

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



Curriculum Vitae

Brief Profile:

Dr.N.Gunavathi is working as **Associate Professor**, Electronics and Communication Engineering, National Institute of Technology, Tiruchirappalli, Tamilnadu, India. She received Ph.D in Engineering from National Institute of Technology, Trichirappalli, Tamilnadu in the year 2016. M.E. & B.E degree from Madurai Kamaraj University, Tamilnadu, India in 1998 and 1997 respectively. She is in the teaching profession for 25 years. Published more than 20 papers in International Journals and more than 23 papers in International Conferences. Lifetime member of IETE. Her research area of interest includes SAR Reduced Mobile Handset Antennas, Metamaterial Inspired Planar Antennas, SIW BPF Filter for Satellite Communication, Dual Band/Multiband Antenna For 5G Applications and FSS for THz Applications.

1. Name : **N.GUNAVATHI**
2. Designation : Associate Professor
3. Office Address : Department of Electronics and Communication Engineering, NIT, Tiruchirappalli-15
4. Telephone (Direct) (Optional) : 0431 250 3315
Telephone : 0431 250 3315
Extn(Optional):
Mobile (Optional) : 9489536873
5. Email (Primary):gunavathi@nitt.edu Email (Secondary) :
6. Field(s) of Specialization : Planar antenna, Metamaterial Inspired Antennas, SIW Band Pass Filters and FSS for THz Applications
7. Employment Profile

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

Job Title	Employer	From	To
Associate Professor	National Institute of Technology, Tiruchirappalli, Tamil Nadu	11-03-2024	Till date
Assistant Professor (Grade – I AGP 8000)	National Institute of Technology, Tiruchirappalli, Tamil Nadu	12-03-2018	10-03-2024
Assistant Professor (Grade – II AGP 7000)	National Institute of Technology, Tiruchirappalli, Tamil Nadu.	14-04-2011	11-03-2018
Assistant Professor (Grade – II AGP 6000)	National Institute of Technology, Tiruchirappalli, Tamil Nadu.	13-04-2006	13-04-2011
Senior Lecturer	Saranathan College of Engineering, Tiruchirappalli, Tamil Nadu.	28.06.2000	12.03.2006
Lecturer	Jeyaram College of Engineering and Technology, Tiruchirappalli, Tamil Nadu.	04.01.1999	26.06.2000

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

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D	National Institute of Technology, Tiruchirappalli, Tamil Nadu.	2011-2016		Title: Investigation on CPW-fed Microwave planar Antennas
M.E	Alagappa Chettiar Government College of Engineering and Technology, Karaikudi, Tamilnadu.	1997-1998	First Class	Microwave and Optical Engineering
B.E	RVS College of Engineering and Technology, Dindigul, Tamilnadu affiliated to Madurai Kamaraj University, Madurai.	1993-1997	First Class	Electronics and Communication Engineering

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Institute level Anti-	National Institute of Technology,	July 2023	Till date

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

ragging Quad member-OPAL Zone	Tiruchirappalli, Tamil Nadu		
NSS officer	National Institute of Technology, Tiruchirappalli, Tamil Nadu	23-07-2018	21.09.2020
Microwave Electronics Lab In-Charge	ECE/ National Institute of Technology, Tiruchirappalli, Tamil Nadu	01-06-2011	Till date
Microwave Planar Antenna and Filter Design Laboratory	ECE/ National Institute of Technology, Tiruchirappalli, Tamil Nadu	2021	Till date
PAC Chairman (7 Semesters)	National Institute of Technology, Tiruchirappalli, Tamil Nadu	01.01.2017	Till date
Course Co.ordinator (Institute Common course -Ph.D)	National Institute of Technology, Tiruchirappalli.	06-07-2016	31-12-2017
Course Co.ordinator (Institute Common course –Ph.D)	National Institute of Technology, Tiruchirappalli.	03-02-2017	30-06-2017
DC members	MBA/ECE, National Institute of Technology, Tiruchirappalli, Tamil Nadu	01.12.2016	Till date
BOS member	ECE, National Institute of Technology, Tiruchirappalli, Tamil Nadu	13.04.2006	Till date
Stock Verification Officer	CA Dept., NIT	For the year 2005-2008	
Stock Verification Officer	CA Dept., NIT	For the year 2010-2011	
Stock Verification Officer	CA Dept., NIT	For the year 2011-2012	
Stock Verification Officer	Physics Dept., NIT	For the year 2013-2014	
Stock Verification Officer	CA Dept., NIT	For the year 2014-2015	
Convocation Committee Member	National Institute of Technology, Tiruchirappalli	2006 (except 2016)	30.07.2018
UG Project Coordinator	ECE Dept., National Institute of Technology, Tiruchirappalli	01-01-2014	30.06.2018
Class Coordinator (Various classes)	ECE Dept., National Institute of Technology, Tiruchirappalli	01-07-2008	30.05.2018
Ph.D Admission Committee Member	ECE Dept., National Institute of Technology, Tiruchirappalli	09-06-2006	31.12.2015
Staff in-charge – ECE	National Institute of Technology,	July 2010	August 2010

