

**K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE – 637 215.**  
**(Autonomous)**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**FACULTY PROFILE**



- 01. Name** : R.VEERAMANI  
**02. Designation** : ASSOCIATE PROFESSOR  
**03. Date of Birth** : 17.12.1980  
**04. Date of Joining** : 01.12.2011  
**05. Qualification & Designation** :

	<b>At the time of Joining</b>	<b>Now</b>
<b>Qualification</b>	<b>ME</b>	<b>(Ph.D)</b>
<b>Designation</b>	<b>ASSISTANT PROFESSOR</b>	<b>ASSOCIATE PROFESSOR</b>

- 06. Specialization** : OPTICAL COMMUNICATION  
**07. Area of Interest** : ANTENNA DESIGN & RADIO FREQUENCY CIRCUITS  
**08. Experience & Promotion Details** :

SL.NO	Name of the Organization	Designation	Period	
			From	To
01.	Velalar College of Engineering and Technology	Lecturer	24.06.2005	31.12.2009
02.	Velalar College of Engineering and Technology	Senior Lecturer	01.01.2010	31.12.2010
03.	Velalar College of Engineering and Technology	Assistant Professor (Sr.Gr)	01.01.2011	29.11.2011
04.	K.S.R College of Engineering	Assistant Professor	01.12.2011	02.07.2017
05.	K.S.R College of Engineering	Associate Professor	03.07.2017	Till date

**09. Publication Details:-**

	*National Level		*International Level	
	Journal(s)	Conference(s)	Journal(s)	Conference(s)
KSRCE	-	07	06	08
Others	-	01	-	-

**\*-Annexure**

**10. Details of Winter/Summer Schools Attended**

Sl.NO	Name of the programme	Organized by	Duration
-	-	-	-

## 11. Details of Workshops/ Seminars Attended

Sl. No	Name of the programme	Organized by	Duration
01.	Faculty Development Program on “Electromagnetic Waves and Wave Guides”	School of Electronics and Communication Engineering, Anna University, Chennai.	5.12.2005 to 17.12.2005 (13 Days)
02.	Instruction Design & Delivery	Notational Institute of Technical Teachers Training Institute, Chennai Conducted at Velalar College of Engineering and Technology.	7.11.2005 to 12.11.2005 (6 Days)
03.	One Day Workshop on “ Mobile Communication”	Department of ECE, Velalar College of Engineering and Technology.	1.08.2008 (01 Day)
04.	One Day Workshop on “Algorithms in Image Processing”	Department of ECE & EEE, Velalar College of Engineering and Technology.	6.10.2008 (01 Day)
05.	One Day Workshop on “ Fuzzy System”	Department of EEE, MPNMJ Engineering College.	09.2.2008 (01Day)
06.	One Day workshop on “RF Technologies, Measurements and Applications”	Department of ECE, SONA College of Technology	16.04.2012 (01Day)
07.	Two Day Workshop on “ RF Design Using Ansys Ansoft HF Package”	Department of ECE, Kongu Engineering College.	28.09.12 – 29.09.12 (02 Day)
08.	AICTE sponsored Two Week Staff Development Programme on “Applications of Wireless Sensor Network in Industry and Consumer Electronics”	Department of ECE K.S.R College of Engineering	03.06.2014 to 15.06.2014
09.	Attended a One week Value added Course on “Embedded System and Its Applications”.	RAANA Power Solutions, Salem at K.S.R College of Engineering.	September 2014
10.	Attended a One week Value added course on “PCB Circuits Design and Fabrication” in the month of March 2015.	Logic Mind Technologies Coimbatore at ECE Department	March 2015
11.	Attended a one day workshop on “Blooms taxonomy “	K.S.R College of Engineering	20 <sup>th</sup> March 2015
12.	Journal Paper Writing and Preparation of winner research proposal	K.S.R College of Engineering	19 <sup>th</sup> & 20 <sup>th</sup> August 2015
13.	ABAP with SAP Netweaver Course TAW10 & TAW12 (SAP NW 7.0)	SAP Education’s Site License Program with K.S.Rangasamy College of Technology	Oct/Nov 2015
14.	Antenna Design and Simulation using ANSOFT HFSS	Department of ECE K.S.Rangasamy College of Technology Tiruchengode	6 <sup>th</sup> May 2017
15.	Professional Skill Development - ABET	K.S.R College of Engineering	13.10.2017

