Curriculum Vitae

Brief Profile:

Parthasarathy Ramanujam received his Bachelor's Degree in Electronics and Communication Engineering from Anna University, Chennai, India in 2012; the Masters and Ph.D. degrees in Communication systems and Microwave Filtering Antenna design from Anna University, Chennai, India in 2014 and 2021, respectively. From June 2014 to March 2022, he was working as an Assistant Professor in the Department of Electronics and Communication Engineering, St. Joseph's College of Engineering, Chennai, India. From April 2022 to September 2022 he was an Institute Postdoctoral Researcher in the Department of Engineering Design, Indian Institute of Technology Madras, India. Currently he is working as an Assistant Professor (Grade II) in the Department of Electronics and Communication Engineering at National Institute of Technology (NIT), Tiruchirappalli, India. He has more than seven years of teaching and research experience. Also, he worked on Electromagnetic Interference Suppression in various microwave components at SAMEER-Centre for Electromagnetics, Chennai, India from August 2013-June 2014. His research interests include microwave components and circuits, antenna engineering, signal integrity analysis and solution to EMI problems. To his credit, he has published several research articles on antennas and microwave components in peer-reviewed journals. He has also presented and published his research articles in the Proceedings of International conferences. He is currently serving as reviewer in IET Microwaves Antenna and Propagation, IET Electronics Letters, Microwave Optical Technology Letter, International Journal of RF and Microwave Computer aided Engineering, International journal of circuit world and International Journal of Microwave and wireless Technologies.

1. Name: Dr R Parthasarathy
2. Designation: Assistant Professor
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5. Email (Primary): parthasarathy@nitt.edu Email (Secondary) : parthasarathy418@gmail.com

6. Field(s) of Specialization:
Antennas: Microstrip, Substrate Integrated Waveguide(SIW), Base band for sub-6GHz spectrum, 5G mm-wave spectrum.

Microstrip Filters: Metamaterial based Filter, Interdigital line filters, Filtering antennas.
Machine Learning: Machine Learning in broadband Antennas.
Electromagnetic Interference (EMI): EMI suppression in co-located Antennas, surface wave suppression, EMI suppression using metamaterials.

7. Employment Profile

Job Title	Employer	From	To
Institute Post-Doctoral Fellowship	Indian Institute of Technology, Madras	April 2022	September 2022
Assistant Professor	St. Joseph's College of Engineering	June 2014	March 2017

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

Examination	Board / University	Year	Division/ Grade	Subjects
PhD	Anna University	2021	First Class	Microwave antenna Engineering
ME	Anna University	2014	1st Class with Distinction	Communication systems
BE	Anna University	2012	1st Class	Electronics and Communication Engineering
Diploma	Sent Michal's Polytechnic College	2009	1st Class with Distinction	Diploma in Electronics and Communication Engineering

HSC	R.C.M Higher Secondary School	2007	1st Class	Group I
SSLC	R.C.M Higher Secondary School	2005	1st Class	Group I

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
Member for Anti-Ragging Committee	National Institute of Technology, Tiruchirappalli	28.10.2022	Till Date
Time table In-charge	St. Joseph's College of Engineering	2014	2016

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2014	University Level 1st Rank with Gold medal	Anna University, Chennai
2022	Best Researcher and Thesis	Anna University, Chennai

12. Fellowships

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

13. Details of Academic Work

(i) Curriculum Development

(ii) Courses taught at Postgraduate and Undergraduate levels

Subjects/Labs	UG/PG

Signals and Systems	UG
Engineering Electromagnetics	UG
Electromagnetic interference and Compatibility	UG & PG
Basic Electrical and Electronic Engineering	UG
Digital Signal Processing	UG
Communication Engineering	UG
Analog and Digital Communication	UG
Wireless Communication	UG

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

14. Details of Major R&D Projects

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

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
11.05.2015 to 15.05.2015	Design, Simulation, Fabrication and Testing of Microstrip Antennas	International	Participant	B S Abdur Rahman University	Chennai
20.01.2016	Key	National	Participant	SSN College	Chennai

to 22.01.2016	Electromagnetic Concepts			of Engineering	
22.04.2016	Recent Trends in Antenna Design	International	Participant	Madras Institute of Technology	Chennai
31.10.2016 to 04.11.2016	FDP on Electromagnetics	International	Participant	SSN College of Engineering	Chennai
11.08.2017	High Frequency Design using ADS	International	Participant	Madras Institute of Technology	Chennai
21.09. 2017	Research Frontiers in Phased Array Antennas for Radio Astronomy	International	Participant	Anna University	Chennai
28-01-2022 to 29-01-2022	International Conference on Advances in Computing, Communication and Applied Informatics	International	Session Chair	St. Joseph's College of Engineering,	Chennai

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
Two Week Faculty Development Training Programme on EC6801-Wireless Communication	National	04.12.2016 to 17.12.2016	Organizing Secretary	St. Joseph's College of Engineering