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

department First year orientation Program	Tiruchirappalli		
Purchase of committee(furniture) member for SJB building (New)	National Institute of Technology, Tiruchirappalli	June 2017	Till date

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
Teaching Faculty	IIT, Srirangam, Tamilnadu	July 2016	Dec 2016
Teaching Faculty	IIT, Srirangam, Tamilnadu	January 2017	June 2017
Indian Examiner (Thesis Evaluation and Viva -voce) (Ph.D Thesis)	Sathiyabama University, Chennai	August 2018	Sep 2018
Question paper setter	VFSTR, Deemed to be University, Guntur, Andhra Pradesh., Vivekanandha College of Engineering for Women Tiruchengode. EMD college..., etc	2010	Till date
Conference chair (Advances in Computers, Communication and Informatics –NCACCI-2010	V.L.B. Janakiammal college of engineering and Technology,	4 th March 2010	4 th March 2010
DC member	Anna university research scholar and VIT ..	January 2021	Till date

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2022	Best Performer Award	National Institute of Technology, Tiruchirappalli, Tamil Nadu.

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
2021	SRF-DIRECT – Ph.D Scholar	CSIR	June 2021	June 2023

13. Details of Academic Work

(i) Curriculum Development

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

1. Involved in revising the syllabus for Communication System Course
2. Involved in revising the syllabus for Principles of Communication System
3. Involved in revising the syllabus for Digital Communication Course
4. Involved in revising the syllabus for Communication switching systems course
5. Involved in procuring stools for developing Microwave laboratory, DSP laboratory and Microprocessor laboratory
6. Involved in procuring DSO for Electronics circuit and Microwave laboratory
7. Involved in procuring Microwave test bench (8 set up – Above 5 Lakhs)
8. Involved in A/C maintained for old Microwave laboratory

(ii) Courses taught at Postgraduate and Undergraduate levels

Sl.No.	Subject
1.	Analog Communication
2.	Principles of Communication
3.	Communication Techniques
4.	Digital Communication
5.	Engineering Electromagnetics
6.	Electronic Circuits
7.	Applied Electronics
8.	Analog VLSI
9.	Basic Electrical and Electronics Engineering
10	Communication systems (EEE)
11.	Microwave Electronics
12	Digital Electronics
13	Linear Integrated circuits
14	Satellite Communication
15	Applied Electronics Laboratory
16	Microwave Laboratory
17	Communication Laboratory
18	Fibre optics laboratory

(iii) Projects guided at Postgraduate level

S.No	Title	Student Name	Year
40	Reconfigurable MIMO Antennas for 5G Applications	Ganesh Naidu Marrapu (208121005)	May 2023
39	Substrate Integrated Waveguide Based Antenna for Biomedical Applications	Priyanshu Pandey ((208121018)	May 2023