16.	Role of DST in promoting S & T eco system in india avertes and opportunities.	K.S.R College of Engineering	18.11.2017
17.	Attended one day workshop titled “Delibrations on AICTE Model Curriculum – 2018” Conducted by CIT – TLC Coimbatore.	Coimbatore institute of Technology, Coimbatore	27.06.2018
18.	ISRO Sponsored One day National Seminar on “Recent Developments in Smart Farming based on IOT and Robotics”.	Nandha Engineering College, Erode	05.04.2019
19.	AICTE Sponsored “Advanced RF Circuit design and software defined radio”.	Government College of Engineering Salem.	12.05.2019 to 25.05.2019
20.	“How to Access E Resources” Training.	K.S.R College of Engineering	23.01.2019
21.	Understanding of Programme outcomes	K.S.R College of Engineering	6.11.2019
22.	Advances in Practical RF Antenna Design	Sree Vidhya Nikethan Engineering College	25.11.2019 to 30.11.2019
22.	Research Conclave	CIT Coimbatore	10.01.2020
23.	AICTE Sponsored One Week Online Short Term Training Programme on “Recent Emeging Trends” In wireless Communication Using IoT – Phase II.	Department of Electronics and communication engineering Vidya Jyothi institute of Technology, Hydrabad -500075.	07.12.2020 to 12.12.2020
24.	Webinar on “Wireless Sensor”.	Department of Electrical and Electronics Engineering, Francies Xavier Engineering College, Tirunelveli.	29.6.2020
25.	Silver jubilee internatonal webinar on Cloud Computing	Department of CSE, Sri Akilandeswari Woman college	27.6.2020
26.	Webinar on Signal Processing using MATLAB	Department of ECE, K.S.R College of Engineering	21.06.2020
27.	ATAL FDP on “ELECTRICAL VEHICLES” .	NSIC, Hydrabad	21.06.21 To 25.06.21
28.	ATAL FDP on “NBA ACCREDIDITATION PROCESS”.	JNTU Hydrabad	28.06.2021 To 02.07.2021
29.	ATAL FDP on “SENSOR TECHNOLOGY”	Department of ECE, K.S.R College of Engineering	04.10.2021 To 08.10.2021

## 12. Details of Workshops/ Seminars Handled

Sl. No	Name of the programme	Organized by	Duration
01.	Conducted a Three Day National Level Workshop on “Practical Insight in to RF Antenna Design Through PCB Prototyping” from	Department of ECE KSR College of Engineering	27 <sup>th</sup> February 2013 to 1 <sup>st</sup> March 2013
02.	Conducted One Day Workshop/ Hands on Training on Antenna Design Using HFSS Software	Department of ECE Jay Shriram Group of Institutions	26 <sup>th</sup> February 2016
03.	ATAL FDP on “ SENSOR TECHNOLOGY”	Department of ECE, K.S.R College of Engineering	04.10.2021 To 08.10.2021

## 13. Details of Seminar/Guest Lecture Handled

Sl. No	Name of the Programme	Topic	Organized by	Date
01.	Faculty Development Programme Sponsored by Anna University.	“Noise in AM Systems	K.S.R College of Engineering	28 <sup>th</sup> November 2012.
02.	Faculty Development Programme Sponsored by Anna University	Electromagnetic Fields	M.P.N.M.J College of Engineering	16 <sup>th</sup> December 2014.
03	Guest Lecture to the Students	Electromagnetic Fields	Jay Shriram group of institutions	25 <sup>th</sup> February 2015.
04	Faculty Development Programme Sponsored by Anna University	“Electromagnetic Waves”	Velalar College of Engineering	16 <sup>th</sup> June 2015.
05	Faculty Development Programme Sponsored by ISTE	Transmission Lines and Wave Guides	Velalar College of Engineering and Technology	18 June 2015.
06	Seminar to Students	RF & Microwave Engineering	Nandha Engineering College	22 <sup>nd</sup> September 2015
07	One Day Guest Lecture to Students	Transmission Lines and Wave Guides	AVS College of Technology	14 <sup>th</sup> November 2015
08	Faculty Development Programme Sponsored by Anna University	Antenna and Wave Propagation	Velalar College of Engineering	17 <sup>th</sup> December 2015.
09	Faculty Development Programme Sponsored by Anna University	Electromagnetic Fields	Velalar College of Engineering	22 <sup>nd</sup> December 2015.
10	One Day Guest Lecture to Students	Electro Magnetic Fields	Nandha College of Technology	13 <sup>th</sup> February 2016
11	IETE Sponsored Guest lecture to	Recent Trends	M.P.N.M.J	27 <sup>th</sup> February

