

# CURRICULUM VITAE

Dr. S. Krishna Veni  
Professor & HOD  
Department of ECE  
Engineering and Technology Program  
Gayatri Vidya Parishad College for Degree and  
PG Courses(A)  
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## PROFILE SUMMARY

- ✚ A quality-oriented professional with nearly **12 years** of experience in Teaching
- ✚ Experience & skills in developing curriculum to accommodate different learning styles
- ✚ Maximizing students' comprehension; conducted various Workshops, Seminars, and organized industrial visits.

## EDUCATIONAL QUALIFICATIONS

- **Ph.D** awarded on 21<sup>st</sup> May, 2016 with thesis entitled “Investigations on generation of shaped far-field patterns using Real Coded Genetic Algorithm and Particle Swarm Optimization” in the field of Electromagnetics and Antenna arrays from Department of Electronics and Communication Engineering of **Andhra University, College of Engineering (A)**.
- **M.Tech** in Bio-Medical Engineering from **Andhra University College of Engineering (A)** with **80%** (First Class) during 2006-2008.
- **A.M.I.E.** in Electronics and Communication Engineering from **The Institution of Engineers (INDIA)** with **60.4%** (First Class) during 2001-2005.
- **Diploma** in Electronics and Communication Engineering from **Govt. Polytechnic for Women, Bheemunipatnam** with **74.45%** during 1996-1999.

## PROFESSIONAL EXPERIENCE (12 YEARS)

- Working as Professor and HOD in Gayatri Vidya Parishad College for Degree and PG courses from April 2021 to till date.

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- Worked as Associate Professor and HOD in Gayatri Vidya Parishad College for Degree and PG courses from June 2018 to till date.
- Worked as Senior Assistant Professor in Gayatri Vidya Parishad College for Degree and PG courses from July 2016 to May 2018.
- Worked as an Assistant Professor in Dadi Institute of Engineering and Technology, Anakapalle from June, 2015 to May 2016.
- Worked as Full time Research Scholar in Andhra University College of Engineering from Nov. 2010 to Apr. 2015.
- Worked as an Assistant Professor in Dadi Institute of Engineering and Technology, Anakapalle, for a period of two academic years from June 2008 to June 2010.

#### **FUNDING PROJECTS:**

- Received fund from IEI for UG project titled “**Automobile Speed Detection and Collision Avoider RADAR**” under IEI R&D Scheme in 2018.
- Submitted proposal on project titled “JATAYU” to MHRD innovation idea Submission contest 2020. –under review.
- Submitted proposal on project titled “Design & Development of Low Cost Health and Fitness Monitor using IoMT” under Research Promotion Scheme- Applied.
- Submitted proposal to SERB under CRG scheme.

#### **JOURNAL PUBLICATIONS**

1. A.Mahesh Babu, Dr. S. Krishna Veni, GSB Raghavendra and GSK Gayatri Devi, “Massive MOMO Receiver Design with Channel state Information”, Design Engineering, ISSN: 0011-9342,2021.
2. Dr. S. Krishna Veni and GSK Gayatri Devi, “Defected Ground Structure based Microstrip Patch Antenna for C-Band Applications”, Solid state Technology, ISSN: 0038111X, vol.63, Issue-6, 2020, Scopus Indexed.
3. GSK Gayatri Devi and Dr. S. Krishna Veni, “Design of CCAA for Optimized Difference Patterns”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-8, June 2020, Scopus Indexed.

4. Dr. S. Krishna Veni and GSK Gayatri Devi,' "Design and Comparison of Micro strip Patch Antennas for Wireless Body Area Network", International Journal of Engineering & Technology, vol.7, (2018). Scopus Indexed.
5. Dr. S. Krishna Veni, Thota Sunil Raj and Mr. N.V. Siva Krishna, "CRYPTOGRAPHY -THE ART OF WRITING OR SOLVING CODES", International Journal of Advance Research in Science and Engineering , Volume 06, Issue 05 and May 2017. (UGC APPROVED- 47721) ISSN: 23198346. IMPACT FACTOR:2.83 (A R Research publication)
6. S.Krishna Veni and Dr. G.S.N.Raju, "Pattern Synthesis using Particle Swarm Optimization" International Journal of Modern Trends in Engineering and Research, vol.03, no.2,pp.309-316, 2016. UGC APPROVED- 44669 ISSN: 23938161. IMPACT FACTOR:4.364
7. S. Krishna Veni and Dr. G.S.N.Raju, "Generation of Dual-beam Patterns using Particle Swarm Optimization," International Journal of Computer Applications.No.2. Vol.113, March, 2015. UGC APPROVED: 63153, EISSN: 19257074 IMPACT FACTOR: 3.1524
8. S. Krishna Veni and Dr. G.S.N.Raju, "Pattern synthesis using Real Coded Genetic Algorithm," Association for the Advancement of Modelling and Simulation techniques in Enterprises, France, 2014. ISSN: 1240-4543, Series: Advances B; Vol. 57; No 2; pp 57-71.
9. S. Krishna Veni and Dr. G.S.N.Raju, "Pattern Synthesis using Particle Swarm Optimization and Woodward Lawson Method," National Journal of Electromagnetic Compatibility, India, I.K. International publishing house pvt, Ltd., pp.13-17, Vol.24. No.1, 2014.

