



Sri Ramakrishna Institute of Technology

(An Autonomous Institution)

(Accredited by NAAC with "A" Grade)

Pachapalayam, Perur Chettipalayam, Coimbatore – 641 010

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Faculty Profile

Full name with Qualification, Designation and

Department:

V.Ganesh M.Tech.,

Assistant Professor,

Electronics and Communication Engineering



Date of birth	:	30.04.1983	Gender	:	Male
Nationality	:	Indian	Marital status	:	Married
Address for correspondence	:	11/64, Ashokar Street, Vellalore, Coimbatore – 641111.	Permanent address	:	11/64, Ashokar Street, Vellalore, Coimbatore – 641111.
Mobile no	:	9384302282	e-mail (official)	:	ganesh.ece@srit.org
Landline	:	0422 2605577	e-mail (personal)	:	ganeshperumal.ece@gmail.com
Date of joining	:	22.06.2007	Post of joining	:	Lecturer
No of promotions since D.O.J	:	One	Present post	:	Assistant Professor (Sr.Gr.)
Present pay scale	:	Rs.15,600/- to Rs,39,000/- AGP – Rs.7000/-	Gross pay	:	Rs.47,762/-
Employee ID	:	TE016	Bank account No. (Salary credited)	:	500101010584126
P.F. No	:	TN/CBE/56764/242	Group Insurance No	:	170100/48/13/42/00001717
PAN Number	:	APPPG9510H	Aadhar Number	:	9382 7060 0389
AICTE ID	:	1-488124161	AICTE Institution ID	:	1-7841521

Educational Qualification

Degree	Specialization	Year of Passing	Name of the College	Name of the University	Class Obtained
UG	ECE	2004	C.S.I. Institute of Technology, Thovalai, K.K.District.	Manonmaniam Sundaranar University, Tirunelveli.	First Class with Distinction
PG	Laser and Electro Optical Engg.	2007	College of Engineering, Guindy, Chennai	Anna University, Chennai.	First Class
Ph.D	Microwave	(Pursuing)		Anna University, Chennai.	
Others	Nil				

Registration for Ph.D. with area of interest:

Year of Ph.D. Registration: January, 2018

Year of Ph.D. Completed:

Thesis Title:

Supervisor Recognition Number: Nil

Ph.D. Scholar Details

S.No.	Name of the scholar	Registration details	College	Status

Academic Experience

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Ramakrishna Institute of Technology	Assistant Professor (Sr.Gr.)	01.11.2012	-	12	0	0
Sri Ramakrishna Institute of Technology	Assistant Professor	01.08.2010	31.10.2012	2	3	0
Sri Ramakrishna Institute of Technology	Lecturer	22.06.2007	31.07.2010	3	1	9
Total				16	4	

Industrial Experience

Name of the Organisation	Designation	Nature of Work	Joining Date	Relieving Date	Experience		
					Years	Months	Days
Nil							
Total							

Courses Handled

Academic Year	Semester	Course Code	Course Name	Type of Course (T / L)	Pass Percentage
2023-2024	Odd	20EC004	Electromagnetic Fields and Waves	Theory	On-going
2023-2024	Odd	20EC025	Optical and Microwave Lab	Lab	On-going
2022-2023	Even	UECC020	Project Phase - II	Project	100
2022-2023	Even	UECC014	Antennas and Wave Propagation	Theory	65
2022-2023	Odd	20EC004	Electromagnetic Fields and Waves	Theory	83
2022-2023	Odd	20EC014	Analog Communication	Theory	
2021-2022	Even	UECC009	Transmission Lines and Waveguides	Theory	78
2021-2022	Even	UECC014	Antennas and Wave Propagation	Theory	84
2021-2022	Odd	UECC004	Electromagnetic Fields and Waves	Theory	100
2021-2022	Odd	UECC014	RF and Microwave Communication	Theory	100
2020-2021	Even	UECC009	Transmission Lines and Waveguides	Theory	100
2020-2021	Odd	UECC004	Electromagnetic Fields and Waves	Theory	92
2020-2021	Odd	UECC014	RF and Microwave Communication	Theory	95
2019-2020	Even	UECC009	Transmission Lines and Waveguides	Theory	100
2019-2020	Even	UECC014	Antennas and Wave Propagation	Theory	100