	students	in Electromagnetic Fields	College of Engineering	2016.
12	One day Guest lecture to students	RF and Microwave Engineering	Nandha College of Technology	4 <sup>th</sup> August 2016
13	One day guest lecture to students	Transmission Lines and Wave Guides	Excel College of Technology	17 <sup>th</sup> December 2016
14	Faculty Development Programme Sponsored by Anna University	Communication Theory	Kongunadu College of Engineering and Technology	15 <sup>th</sup> December 2016
15	Guest Lecture to the students	Recent Trends in Electromagnetic Fields	M.P.N.M.J College of Engineering	4 <sup>th</sup> March 2017
16	Guest Lecture to the students	RF Microwave Engineering	Jay Shriram group of institutions	23 <sup>rd</sup> September 2017
17	Faculty Development Programme Sponsored by Anna University	Antenna and Wave Propagation	K.S.R .I.E.T	29.11.17
18	Guest Lecture to the students	Antenna and Wave Propagation	Nandha College of Technology	06.01.2018
19	Guest Lecture to the students	Electromagnetic Fields	M.P.N.M.J College of Engineering	21.01.2018
20.	Guest Lecture to the students	Electromagnetic Fields	M.P.N.M.J College of Engineering	07.02.2019
21	Guest Lecture to the students	Transmission Lines and Wave Guides	Nandha College of Technology	31.01.2020

#### 14. Details of Winter/Summer Schools/Workshops/Seminars organized:

Sl.No	Name of the programme	Sponsored by	Acted as	Duration	Coordinator
01	FDP on “Communicat ion Theory”	Center for Faculty Development, Anna University Chennai.	Co – coordinator	28.12.12 to 05.01.13 7 Days	Prof.S.Karthikeyan
02	ATAL FDP on “Sensor Technology”	AICTE	Co – coordinator	04.10.2020 to 08.10.2020	Dr.P.S.Periasamy Prof& Head/ECE

**15. Details of the Subjects Handled (in KSRCE):**

<b>Sl.No</b>	<b>Academic Year</b>	<b>Semesters</b>	<b>Name of the Subject</b>	<b>Class</b>	<b>% of Pass</b>
01.	2011 - 2012	IV	Linear Integrated Circuits	II ECE B	90
02.	2011 - 2012	II	Microwave Integrated Circuits	II ME CS	100
03.	2012 -2013	V	Transmission Lines and Wave Guides	V ECE A	84
04.	2012 – 2013	I	Microwave Integrated Circuits	I ME CS	100
05.	2012 - 2013	II	RF MEMS for Wireless Communication	I ME CS	100
06.	2012 - 2013	IV	Electromagnetic Fields	II ECE C	88
07	2013 - 2014	V	Electronic Circuits	II ECE	85
08	2013 - 2014	I	Microwave Integrated Circuits	I ME CS	100
09	2013 - 2014	V	Transmission Lines and Wave Guides	III ECE A	78
10	2013 - 2014	II	RF MEMS for Wireless Communication	I ME CS	100
11	2014 - 2015	V	Analog Communication Systems	III ECE	96
12	2014 - 2015	I	Electromagnetic Interference and Compatibility in System Design	I ME CS	100
13	2014 - 2015	VI	Digital Communication Systems	III ECE	92
14	2014 - 2015	II	RF MEMS for Wireless Communication	I ME CS	100
15	2015 - 2016	V	Analog Communication Systems	III ECE	98
16	2015 - 2016	I	Electromagnetic Interference and Compatibility in System Design	I ME CS	100
17	2015 - 2016	VI	Digital Communication Systems	III ECE	94
18	2015 - 2016	II	RF MEMS for Wireless Communication	I ME CS	100
19	2016 - 2017	V	Analog Communication Systems	III ECE A	100
20	2016 - 2017	I	Electromagnetic Interference and Compatibility in System Design	I ME CS	100
21	2016 – 2017	VI	Digital Communication Systems	III ECE B	94
22	2016 – 2017	I	RF MEMS for Wireless	I ME CS	100

