

## Curriculum vitae

**Dr.K. SRINIVASA RAO**

D. No. : 1-51-8/3, Flat No: 101,  
Sai Maruthi Residency, Sector-01,  
M.V.P Colony,  
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Andhra Pradesh.



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### Educational Qualifications

S. No	Course	Branch / Specialization	Institute / University	Month & Year
1	Ph.D	E.C.E / Wireless communications	J.N.T University Kakinada	May, 2016
2	M.Tech	E.C.E / I&CS	J.N.T University Kakinada	Oct, 2007
3	B.Tech	E.C.E	D M S SVH College of Engineering, Machilipatnam.	April, 2002

### Teaching Experience : 17 years

S.No.	College	University	Post held	Duration		Ratified (Y/N)	Date of Ratification	Exp. in yrs
				From	To			
1	G.V.P College of Engineering for Women, Visakhapatnam.	J.N.T.U Kakinada	Associate Professor	1 <sup>st</sup> July 2016	Till date	Y	17-09-16	5 Years and 2 Months
2	G.V.P College of Engineering for Women, Visakhapatnam.	J.N.T.U Kakinada	Assistant Professor	17 <sup>th</sup> June 2010	30 <sup>th</sup> June 2016	Y	12-09-12	6 years
3	Vignan's Institute of Information Technology, Gajuwaka, Vadlapudi, Visakhapatnam	J.N.T.U Kakinada	Associate Professor	1 <sup>st</sup> July 2008	17 <sup>th</sup> June 2010	N	--	3 years 6 months
4		J.N.T.U Kakinada	Assistant Professor	5 <sup>th</sup> Dec. 2006	30 <sup>th</sup> June 2008			
5		J.N.T.U Kakinada	Assistant Professor	27 <sup>th</sup> Nov. 2006	5 <sup>th</sup> Dec. 2006			
6	G.V.P College of Engineering, Visakhapatnam	J.N.T.U Kakinada	Assistant Professor	8 <sup>th</sup> Sept 2003	30 <sup>th</sup> Oct 2006	N	--	3 years 1month

Title of Ph.D thesis : PERFORMANCE ANALYSIS OF MIMO-OFDM SYSTEMS

### Credentials:

1. Co-PI for the Consultancy Project: "Study and Development of Temporal Sidelobe Level Reduction Methods for Pulse Doppler Radars" has been sanctioned by Electronics & Radar Development Establishment (LRDE), DRDO, Bangalore, the amount Rs 9.5 lakhs with the period of one year duration w.e.f April 2021.

2. [NBA presentation for ECE department has been given based on OBE on 29-12-2019.](#)
3. Reviewer for the journal: 2 (1.EURASIP Journal on Wireless Communications and Networking, 2. JWCN)
4. Member of BoS for the department of ECE of GVP Technical campus from AY: 2018-2019.
5. Paper setter for the subjects: 1.DSP, 2.SS, 3.AC, 4.EDC, 5. ECA, 6. Instrumentation of ECE department in GIET, Rajamanduary, AP.
6. Coordinator for 5 FDPs conducted in the department.
7. GATE qualified in the year 2003 with percentile 90.73.