2019-2020	Odd	UECC004	Electromagnetic Fields and Waves	Theory	76
2019-2020	Odd	EC6701	RF and Microwave Engineering	Theory	78
2018-2019	Even	EC6602	Antennas and Wave Propagation	Theory	84
2018-2019	Even	EC6403	Electromagnetic Fields and Waves	Theory	78
2018-2019	Odd	EC6503	Transmission Lines and Waveguides	Theory	86
2018-2019	Odd	EC6712	Optical and Microwave Lab	Lab	100
2017-2018	Even	EC6403	Electromagnetic Fields and Waves	Theory	82
2017-2018	Odd	EC6712	Optical and Microwave Lab	Lab	100

Projects Guided

Academic Year	Semester	Project Title	UG / PG
2022-2023	VIII	Design of Multiband Rectenna Array for RF Energy Harvesting	UG
2022-2023	VII	Fire Extinguisher Using Sound Waves	UG
2022-2023	VII	Measurement of RPM of Cooling Fan Using CW Doppler Radar	UG
2022-2023	VI	Circuit Breaker Using IOT Based Online Platform	UG
2022-2023	VI	Design of Wideband and High Gain Microstrip Linear Antenna Array	UG
2021-2022	VIII	Design of Rectenna Circuit at GSM 900 MHz Band	UG
2021-2022	VIII	Design of X Band Rectenna for Wireless Power Reception	UG
2021-2022	VII	Prototype Automatic Lightning System	UG
2020-2021	VIII	Speed Checker and Over Speed Detection for Highways	UG
2020-2021	VIII	Automatic Watering System	UG
2020-2021	VII	TurboConnector Using Voltage Multiplier	UG
2019-2020	VIII	Prototype Model of Microwave Tachometer	UG

2019-2020	VIII	Intelligent Transport VANET System Using Cluster Base Method	PG
2019-2020	VIII	Design of X-Band Rectenna for WPT	PG

Publications

Publications	SCI / Scopus / Web of Sciences	Others
Journal	1	6
Conferences	1	7

Journal Publications (IEEE format)

- **V.Ganesh**, S.Rajkumar, F.S.Umarfarook and S.N.Sridhar, “Design of Patch Antenna and 1X2 Patch Array for Wi-Fi Application”, International Journal of Research and Analytical Reviews, Vol.9, April, 2022, pp.175-178.
- B.Muralitharan, P.Arunraj, S.P.Aginesh and **V.Ganesh**, “Design of 1X2 Patch Antenna Array at GSM Band”, International Research Journal of Modernization in Engineering Technology and Science, Vo.No.5, May-2022, pp.3274-3276.
- **V.Ganesh**, H.Mangalam, “Design and Simulation of 1X4 Patch Antenna Array For Rectenna”, Thomson Reuters, International Journal of Engineering Sciences and Research Technology, May, 2020, pp.245-249.
- **V.Ganesh**, H.Mangalam, “Design and Simulation of Branch Line Coupler For Mixer Application”, Thomson Reuters, International Journal of Engineering Sciences and Research Technology, February, 2020, pp.32-35.
- S.Hemalatha, **V.Ganesh**, H.Mangalam, “Patch Antenna Array For Rectenna Application”, Thomson Reuters, International Journal of Research in Advent Technology, vol.17, No.3, 2019, pp.1631-1633.
- G.Ravindran, T.Jobby Titus, **V.Ganesh**, V.S.Sanjana Devi, “Analysis of image segmentation techniques for texture feature extraction”, International Journal of Engineering Science & Research Technology (IJESRT)”, Volume 6, Issue, 6, June 2017, pp. 66-71.

- S.Sam Jai Kumar, T.Jobby Titus, **V.Ganesh**, V.S. Sanjana Devi, “Automotive Crack Detection for Railway Track Using Ultrasonic Sensors”, International Journal of Engineering Technology and Computer Research (IJETCR), Volume 4; Issue 6; Dec- 2016, PP. 34-37.

Conference Publications (IEEE format)

- **V.Ganesh** and Dr.H.Mangalam, “Deisgn of Rectifier circuit for RF/Microwave Scavenging Application”, Global Journal of Engineering Science and Researches, AIVESC-18 National Conference Issue, ISSN 2348-8034, pp. 1-7. 2018.
- S.Moorthi, M.S.Adil Ahamed, **V.Ganesh** presented a paper titled, “Prototype valet parking Robot”, National Conference on “Networks, Intelligence and Computing Systems, SNS College of Technology, Coimbatore, 17th March, 2017,
- T.Akila, **V.Ganesh**, presented a paper titled “Vital Sign Detection using 1 GHz Doppler Radar System” in the National Conference on Information, Networking and Communication Technologies – NCINCT at Dr. Mahalingam College of Engineering and Technology, Coimbatore on 23rd April 2016.
- K.Kaviarasu and **V.Ganesh**, “Design and Simulation of a 900MHz Rectifier for Rectenna Application”, Fourth IEEE International Conference on Communication and Signal Processing – ICCSP’15, 2nd ,3rd & 4th April 2015, Adhiparasakthi Engineering College, Melmaruvathur.
- K.C.Rajarajeshwari, T.Akila and **V.Ganesh**, “Design and Optimization of Microstrip Patch Antenna Array”, National Conference on Mathematical Modeling and Fuzzy Logic Applications, 20th February 2016 RVS Technical Campus, Coimbatore.
- **V.Ganesh**, A.K.Kavitha, N.SunilPrasad, K.Kaviarasu and R.Madhavan, “Detection of Human behind the barrier using an X-band radar”, Fourth National Conference on Communication, Computation, Control and Automation(CCCA-2014), 28th & 29th, March, 2014, Sri Ramakrishna Institute of Technology, Coimbatore.

