Channel Status based Sliding Contention Window (CS-SCW) algorithm: A Fuzzy Control Approach for Medium Access in Wireless Networks	Soft Computing		1-14	2015	
M. Devipriya, B. Nithya and C. Mala	Hashing Based Distributed Backoff (HBDB) mechanism for IEEE 802.11 Wireless networks	<i>Journal of Internet Services and Information Security</i>	vol. 5, no. 3	1-18	2015	

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
B.Nithya, Ashok Kumar Alluri and C.Mala	Energy Efficient Multi Channel MAC Protocols for Wireless AdHoc Networks	LNCS Communications in Computer and Information Science	358-367	Third International Conference on Wireless & Mobile Networks	Chennai	2011

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

		(CCIS) Series		(WiMoN 2011)		
B.Nithya,C. Mala, and B.Vijay Kumar	Dynamic DCF Backoff Algorithm(DDBA) for Enhancing TCP Performance in Wireless Ad Hoc Networks	Advances in Computer Science, Engineering and Applications: Springer Berlin Heidelberg	257-266	Second International Conference on Computer Science, Engineering and Applications (ICCSEA 2012),	New Delhi	2012.
B.Nithya, C.Mala and Vijay kumar B	Impact of contention window on Congestion control algorithms for Wireless adhoc networks	CS & IT-CSCP	159-170	Fourth International Workshop on Wireless & Mobile Networks (WiMo-2012)	Coimbatore	2012
B. Nithya and C. Mala and Vijay Kumar.B,	Simulation and Performance Analysis of Various IEEE 802.11 Backoff Algorithms	Procedia Technology, Elsevier	840-847	""', International Conference on Communication, Computing and Security	Rourkela	2012
Nithya, B.; Mala, C	A Novel Cross Layer Approach to Enhance QoS Performance in Multihop Adhoc Networks	<i>IEEE Explore</i> -Conference Publishing Service (CPS). <i>e</i>	229-236	<i>International Conference on Network-Based Information Systems</i>	Italy	2014
Mala, C.; Nithya, B	Dynamic Sliding Contention Window Adjustment in Saturated Wireless Networks	<i>IEEE Explore</i> -Conference Publishing Service (CPS).	186-193	<i>International Conference on Network-Based Information Systems</i>	Italy	2014

(C) Books & Monographs - NIL

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