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

38	Filtenna With Defected Structure for 5G Applications	Sai HaneeshaTanguturu (208121028)	Dec 2022
37	Metamaterial Based Antenna for Biomedical Applications	Priyanshu Pandey (208121018)	Dec 2022
36	Performance Analysis of Affine Fourier Transform (AFT) and orthogonal Time frequency Space (OTFS) for Multicarrier System.	Ram Vinay Kumar	May 2022
35	Implementation and Improvement of 65nm and 45 nm process nodes	S. Revanth Goud	May 2022
34	Comparison of BER for OTFS and OFDM and analysis of SLM in PAPR reduction technique	Ram Vinay Kumar	Dec 2021
33.	Metamaterial Inspired Antenna for Dual band Application	S. Revanth Goud	Dec 2021
32	Optimization of reflect beamforming at reconfigurable intelligent surface for 6G future wireless networks	Talluri venkata krishna	May 2021
31	Configurable Shift and rotate logic for data packetization.	Kurakula Mani Maalika	May 2021
30	Reconfigurable intelligent surfaces (RIS) for 6g; ris as access point.	Talluri venkata krishna	Dec 2020
29	Design of sub-6GHz dual band MIMO antenna for 5G smartphones.	Kurakula Mani Maalika	Dec 2020
28	Multi frequency millimeter-wave massive MIMO communication for 5G systems	Koralapati praneeth	May 2020
27	A 10 PORT MIMO Antenna For 5G NR Smartphones in the Sub-6GHz	Phad ravi namdev	May 2020
26	Filter Bank Multicarrier Modulation for 5 th Generation Wireless Systems	Korlapati praneeth	Dec 2019
25	Design of Wideband MIMO Antenna for 5G Smartphones	Phad Ravi Namdev	Dec 2019
24	SIW Fed Linear Tapered Slot Antenna with Enhanced Gain and Directivity for Inter-Satellite Communication	Pitta Vineel Anvith	May 2019
23	Multiuser Spectral Precoding for OFDM based Cognitive Radio	M.Priya	May 2019
22	Deployment and Orchestration of VMs in a Distributed NFV Marketplace with	Pitta Vineel Anvith	Dec 2018
21	Electromagnetic Shielding Using Tunable FSS for 5G Devices	M.Priya	Dec 2018
20	A Planar Ultra Wide Band Circular Patch Antenna for Early Diagnosis of Breast Cancer	Manne Kiranmai	May 2018

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

19	A Low Profile High Gain SIW Antenna for Ku-Band Applications	Kalla Sunil Kumar	May 2018
18	Metamaterial loaded Planar Monopole antenna with Notch Characteristics for UWB Applications	Manne Kiranmai	Dec 2017
17	A Compact Metamaterial loaded Substrate Integrated Waveguide Horn Antenna for Ku Band Applications	Kalla Sunil Kumar	Dec 2017
16	Design and Analysis of TEM Horn Antenna for GPR Applications	Surendra Kota	May 2017
15	Investigations on Dielectric Resonator Antenna	Surendra Kota	Dec 2016
14	Design of Planar Antennas for UWB and Multiband Applications	Roopesh Dehariya	May 2016
13	Design of Miniaturized Multiband ACS-Fed Antennas with Low AR for GSM,WLAN and WiMax Applications	Roopesh Dehariya	Dec 2015
12	Triple Band Patch Antenna Based on SRR for WLAN/Wimax Applications	T.Bhuvaneswari	May 2015
11	Checking Performance Test for Fresh Subassembly Inspection on Facility(FSIF) Elevation using Optical System	T.Bhuvaneswari	Dec 2014
10	Performance Analysis and comparison of Nanomaterials Based Antennas for THz Communications	P.Sriram	May 2014
9	Performance Analysis and Comparison of Nanomaterials Based Dipole Antennas for THz Communications	P.Sriram	Dec 2014
8	A Novel Compact CPW Fed Slot Antenna for UWB Applications	Chavva Subba Reddy	May 2013
7	A Novel Compact CPW – Fed Slot Antenna for Broad Band Applications	Chavva Subba Reddy	Dec 2012
6	Improved Tomlinson- Harashima Precoding With Interference Optimization	M.Sai Chand	May 2012
5	Soft Linear Precoding for the Downlink of DS- CDMA Communication Systems	M.Sai Chand	Dec 2011
4	A Compact High Gain CPW-Fed Slot Antenna for WLAN/WiMAX Applications	Kareemulla shaik	May 2011
3	Compact High Gain CPW- Fed Slot Antenna for WiMax/WLAN Application	Kareemulla shaik	Dec 2010
2	Compact CPW- Fed Triangular and Sleeve Shaped Antennas for WiMax Applications	Uma Shrestha	May 2010