- A.K.Kaviarasu and **V.Ganesh** “ Microwave Based Wireless Power Transmission for Home Appliances” International Conference on Computing Techniques, Embedded Systems & Drives, 7-9, March, 2012, PPG Institute of Technology, Coimbatore.
- **V.Ganesh**, Dr.R.Joseph Xavier, “Movement Detection in Non-LOS Environment using Microwave” Third National Conference on “Communication, Computation, Control and Automation (CCCA 2010)”, 9th & 10th March 2012, Sri Ramakrishna Institute of Technology, Coimbatore.

Books / Book Chapters (IEEE format) Nil

Sponsored Research

Project Title	Funding Agency	Amount Rs.	Duration
Design of multiband rectenna for RF energy harvesting	Tamilnadu State Council for Science and Technology	Rs.7500/-	December 2023 – April 2024

Consultancy

S. No.	Organization/ Agency	Nature of Work	Amount in Rs.	Year
	Nil			

Workshops / Seminars attended

- Participated in a one day seminar on “Recent Trends in Antenna Design Using CAD Tools” organized by Institute of Engineers, Coimbatore Chapter under the aegis of Electronics and Telecommunication Engineering Division IE(I), in association with the Department of Electronics and Communication Engineering. Kumaraguru College of Technology, Coimbatore, conducted on 12th June 2020.
- Participated in the Vision Nano Fourth Annual National Seminar “Nanomaterial Research” on 17.02.2017 organized by Nano Science and Technology, Sri Ramakrishna Engineering College, Coimbatore.
- Participated in the MHRD sponsored one-week ISTE Workshop on “CMOS, Mixed Signal and Radio Frequency VLSI Design” conducted by Indian Institute of Technology, Kharagpur from 30th January to 4th February 2017.
- Participated in the two days National workshop on “Design Skills with ANSOFT” from

20.02.2015 to 21.02.2015 conducted by Entuple Technologies, Bangalore and organized by ISTE Faculty Chapter, Dr.SivanthiAditanar College of Engineering, Tiruchendur.

- Participated in the CSIR sponsored Two days Technical Seminar on ‘Recent Issues in Antenna Design and Testing’ at Department of ECE, MepcoSchlenk Engineering College, Sivakasi during September 24-25, 2013.
- Participated in the Ministry of Earth Science sponsored two days Workshop on “Institute – Industry perspective on Modern Weather RADAR Technology & Its Applications” conducted by the Department of Electronics and Communication Engineering, PSG College of Technology, Coimbatore during 2nd and 3rd August, 2013.
- Participated in the “Agilent Measurement Seminar” at Residency Coimbatore conducted by Sinetech Technologies, Coimbatore on 17-07-2013.
- Participated in the MHRD sponsored two-week ISTE Workshop on “Analog Electronics” conducted by Indian Institute of Technology, Kharagpur from 4th to 14th June, 2013.
- Participated in the three days workshop on “Advanced Antenna Design and Analysis Using ADS 2011 and EMPro 2011” conducted by the Department of Electronics and Communication Engineering, PSG College of Technology, Coimbatore during 29th November to 1st December 2012.
- Participated in the two days Workshop on “Biomedical Research and Application Development using Ultra-Wide Band RADAR” conducted by the Department of Biomedical Engineering, PSG College of Technology, Coimbatore during 12th & 13th, September 2012.
- Participated in an International Workshop on “Nano Electronics” sponsored by IEEE Electron Device Chapter Madras and conducted by the Department of Electronics and Communication Engineering at Sri Ramakrishna Institute of Technology on 30.12.2011.
- Participated in the “International RADAR Symposium India – 2011” organized jointly by IEEE Bangalore Section, IET Bangalore Network, IETE Bangalore Centre and Society of Electronic Engineers(SEE) and co-sponsored by BEL, DRDO, HAL and ISRO at NIMHNAS Convention Centre, Bangalore on 30th November and 1st December 2011.
- Participated in the two days National Seminar sponsored by Ministry of Earth Sciences on “Design and Applications of VLSI Techniques” conducted by the Department of Electronics and Communication Engineering at Sri Ramakrishna Institute of Technology during 12 – 13, October 2011.
- Participated in the two days National Seminar sponsored by Ministry of Earth Sciences on “Wireless Networks for Rural Applications” conducted by the Department of Electronics and Communication Engineering at Sri Ramakrishna Institute of Technology during 10- 11, October 2011.
- Participated in the Workshop on “Need Based Approach for Effective Teaching” Organized by Sri Ramakrishna Institute of Technology, Coimbatore on 21-06-2011.
- Participated in the IETE sponsored two days Seminar on “Modern Trends in Wired & Wireless Communication” conducted by the Department of Electronics and Communication Engineering at Sri Ramakrishna Institute of Technology during 29 – 30, December 2010.
- Participated in the AICTE sponsored two days seminar on “Recent Trends in High Data Rate Wireless Communication” conducted by the Department of Electronics and Communication Engineering at Sri Ramakrishna Institute of Technology during 20 –