			Communication		
23	2017 – 2018	V	Analog Communication Systems	III ECE B	80
24	2017 – 2018	V	Transmission Lines and Waveguides	III ECE C	92
25	2017 – 2018	I	Electromagnetic Interference and Compatibility in System Design	I ME VLSI	100
26	2017 – 2018	VI	Digital Communication Systems	III ECE A	78
27	2017 – 2018	IV	Microprocessors and Microcontrollers	II ECE A	94
28	2018 - 2019	V	Digital Communication Systems	III ECE A	86.0
29	2018 - 2019	V	Digital Communication Systems	III ECE B	100
30	2018 - 2019	IV	Microprocessors and Microcontrollers	II ECE A	80.4
31	2018 - 2019	IV	Microprocessors and Microcontrollers	II ECE B	95.45
32	2019 - 2020	V	Digital Communication Systems	III ECE A	82
33	2019 - 2020	V	Digital Communication Systems	III ECE B	88
34	2019 – 2020	VIII	Optical Networks	IV ECE A	100
35	2019 – 2020	VIII	Optical Networks	IV ECE B	100
36	2020 - 2021	VII	Optical Fiber Communication	IV ECE A	100
37	2020 - 2021	VII	Optical Fiber Communication	IV ECE B	100
38	2020 - 2021	VIII	Optical Networks	IV ECE A	100
39	2020 - 2021	VIII	Optical Networks	IV ECE B	100
40	2021 - 2022	VII	Optical Fiber Communication	IV ECE A	On going

#### 16. Additional Responsibilities:-

S.No	Details of Work	Work allotted by	Duration
01.	Class Advisor	HOD	Dec 2011 to December 2012 Dec 2016 to dec 2018
02.	Department Autonomous In charge	HOD	July 2012 to Till Date
03.	Class Committee Chair Person	HOD	July 2012 to Dec 2012
	Class Committee Chair Person	HOD	July 2015 to May 2018
04.	Class In charge	HOD	December 2012 to May 2015

			Dec 2018 to till date
05	Optical Lab Incharge	HOD	June 2014 to Till Date
06	BOS Member	Principal	February 2012 to Till Date
07	Internal Quality Assurance Cell (Auditing)	Principal	Dec 2014 to Till date
08	Annual Stock Verification Committee	Principal	June 2014 to Till date

## 17. NPTEL Courses

S.NO.	Name of the Course	Duration	Status /Remarks
1	Analog Communication	12 Weeks	Completed(68%)
2	Digital Electronics	12 Weeks	Completed(69%)

## 18. Self-Appraisal

- 3 Major Strengths:
1. Hard Work
  2. Team Work
  3. Perceptive
- 3 Major Weaknesses:
1. Time Management
  2. Easy to Deceive
  3. Less Initiative