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

1	Effect of XPM in Presence of CD in WDM Optical Systems	Uma Shrestha	Dec 2009
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(iv) Other contribution(s):

- a. ESTABLISHMENT OF MICROWAVE PLANAR ANTENNA FILTER DESIGN LABORATORY**
- b. ESTABLISHMENT OF MICROWAVE ELECTRONICS LABORATORY**
- c. UG project Coordinator
- d. Convocation committee member
- e. UG/M.Tech admission work
- f. Ph.D. admission work
- g. Class Coordinator
- h. Invigilation duty assigned by the HoD/ECE [Temporary faculty, AR post etc.]
- i. Stock verification officer
- j. Subject Coordinator – Institute common course (Ph.D)
- k. NBA committee member
- l. DC members (Anna university /VIT vellore)

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Investigation on Metamaterial loaded Substrate Integrated Waveguide (SIW) Filters for C/Ku band Applications [Investigator]	CSIR	2021	2023	Completed
LC Band Pass Filter for Space Technology [Co-Investigator]	ISRO UNDER S-TIC, NIT, Tiruchirappalli	2021	2023	Completed
Design and Development of Ferrite Dielectric Based Microstrip Isolator for X – Band Applications [Co-Investigator]	ISRO UNDER S-TIC, NIT, Tiruchirappalli	2021	2023	Completed
Dense Deployable Massive MIMO antenna system for 5G wireless communications with reduced correlation/	MHRD (IMPRINT)	2019	2024	Ongoing

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

mutual coupling [Co-Investigator]				
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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/Viva_Voce
S.Prasad Jones Christydass	Investigation on metamaterial inspired planar antenna for wireless applications	Supervisor	January 2022
P.Rajalakshmi	Investigation on miniaturized metamaterial inspired antenna for Wi-Fi and 5G applications	Supervisor	January 2022
N.Praveena	Design and Analysis of Substrate Integrated Waveguide (SIW) Filters	Supervisor	November 2023
G.Soundarya	Investigation on Metamaterial loaded Substrate Integrated Waveguide (SIW) Filters for C/Ku band Applications	Supervisor	November 2023
V.Manimala	Investigation on Half mode Substrate Integrated Waveguide (SIW) Filters for satellite communication	Supervisor	On-going
R.Kiruthika	RF MEMS based Reconfigurable Antenna for Biomedical Applications	Supervisor	On-going

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
04.03.2010	(Advances in Computers, Communication and Informatics –NCACCI-2010	National	Chairperson	V.L.B. Janakiammal college of engineering and Technology,	Coimbatore, Tamilnadu
21.12. 2009	ICMARs	International	Speaker		Rajasthan

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

14.12. 2009	IEEE International Conference on - Applied Electromagnetic Conference 2009 (IEEE–AEMC- 2009)	International	Paper presenter	IEEE chapter,	Kolkata, India
23.12. 2009	IEEE - INDICON 2009	International	Paper presenter	IEEE chapter,	Gujarat, India
July 2010	IEEE International conference on Computing, Communication & Networking Technologies	International	Paper presenter	IEEE chapter,	Karur, Tamil Nadu, India
7-9.12.2012	IEEE – INDICON 2012	International	Paper presenter	IEEE chapter,	Kerala, India
13-14.2.2014	International Conference on ELECTRONIC S AND COMMUNICA TION SYSTEMS (IEEE-ICECS 2014)	International	Paper presenter	IEEE chapter,	Coimbatore
5 th to 6 th Aug 2010	Research Methods	National	Participant	NIT, Trichy-15	NIT, Trichy-15
13 th -17 th July 2010 (1 week)	Recent Trends in Microwave Integrated Circuits. (Sponsored by AICTE-MHRD)	National	Participant	NIT, Trichy-15	NIT, Trichy-15
21 st June to 3 rd July 2010 (2 weeks)	Recent Researches on Fuzzy Logic and Neural Networks. (Sponsored by AICTE-MHRD)	National	Participant	NIT, Trichy-15	NIT, Trichy-15
15 th to 27 th June,2009	Engineering Practices on	National	Participant	NITT (Department	NITT (Department of