### **Papers publications**

#### **International Journals: 8**

- [1] **K.Srinivasa Rao** “Multiuser Detection and Channel Estimation for CDMA System under Flat Fading Channels”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-4, February 2020, 2884, SCOPUS Indexed, DOI: 0.35940/ijitee.D1614.029420
- [2] **K.Srinivasa Rao** “Multiuser Detection using NOMA Technique in FD-MC-CDMA System in Fading Channels”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-2, December 2019 3247, SCOPUS Indexed, DOI: 10.35940/ijitee.B7774.129219
- [3] **K.Srinivasa Rao**, N.Roopa Vathi, “Performance Analysis of MIMO-OFDM Using NCT Companding Transform”, International Journal of Electronics Engineering Research (IJEER), Volume 9, Number 3 (2017), pp. 409-427. Index Copernicus.
- [4] **K.Srinivasa Rao**, Dr.B.Prabhakara Rao “Non-Linear Companding Transform Aided MIMO-OFDM Systems,” IOSR Journal of Electronics and Communication Engineering (IOSR-JECE) e-ISSN: 2278-2834, p- ISSN: 2278-8735(IF: 1.56).Volume 9, Issue 5, Ver. II (Sep - Oct. 2014), PP 22-30.
- [5] **K.Srinivasa Rao**, Dr.B.Prabhakara Rao “Performance Evaluation of Non Linear Companding Transform MIMO-OFDM,” international Journal of Computer Applications (IF: 0.791), (0975 – 8887) Volume 95– No. 11, June 2014.
- [6] **K.Srinivasa Rao**, Dr.B.Prabhakara Rao “PAPR Analysis by Adaptive Active Constellation Extension for STBC MIMO-OFDM Systems.” International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE, ISSN 2278 – 3091 – (IF: 0.378), Vol.2, No.5, Pages: 59-63 (2013)
- [7] **K.Srinivasa Rao**, Dr.B.Prabhakara Rao “PAPR Reduction of STBC MIMO-OFDM Systems Using Adaptive Active Constellation Extension”, i-manager’s Journal on Wireless Communication Networks, page no: 1-7, Vol. 1. No. 3. October – December 2012. ISSN: 2319-4839(Print), ISSN: 2320-2351(Online).
- [8] **K.Srinivasa Rao**, Dr.B.Prabhakara Rao, Dr.M.V.S Sairam “Peak-to-Average power reduction in MIMO-OFDM Systems using Sub-Optimal Algorithm” in International Journal of Distributed and Parallel systems (IJDPS), page nos: 261-274, Vol. 3, No.3, May 2012. ISSN: 0976-9757 (Online), 2229-3957 (Print). Indexing: Google Scholar.

#### **International Conferences: 03**

- [1] **K.Srinivasa Rao**, Prof.K.Raja Rajeswarim , N.Roopa Vathi “Opportunistic Subcarrier Allocation scheme for FFR-aided LTE networks”, 49<sup>th</sup> Mid Term Symposium (MTS-2018) on Recent Trends in Wireless Communications during 8-9<sup>th</sup> April, 2018 at AUCE(A), Visakhapatnam. This paper was submitted to Springer Journal, status is under review.
- [2] **K.Srinivasa Rao**, Dr.B.Prabhakara Rao “Novel Scheme for reduction of PAPR of MIMO-OFDM based on Non-linear companding transforms”, ICCNASP-2013, International conference on Communications, Networking and Signal processing held during 19-21 September, 2013 at VIT, Vellore.

[3] Katyayani Kaligathi, **K.Srinivasa Rao**, Seetala Santha Kumari, and G. Prabhakara Rao “Performance Analysis of DSSS System Using Adaptive Filters in Interference Prone Environment”, S.C. Satapathy et al. (Eds.): Proceedings of the InConINDIA 2012, AISC 132, pp. 309–317. Springer link.com © Springer-Verlag Berlin Heidelberg 2012.

**Online Certification Courses Completed:**

1. Analog Communications, Nov 2019, NPTEL, IIT Kharagpur.
2. Modern Digital Communication Techniques May 2019, NPTEL, IIT Kharagpur.
3. Evolution of air interface towards 5G, IIT Kharagapur, 8 weeks course, Feb to April 2020.
4. Programming for Everybody (Getting Started with Python) Coursera. 06/14/2020
5. Support Vector Machines with scikit-learn Coursera, 06/14/2020
6. Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning, Coursera 07/31/2020.
7. AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 27-04-2020 to 01-05-2020 at University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra.
8. 5-Day Workshop on Fight Covid-19 using “IoT”. Enovate Skill, a unit of Enovation Lab LLP, Chandigarh from 6th to 10th July, 2020.
9. 6 weeks on “Crash course on python”, Coursera from 01-08-20
10. 6 weeks FDP on “Introduction to Machine Learning”, Coursera from 01-09-20.
11. 4 weeks Online course on “MATLAB onramp course” MATLAB from 01-11-2020.