21, August 2009.

Faculty Development Program attended (from recent)

- Participated in an AICTE Training and Learning (ATAL) Academy online FDP on “Wearable Devices” from 16.11.2020 to 20.11.2020 at Thapar Institute of Engineering and Technology, Patiala.
- Participated in the three day online FDP on “Embedded System and IoT Applications” from 04.06.2020 to 06.06.2020 organized by the Department of Electronics and Communication Engineering, Vignan’s Institute of Engineering for Women, Visakhapatnam in association with Embedded Systems Solutions Pvt. Ltd., Bangalore and in partnership with IEEE BLP, Hyderabad.
- Participated in the five days FDP on “COVID-19 Pandemic Strategies for Effective Work-Life Balance of Academicians” organized by the Department of Management Studies, Karpagam College of Engineering, Coimbatore from 04.05.2020 to 08.05.2020.
- Participated in an AICTE Short Term Training Programme (STTP) on “Design, Fabrication and Testing of Antennas and Design Issues in Modern Antennas” from 04.11.2019 to 09.11.2019 at Sri Ramakrishna Institute of Technology, Coimbatore.
- Attended in Faculty Immersion Programme at Roots Industries India Limited, Coimbatore during 04.12.2017 to 15.12.2017.
- Participated in the FDP on “Analog, Power, Embedded Systems and Wireless (IoT) Hands on Workshop” conducted jointly by Texas Instruments, Bangalore and STEPS Knowledge Services Pvt.Ltd., Coimbatore held during 21st to 24th June 2016 at Akshaya College of Engineering and Technology, Coimbatore.
- Participated in the MHRD sponsored two-week ISTE Workshop on “Control Systems” conducted by Indian Institute of Technology, Kharagpur from 2nd to 12th December, 2014.
- Participated in the MHRD sponsored two-week ISTE Workshop on “Signals & Systems” conducted by Indian Institute of Technology, Kharagpur from 2nd to 12th January, 2014.

Events Organized (from recent)

Conference - Nil

FDP

- Co-coordinator in organizing One Week AICTE sponsored STTP on “Design, Fabrication and Testing of Antenna and Design Issues in Modern Antennas”, 4-9 November, 2020.
- Co-Coordinator in organizing the AICTE Sponsored ATAL FDP on “Wearable Devices”, from 30.11.2020 to 04.12.2020.
- Co-coordinator in organizing AICTE sponsored FDP on “Research Challenges and Issues in Wireless Communication and Networks”, from 25.01.2021 to 07.03.2021 (three slots).

Workshops - Nil

Seminars -Nil

Online Courses Completed

Sl. No.	Title	Platform
1	Millimetre Wave Technology	NPTEL
2	Antennas	NPTEL
3	Transmission Lines and Electromagnetic Waves	NPTEL
4	Accreditation and Outcome Based Learning	NPTEL
5	Microwave Theory and Techniques	NPTEL
6	Microwave Integrated Circuits	NPTEL
7	Analysis and Design Principles of Microwave Antennas	NPTEL
8	Electromagnetic Theory	NPTEL
9	Electricity and Magnetism: Maxwell's Equation	edX

Awards and Recognitions Secured

Received Dr.R.Radhakrishnan Award from SRIT Alumni in the year of 2017.

Self-appraisal

Major Strengths

Hardworking

Major Weakness

No funding

Sensitive

Signature