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

(2 weeks)	Fuzzy Logic, Neural Networks and Hybrid Intelligent Systems. (Sponsored by AICTE-MHRD)			of Mathematics and EEE)	Mathematics and EEE)
19 th to 31 st January 2009 (2weeks)	Web based systems: Development and Applications. (Sponsored by AICTE-MHRD)	National	Participant	NITT(Department of Computer Application)	NITT(Department of Computer Application)
7 th to 9 th November 2008	Digital Image and Video Processing	National	Participant	NITT (Department of Computer Applications and Mathematics)	NITT (Department of Computer Applications and Mathematics)
19 th July,2008	Potential of UWB wireless technology (under TEQIP Community Services)	National	Participant	NITT (Department of Electronics and Communication Engineering)	NITT (Department of Electronics and Communication Engineering)
21 st to 27 th Aug 2008 (1 week)	Induction training Programme on “Instructional Design And Delivery” (Sponsored by MHRD)	National	Participant	National Institute of Technical Teachers Training &Research, Chennai.	National Institute of Technical Teachers Training &Research, Chennai.
16 th to 28 th June,2008 (2weeks)	AICTE –MHRD Sponsored Staff Development Program on FUZZY LOGIC : THEORY AND ENGINEERING PRACTICES	National	Participant	NITT (Department of Production Engineering and Mathematics)	NITT (Department of Production Engineering and Mathematics)

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

12 th -25 th May,2008 (2 weeks)	AICTE – ISTE Sponsored Staff Development Program on VLSI Technology and Embedded systems	National	Participant	GCT, Coimbatore	GCT, Coimbatore
17 th April,2008	Biologically Inspired Algorithms for DSP Applications(un der TEQIP Community Services)	National	Participant	NITT (Department of Electronics and Communicati on Engineering	NITT (Department of Electronics and Communication Engineering
15 th March, 2008	X – Ray Diffraction Analysis (XRD) & Intellectual Property Rights (IPR)	National	Participant	NITT (Department of Physics)	NITT (Department of Physics)
11 th and 12 th March, 2008	Applications of Information Technology Tools in Manufacturing	National	Participant	NITT (Department of Production Engineering)	NITT (Department of Production Engineering)
18 th and 19 th December, 2007	Special Topics in Microwaves	National	Participant	NITT (Department of Electronics and Communicati on Engineering)	NITT (Department of Electronics and Communication Engineering)
2 nd November,2007	WiMAX,3G - Applications in Wireless Technology	National	Participant	NITT (Department of Electronics and Communicati on Engineering)	NITT (Department of Electronics and Communication Engineering)
28 th and 29 th September,2007	Electronic Circuit Design Techniques	National	Participant	NITT (Department of Electrical and Electronics Engineering)	NITT (Department of Electrical and Electronics Engineering)

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

29 th -31 st Dec ember ,2006 (3 Days)	VLSI Implementation of Digital Radio Transceivers	National	Participant	NITT (Department of Electronics and Communicati on Engineering)	NITT (Department of Electronics and Communication Engineering)
7 th October,2006	Microwave Integrated Circuit Components – Design, Layout and Fabrication	National	Participant	NITT (Department of Electronics and Communicati on Engineering)	NITT (Department of Electronics and Communication Engineering)
24 th to 10 th December 2000 (17 Days)	Architecture, Programming & Applications of Digital Signal Processors	National	Participant	Regional Engineering College,Trich y-15 (NITT) (Department of Electronics and Communicati on Engineering)	Regional Engineering College,Trichy- 15 (NITT) (Department of Electronics and Communication Engineering)