18. Invited Talks delivered

Topic	Date	Inviting Organization
Innovative Antennas for Modern Technologies	14.4.2016	Vels University, Chennai
5G antenna Design	06.12.2021 to 10.12.2021	All India Council for Technical

Engineering		Education (Maillam Engineering College)
Guest Lecturer on Signals and Systems	15.10.2022	Vel tech Multitech engineering college

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
IEEE Membership	IEEE	98745789, 03/11/2023
Antennas and Propagation Society Membership	IEEE	98745789, 03/11/2023
Microwave theory technology Society Membership	IEEE	98745789, 03/11/2023
Council on RFID	IEEE	98745789, 03/11/2023

20. Academic Foreign Visits

Country	Duration of Visit	Programme

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Parthasarathy Ramanujam, Ramesh Venkatesan, PG, Chandrasekar Arumugam, Manimaran Ponusamy	Design of Compact Patch Antenna with Enhanced Gain and Bandwidth for 5G MM-Wave Applications	IET-Microwaves, Antennas and Propagation	14	1455-1461	2020	1.824
Parthasarathy Ramanujam, Ramesh Venkatesan, PG, Chandrasekar Arumugam,	Design of Miniaturized Super Wideband	AEU-International Journal of Electronics and	123	1-9	2020	3.169

Manimaran Ponusamy	Printed Monopole Antenna Operating from 0.7 to 18.5 GHz	Communication				
Parthasarathy Ramanujam, Manimaran Ponusamy, Krishnamurthy Ramanujam	A Compact wide-bandwidth Antipodal Vivaldi Antenna Array with Suppressed Mutual Coupling for 5G mm-wave Applications	AEU-International Journal of Electronics and Communication	133	153668	2021	3.169
Parthasarathy Ramanujam, Ramesh Venkatesan, PG, Chandrasekar Arumugam, Manimaran Ponusamy	Design of a compact printed lowpass filtering antenna with wideband harmonic suppression for automotive communication	International Journal of RF and Microwave Computer Aided Engineering	30	e22452	2020	1.987
Parthasarathy Ramanujam, Ramesh Venkatesan PG, Chandrasekar Arumugam	Miniaturized Low-Pass Filter Design With Wide Stopband using Complementary Split-Ring Resonator	Microwave and Optical Technology Letters	61	2832-2837	2019	1.311
Parthasarathy Ramanujam, Ramesh Venkatesan, PG, Chandrasekar Arumugam	Electromagnetic interference suppression in stacked patch antenna using complementary split ring resonator	Microwave and Optical Technology Letters	61	193-199	2020	1.311
Parthasarathy Ramanujam, Ramesh Venkatesan, PG, Chandrasekar Arumugam, Manimaran Ponusamy	Design of compact UWB filter using parallel-coupled line and circular open-circuited stubs	IETE Journal of Research			2020	2.333
Parthasarathy Ramanujam, Ramesh Venkatesan PG, Chandrasekar Arumugam,	Design of Compact Highpass Filter	Frequenz- RF and Telecommunication Engineering	74	177-181	2020	0.595

Manimaran Ponusamy	for 5G MM-Wave Applications using Complementary Split Ring Resonator					
Gnanasivam Pachaiyappan, Parthasarathy Ramanujam	Design of low profile co-axial fed high gain stacked patch antenna for Wi-Fi/WLAN/Wi-Max applications	Frequenz- RF and Telecommunication Engineering	75	27-34	2021	0.595
Parthasarathy Ramanujam, Krishnamurthy Ramanujam, Manimaran Ponusamy	A novel asymmetrical interdigital coupled line-based penta-band bandpass filter design with enhanced selectivity employing square complementary split ring resonator	International Journal of RF and Microwave Computer Aided Engineering		e22888	2021	1.987
S. Senthilkumar, U. Surendar, Parthasarathy Ramanujam, J. William	A dual-polarized metamaterial spiral MIMO antenna for 5G applications	Applied Physics A		128	2022	2.584
Parthasarathy Ramanujam, Ramesh Venkatesan PG, Manimaran Ponnusamy, T. K. Sethuramalingam	Design of miniaturized dual-band filtering antenna with improved selectivity utilizing square complementary split ring resonator for 5G MM-wave automobile applications	International Journal of RF and Microwave Computer Aided Engineering	32	e23378	2022	1.987

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Parthasarathy Ramanujam, R Venkatesan PG, C Arumugam	A Compact wide band Multi-Stacked patch antenna for UWB Applications	TEQIP III Sponsored International Conference on Microwave Integrated Circuits, Photonics and Wireless Networks (IMICPW)	77-80	IEEE	NIT Trichy	2019
Parthasarathy Ramanujam, R Venkatesan PG, C Arumugam	Design of Linear 2×2 Array Using Substrate-Integrated-Waveguide Patch Antenna for 28GHz mm-Wave Applications	TEQIP III Sponsored International Conference on Microwave Integrated Circuits, Photonics and Wireless Networks (IMICPW)	77-80	IEEE	NIT Trichy	2019

(C) Books & Monographs

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