

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 SUDHA.V
2. Designation: Assistant Professor
3. Office Address: Department of ECE
NIT, Trichy-15
4. Telephone (Direct) (Optional): 0431-2503319
Telephone : Extn (Optional):
Mobile (Optional): 9443608785
5. Email (Primary): vsudha@nitt.edu Email (Secondary) :
6. Field(s) of Specialization: Communication Systems
7. Employment Profile

Job Title	Employer	From	To
Lecturer	Oxford Engineering College, Tiruchirappalli, Tamilnadu.	2000	2005
Senior Lecturer	Oxford Engineering College, Tiruchirappalli, Tamilnadu.	2005	2006
Assistant Professor	Oxford Engineering College, Tiruchirappalli, Tamilnadu.	2006	2007
Lecturer	National Institute of Technology, Tiruchirappalli-15	2007	2009
Assistant Professor	National Institute of Technology, Tiruchirappalli-15	2010	Till date

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

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D(Pursuing)	NIT, Trichy-15			Digital Communication
M.E	Anna University	2004-2006	First Class	Communication systems.

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B.E	Bharathidasan University.	1996-2000	First Class	Electronics and communication Engineering.
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9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Faculty Advisor For U.G &P.G (V&VI sem ECE) M.Tech-VLSI(Isem) Communication systems (II sem)	ECE /NITT	2007	Till date 2011
Ph.D/M.S Admission Committee member	ECE/NIT	2008	Till date
Convocation Committee member	ECE/NITT		
Lab in-charge	ECE/NITT	2007	Till date
Stock verification officer	CIVIL/NITT	2014	2015
	Chemistry/NITT MCA/NITT	2015	2016
NBA Committee member	ECE/NITT	2014	Till date

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
Guest Lecture	Anna university, Trichy		

11. Awards, Associateships etc.-----

12. Fellowships-----

13. Details of Academic Work

- (i) Curriculum Development- Syllabus updated based on industrial requirements.
- (ii) Courses taught at Postgraduate and Undergraduate level:

- Electronic Devices and Circuits.
- Analog Integrated circuits.
- Applied Electronics.

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- Transmission lines and waveguides.
- Communication circuits.
- Communication systems (for other department)
- Principles of communication systems.
- Basics of Electrical and Electronics Engineering.(First year UG)
- Mobile Communication.
- Programming in C and C++.(First year U.G)
- Digital System Design. (PG)
- Advanced Digital Communication System.(PG)

Laboratory course handled:

- Communication Engineering Lab.
- Analog Integrated Circuits Lab.
- Programming Lab.

(iii)Projects guided at Postgraduate level:

No. of M. Tech. projects guided/guiding:09/1

(iv)Other contribution(s)

14. Details of Major R&D Projects-----

15. Number of PhDs guided-----

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
4th - 14th June 2013	Analog Electronics	National Level	Participant	IIT Kharagpur	NITT
Jan 2nd - 12th Jan	Attended two week workshop on Signals	National Level	Participant	IIT Kharagpur	NITT

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2014	and Systems				
28th and 29th April 2015	TEQIP Sponsored conclave			NITT	NITT

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
One Day Workshop on “WiMAX, 3G- Applications in Wireless Technologies ”under TEQIP community services	National Level	2.11.2007	Co-ordinator	NIT,Trichy- 15

18. Invited Talks delivered-----

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life Member	Inn Society for Technical Education (ISTE) IIT(D).	No:56996 Year:2008

20. Academic Foreign Visits----

Country	Duration of Visit	Programme

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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)
Sudha, V., & Sriram Kumar, D	Low Complexity Hybrid Scheme for PAPR Reduction in OFDM Systems Based on SLM and Clipping.	International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering.	10(4)	519-523	2016	
Sudha, V., & Sriram Kumar, D	Low Complexity Peak-to-Average Power Ratio Reduction in Orthogonal Frequency Division Multiplexing System by Simultaneously Applying Partial Transmit Sequence and Clipping Algorithms	International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering,	9(4)	465-471	2015	
Sudha, V., & Kumar, D. S.	Peak-to-Average Power Ratio Reduction of OFDM Signals by Applying Low Complexity SLM and Clipping Hybrid Scheme.	International Journal on Electrical Engineering and Informatics. (SCOPUS Indexed).	6(2)	394-403	2014	
Jaibir singh & V.Sudha	Transmission performance Analysis of RoF System using EDFA and SOA		Vol-1, Issue-4.	98-102	2013	

(B) Conferences/Workshops/Symposia Proceedings

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Autor(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Sudha.V, SamathaMahes ula and D. SriramKumar	PAPR Reduction in SLM-OFDM using Lehmer Random Number Generator	12 th IEEE India International Conference INDICON- 2015		Signal Processing	Jamia Millia Islamia, New Delhi,India	2015
Sudha, V. ,BhukyaAnilku mar, M.S.Samatha and D. Sriramkumar	A Low- Complexity Modified SLM with New Phase Sequences for PAPR Reduction in OFDM System	12 th IEEE India International Conference INDICON- 2015		Signal Processing	Jamia Millia Islamia, New Delhi,India	2015
Sudha, V., Bhukya Anilkumar, and D. Sriramkumar	Low-complexity modified SLM method for PAPR reduction in OFDM systems	Electronics and Communication Systems (ICECS), 2015 2nd International Conference on. IEEE, 2015.			Karpagam College of Engineering, Coimbatore Tamilnadu	2015
Sudha, V., and D. Sriram Kumar	PAPR reduction of OFDM system using PTS method with different modulation techniques	Electronics and Communication Systems (ICECS), 2014 International Conference on. IEEE,2014			Karpagam College of Engineering, Coimbatore Tamilnadu.	2014
Sudha, V., Sneha Balan, and D.Sriram Kumar D.	Performance analysis of PAPR reduction in OFDM system with distortion and distortion less methods	Computer Communication and Informatics (ICCCI), 2014 International Conference on. IEEE, 2014.			Shakthi Institute of Technology Coimbatore Tamilnadu.	2014
Reddy, D., V. Sudha, and D. Sriramkumar	Low complexity PAPR reduction in OFDM using both selective mapping and clipping methods.	IEEE International conference on Communications and signal processing (ICCSP2014)			Melmaruvat hur, Tamilnadu.	2014
P.Praveen kumar, V.Sudha	“Compact CPW- Fed Inverted U Shaped Antenna for WLAN Applications”	International conference on Information, Signal andCommunication(ICI SC-2011),	ppno.23		New Vallabh Vidyanagar, Gujarat, India.	2011
V.Sudha, Rashmi Gyawali,	Full Duplex Data And Video Signal Over Single Mode Fiber	International Conference On Advances In Computer Engineering (Ace-2010)	Pp.173- 177		Bangalore, India.	2010

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(C) Books & Monographs

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