**Citations:** [https://scholar.google.com/citations?hl=en&view\\_op=list\\_works&gmla=AJsN-F53YCKz3QU\\_SVgIsOva\\_osSirCcdLM4qwCou9nzaKYFFSAyHXVzOk4-tPtHx4OiCLX2pvIIC4zHANLWBxMMbCW7CbZLGQ&user=ZcyjC54AAAAJ](https://scholar.google.com/citations?hl=en&view_op=list_works&gmla=AJsN-F53YCKz3QU_SVgIsOva_osSirCcdLM4qwCou9nzaKYFFSAyHXVzOk4-tPtHx4OiCLX2pvIIC4zHANLWBxMMbCW7CbZLGQ&user=ZcyjC54AAAAJ)  
<https://www.scopus.com/authid/detail.uri?authorId=57211721705>

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 Gayatri Vidya Parishad college of Engineering for women  
 Verified email at gvpcew.ac.in  
 Wireless Communications

	All	Since 2015
Citations	26	19
h-index	2	2
i10-index	1	1

TITLE	CITED BY	YEAR
Peak-to-average power reduction in MIMO OFDM systems using sub-optimal algorithm K Srinivasarao, B Prabhakararao, MVS Sairam International Journal of Distributed and Parallel Systems (JDPS) 3 (3), 216-273	24	2012
Opportunistic subcarrier allocation scheme for FFR-aided LTE networks KS Rao, NR Vathi 2017 International Conference on Trends in Electronics and Informatics (ICEI ...	2	2017
Multisuser Detection using NOMA Technique in FD-MC-CDMA System in Fading Channels KS Rao International Journal of Innovative Technoloov and Exolorino Engineering ...		2019

<b><u>Work Shops Attended</u></b>	:	15
<b><u>Projects guided</u></b>	:	B.Tech- 25, M.Tech- 03
<b><u>Areas of interest</u></b>	:	Analog and Digital Communications, Wireless Communications, & IoT, AI, ML.
<b><u>Administrative experience</u></b>	:	Head of the Department from AY:2018-19, Project coordinator, Lab in charge of AC-DC Lab.
<b><u>Membership associated</u></b>	:	MIETE

**Subjects Handled:**

- Analog communications, Digital Communications
- Telecommunication Switching Systems.
- Probability Theory & Stochastic Process
- Signals & Systems
- Digital Signal Processing
- Electronic Devices and Circuits
- Control Systems.
- Digital Logic Design
- Optical Communications

**Labs Handled:**

- Digital Communication lab, Analog Communication Lab.
- Digital Signal Processing Lab.
- IC/PDC Lab.
- Electronic Circuit Analysis Lab.
- Electronic Devices and Circuits Lab.
- DSD/DICA Lab.

**Workshops Conducted:**            04

1. The 5-Day Workshop on Fight Covid-19 using “IoT” via online mode organised by the Department of Electronics and Communication Engineering, GVPCEW in association with Enovate Skill, a unit of Enovation Lab LLP, Chandigarh from 6th to 10th July, 2020.
1. Three day workshop on “ADVANCED DIGITAL SIGNAL PROCESSING AND APPLICATIONS” (ADSPA -11), 2<sup>nd</sup> –4<sup>th</sup> July 2011, Department of E.C.E, GVPCEW.
2. Two day national level workshop on COGNITIVE RADIO TECHNOLOGIES (CRT-15), Department of E.C.E, GVPCEW, 25<sup>th</sup> –26<sup>th</sup> September, 2015.
3. Three day faculty development program on “Advanced Signal Processing and Communication Systems” department of E.C.E, GVPCEW, 22<sup>nd</sup> to 24<sup>th</sup> Nov’ 2017.

Date: 07-09-2021

(Dr.K.SRINIVASA RAO)