Signature

**Annexure**  
**LIST OF PUBLICATIONS**

**National Conference: 08**

1. R.Veeramani “Wide Range Online Vehicle Tracking using GPS and GSM Integration” in proceeding of the National Conference on “Recent Trends in Communication” at Arulmigu Kalasalingam College of Engineering and Technology.
2. R.Veeramani “Garbage collecting systems using Firebird V Robot” in proceeding of the National Conference on “Emerging Trends in Engineering and Technology” at Nandha College of Technology on 17<sup>th</sup> march 2017.
3. R.Veeramani “Web Based Smart Home” in proceeding of the National Conference on “MEEMIC” at Sengunthar College of Engineering on 24<sup>th</sup> March 2017.
4. R.Veeramani “Android Based industrial Monitoring Application” in proceeding of the National Conference on “Recent Trends in Engineering and Communication” at Jayalakshmi Institute of Technology on 22<sup>nd</sup> march 2018.
5. R.Veeramani “Industrial Control Applications Using ARDUINO Processor” in proceeding of the National Conference on “Recent Trends in Engineering and Communication” at Jayalakshmi Institute of Technology on 22<sup>nd</sup> march 2018.
6. R.Veeramani “Compact Triple Band Micro Strip Patch Antenna” in proceeding of the National Conference on “Advancement in Electrical Power, Signal Processing and Communication Network System” at Selvam College of Technology on 23<sup>rd</sup> march 2018.
7. R.Veeramani “ FILTENNA” in the proceeding of the National Conference on Emerging Trends in Engineering and Technology” held on 16<sup>th</sup> March 2019 at Nandha College of Technology.
8. R.Veeramani “ Fire Detection and Control” in the proceeding of the National Conference on Signal Processing and Communication Systems” Organized by the research and Development cell, Department of Electronics and Communication Engineering on 07<sup>th</sup> March 2019.

**International Conference: 04**

1. R.Veeramani and Karchikumar, “A Design of Printed Multiband Microstrip Patch Antenna for Modern Wireless Communication Systems” in the proceedings of international Conference on “Recent Innovations in Engineering” on 14<sup>th</sup> March 2014 Conducted at Sri Subramaniya College of Engineering and Technology, Palani.
2. R.Veeramani and Janet Gnana Sherily, “Multiband Microstrip Antenna Design for Wireless Communication Applications” in the proceedings of “International Conference on Engineering

Technology and Science” on 5<sup>th</sup> and 6<sup>th</sup> March 2015 held at Muthayammal College of Engineering, Namakkal.

3. R.Veeramani and P.Prabhakaran “Comparative Analysis of Microstrip Phased Array Antenna Design” in the proceedings of “International Conference on VLSI Computations Networking, Drives & System Design” on 26<sup>th</sup> March 2015 held at Sethu Institute of Technology.
4. R.Veeramani and S.Dinesh “ Harvesting Microwave Signal power from the Ambient Environment” in the proceedings of “ 2<sup>nd</sup> International Conference on Electrical, Electronics and Computer Engineering” on 22<sup>nd</sup> and 23<sup>rd</sup> March 2016 held at Vivekanandha College of Engineering for Women, Tiruchengode.

**National Journal** : NIL

**International Journal** : 06

1. S.Atchaya, N.Dhanalakshmi and R.Veeramani “A Compact Design of Multiband Microstrip Patch Antenna for GSM, Bluetooth and WiMAX Applications”, International Journal of Communication and Computer Technologies Volume 02 – No.1 Issue: 04 April 2012 , ISSN NUMBER : 2278-9723”.
2. Prabhakaran. M and Mr.R.Veeramani, “Comparative Analysis of Microstrip Phased array antenna Design”, “International Journal of advanced information science and Technology” ISSN: 2319: 2682, Vol.34, No. 34, February 2015”.
3. Ms.J.P.Jannet gnana Shirley and R.Veeramani “Multiband Microstrip Antenna Design for Wireless Communication Applications”, International Journal of Applied Engineering Research” ISSN 0973 – 4562 Volume 10, Number 9 (2015).
4. Dineshkumar. S and R.Veeramani “ Harvesting Microwave Signal Power from the ambient Environment”, International Journal of Communication and Computer Technologies Volume 04 – No:6 Issue: 02 March 2016, ISSN Number: 2279723.
5. M.Mohanasundari & R.Veeramani “Multiband Microstrip Patch antenna for %G wireless Applications Using MIMO Techniques” in CIIT international journal of wireless communication Vol 9, no.5, May 2017.
6. Mr.R.Veeramani, Ms.P.Shobana, Mr.R.Sahishkumar, Mr.T.P.Shanmugam, Mr.J.Rameshkumar, “ Design of E-BIKE using Self Balancing Technique” International journal of Advanced science and Engineering research, Volume 5, Issue:1, June 2020.