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
CAD Based Modelling of Analog and Digital Communication Techniques	National	05.10.2021 to 09.10.2022	Coordinator	National Institute of Technology, Tiruchirappalli, Tamil Nadu
Communication Techniques and Antenna Design	National	06.01.2020 to 10.01.2020	Coordinator	National Institute of Technology, Tiruchirappalli, Tamil Nadu
Modern Techniques for Wireless Communication Networks and Signal Processing	National	19.08.2019 to 23.08.2019	Coordinator	National Institute of Technology, Tiruchirappalli,

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

				Tamil Nadu
CAD Based Modelling of Optical Fibers and Photonic Devices for Communication, Sensing, and Industrial Applications.	National	10.06.2019 to 14.06.2019	Coordinator	National Institute of Technology, Tiruchirappalli, Tamil Nadu
Recent Trends in Microwave Integrated Circuits	National	13-07-2010 to 17-07-2010	Coordinator	National Institute of Technology, Tiruchirappalli, Tamil Nadu
Analog and Digital Communication Techniques	National	08-11-2017 to 12-11-2017	Coordinator	National Institute of Technology, Tiruchirappalli, Tamil Nadu
Evolution of Mobile Communication	National	15-11-2017 to 19-11-2017	Coordinator	National Institute of Technology, Tiruchirappalli, Tamil Nadu
Computer Networks and Protocols	National	04-12-2017 to 08-12-2017	Coordinator	National Institute of Technology, Tiruchirappalli, Tamil Nadu

18. Invited Talks delivered

Topic	Date	Inviting Organization
BER of Basic Digital Modulation Techniques	23.09.2022	M.I.E.T. Engineering College, Tiruchirappalli, Tamil Nadu.
Analog Communication Techniques	19.11.2019	IIT, Tiruchirappalli, Tamil Nadu
Recent Trends in Communication	28.02.2019	K Ramakrishnan College of Technology, Tiruchirappalli, Tamil Nadu
Electronic devices	2016	IIT, Tiruchirappalli, Tamil Nadu (Teaching faculty)
Electronic circuits	2017	IIT, Tiruchirappalli, Tamil Nadu (Teaching faculty)

19. Membership of Learned Societies

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

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life Member	Indian Society for Technical Education (ISTE) IIT(D).	2018
Life member	IEEE	Applied

20. Academic Foreign Visits

Country	Duration of Visit	Programme
-	-	-

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Vol. (No.)	Page No.	Year	Impact Factor of the Journal (Optional)
N.Praveena and N.Gunavathi	High Selectivity SIW Cavity Bandpass Filter Loaded CSRR with Perturbing Vias for Sub-6GHz Applications	Progress in Electromagnetics Research Letters	109	103-110	2023	
G.Soundarya and N.Gunavathi	Ku-Band SIW Filter with High Fractional Bandwidth Optimized Using Feed Forward Back Propagation ANN	IETE Journal of Research			2023	
N.Praveena and N.Gunavathi	Realization of dual-mode, high-selectivity SIW cavity bandpass filter by perturbing circular shape vias	Applied Physics A	128		2022	
N.Praveena and N.Gunavathi	High Selectivity Dual-mode Substrate Integrated Waveguide Cavity Bandpass Filter Loaded using CCSRR	Journal of Circuits, Systems and Computers			2022	