#### **CONFERENCE PUBLICATIONS**

1. Dr S,Krishna Veni and Dr, GSK Gayatri Devi, " Synthesis of CCAA using Grey Wolf Optimizer," IEEE International Conference on Intelligent Systems and Green technology (ICISGT-2019), pp,29, IEEE Hyderabad section and IEEE Vizag Sub Section **Andhra University College of Engineering (A), 29-30 June 2019.**
2. S. Krishna Veni and Dr. G.S.N.Raju, "Ramp Patterns from Circular arrays using Particle Swarm Optimization," **13<sup>th</sup> International Conference on Electromagnetic Interference and Compatibility (INCEMIC), pp. 507-514, Andhra University College of Engineering (A), 2015.**
3. S. Krishna Veni and Dr. G.S.N.Raju, "Design of arrays for sector beams of desired width using EM simulator," **National Conference on Advances in Communication, Navigation & Computer Networks (ACNCN'12), Andhra University, Visakhapatnam, March 2012.**

- S. Krishnaveni and Dr. G. S. N. Raju, “A Method of conversion of patterns of symmetrical sidelobes into a patterns of nonsymmetrical sidelobes,” **International Conference on Microwaves, Antennas and Remote Sensing (ICMARS-2011), Jodhpur, 7-10 December 2011.**

#### **PATENT PUBLICATIONS**

- Published a Patent in IPR with title “Image Compression in automatic contrast enhancement system with curve fittings”, October,2020.
- Design & Development of Low Cost Health and Fitness Monitor using IoMT- in progress.

#### **NPTEL COURSES:**

Successfully completed NPTEL online certification Course on “NBA Accreditation and Teaching –Learning in Engineering (NATE)” in 2020.

#### **LIST OF SEMINARS/FDPS/ WORKSHOPS ORGANIZED:**


S.No	Title of the Seminar/Conference/Workshop/FDP	Date	No of days	Funded by
1	Webinar on “Innovation to Entrepreneurship ... A journey of excitement”	04.07.2020.	1	MHRD IIC
2	Online FDP on “Advances in Sensor Technology-AST-2020”	02-11-2020 to 06-11-2020	5	ATAL

#### **FDPS/ WORKSHOPS/ STTPS ATTENDED:**

S.No	Name of the program attended	Program Organized by College/University	Type of the Program	Dates of the Program	No of days
1	Electromagnetics, Microwave, RF & Antenna Design Using Ansys HFSS	ShriVishnu engineering College for Women(A).	Online FDP	July 27th – August 01st, 2020.	6

2	NBA accreditation and teaching-learning in engineering (NATE)	SWAYAM	Online FDP	20.01.2020 to 20.04.2020	12 week Course
3	Meta material applications and Evolutionary Techniques	Department of ECE in association with Electronics & ICT Academy at NITW	FDP	from 22 <sup>nd</sup> to 27 <sup>th</sup> April, 2019	6
4	RF antenna design for EMC applications	Electronics & ICT Academy, GITAM	FDP	28-01-2019 to 02-02-2019.	6
5	“Design and Simulation of Miniature Antenna for IOT Applications”	MVGR College of Engineering (A),	Online STTP	29-06-2020 to 04-07-2020.	6
6	IoT	Andhra Pradesh State Skill Development Corporation (APSSDC).	Online FDP	18.05.2020 to 30.05.2020	12
7	Recent communication tools and its application	St. Martin’s Engineering College (A).	Online FDP	19.05.2020 to 23.05.2020	5
8	Antenna Design and Analysis using FEKO	Gayatri Vidya Parishad College for Degree and PG Courses (A).	Online FDP	22.06.2020 to 24.06.2020	3
9	Outcome Based Education software	VMEDULIFE SOFTWARE SERVICES	ONLINE FDP	28.05.2020	1

### PROFESSIONAL MEMBERSHIPS:

-  Life Member of the Institution of Electronics and Telecommunication Engineers (**IETE**)  
Membership No: **AM-230172**

- ✚ Member of Institute of Electrical and Electronics Engineers, Inc (**IEEE**) since 2009.  
Membership No: **90808905**
- ✚ Member of The Institution of Engineers India (**IEI**) since 2005  
Membership No: **M-1603900**
- ✚ Life Member of Society of EMI/EMC Engineers (**SEMCEI**) since 2011  
Membership No: **LM-1082**
- ✚ Member of International Association of Engineers IAENG  
Membership No: **234584**