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

G.Soundarya N.Gunavathi	A survey of substrate integrated waveguide band pass filter development	Microwave Journal	64		2021	
G.Soundarya N.Gunavathi	Compact Dual-Band SIW Band Pass Filter Using CSRR and DGS Structure Resonators	Progress in Electromagnetics Research Letters	101	79-87	2021	1.36
P.Rajalakshmi N.Gunavathi	Hexagonal Split Ring Resonator Enclosed Circular Split Ring Resonator Inspired Dual-band Antenna for Sub-6GHz 5G NR and IEEE 802.11ba/be Applications	Progress in Electromagnetics Research C	115	1-15	2021	1.478
Prasad Jones Christydass Sam, N. Gunavathi	Dual-Band Complementary Split-Ring Resonator Engraved Rectangular Monopole for GSM and WLAN/WiMAX /5G Sub-6 GHz Band (New Radio Band)	Progress in Electromagnetics Research C	113	251-263	2021	1.478
Prasad Jones Christydass Sam, N. Gunavathi	Octa-Band Metamaterial Inspired Multiband Monopole Antenna for Wireless Application	Progress in Electromagnetics Research C	113	97-110	2021	1.478
Prasad Jones Christydass Sam, N. Gunavathi	A tri-band monopole antenna loaded with circular electric-inductive-capacitive metamaterial resonator for wireless application	Applied Physics A	126(774)	-	2020	2.584
G.Soundarya N.Gunavathi	Low Loss and High-Power Substrate Integrated Waveguide for High Speed Circuits	Microwave Journal	63(4)	1-7	2020	0.306
P.Rajalakshmi N.Gunavathi	Compact Modified Hexagonal Spiral Resonator Based Tri-Band Patch Antenna with Octagonal Slot for Wi-Fi/WLAN Applications	Progress in Electromagnetics Research C	106	77-87	2020	1.478
P.Rajalakshmi N.Gunavathi	Compact Complementary Folded Triangle Split Ring Resonator Triband Mobile Handset Planar Antenna for Voice and Wi-Fi Applications	Progress in Electromagnetics Research C	91	253-264	2019	1.478
P.Rajalakshmi N.Gunavathi	Gain enhancement of cross shaped patch antenna for IEEE 802.11ax Wi-Fi Applications	Progress in Electromagnetics Research Letters	80	91-99	2018	1.36

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

N.Gunavathi D.Sriram Kumar	Estimation of resonant frequency and bandwidth of compact unilateral coplanar waveguide-fed flag shaped monopole antennas using artificial neural network	Microwave and Optical Technology Letters	57(2)	337-342	2014	0.948
N.Gunavathi D.Sriram Kumar	CPW-Fed Monopole Antenna with Reduced Radiation Hazards towards Human Head using Metallic Thin- Wire Mesh for 802.11ac Applications	Microwave and Optical Technology Letters	57(11)	2684-2687	2015	0.948
N.Gunavathi D.Sriram Kumar	Miniaturized Unilateral Coplanar Waveguide-fed Asymmetric Planar Antenna with Reduced Radiation Hazards for 802.11ac Applications	Microwave and Optical Technology Letters	58(2)	338-343	2015	0.948

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Venue	Year
Ms. N. Gunavathi, Ms. R. Pandeewari and Dr. S. Raghavan	A CPW – Fed Cross – Shaped Monopole Antenna for 5 GHz WLAN and Higher Band UWB Applications	IEEE International Conference on -Applied Electromagnetic Conference 2009 (IEEE-AEMC- 2009)	Kolkata, India	2009
Ms. N. Gunavathi, Ms. R. Pandeewari and Dr. S. Raghavan	A CPW – Fed Octagon– Shaped aperture Antenna for Lower Band UWB Applications	IEEE - INDICON 2009,	Gujarat, India	2009
Ms. N.Gunavathi, Ms. R. Pandeewari and Dr. S. Raghavan	A CPW-fed Flower Shaped Band-Notched Monopole Aperture Antenna for UWB Applications	IEEE International conference on Computing, Communication & Networking Technologies	Karur, Tamil Nadu, India	2010
Ms. N. Gunavathi and Dr.S. Raghavan	A CPW- fed Octagon Shaped	IEEE International conference on Computing,	Karur, Tamil Nadu, India	2010

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

	Antenna for 5GHz WLAN and Higher Band UWB Applications	Communication & Networking Technologies,		
Mr.S.Kareemulla, Mrs.N.Gunavathi and Dr.S.Raghavan,	A Compact High Gain CPW-fed slot Antenna for WLAN/WiMAX Applications	IEEE International Conference on Wireless Communications, Vehicular Technology, Information theory and Aerospace and Electronic Systems Technology (IEEE-WIRELESS VITAE 2011)	Tamil Nadu, India	2011
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