

## Profile

### **K.PRASANTHI**

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### **Academic Qualifications**

Class	Board/University	Year of Passing	Specialization/Area
M.Tech.	Sri Venkateswara University, Tirupati. (SVU)	2013	Electronic Instrumentation and Communication Systems
B.Tech.	Jawaharlal Nehru Technological University Hyderabad. (JNTUH)	2008	Electronics and Communication Engineering
Polytechnic	Board of Technical Education	2005	Electronics and Communication Engineering
SSC	Central Board of Secondary Education	2002	-

**Ph. D Thesis Title: -**

**Total Experience: 8 Years**

Organization	Position	From	To	No. of Years
School of Engineering and Technology, SPMVV, Tirupati.	Assistant Professor (Senior)	27 <sup>th</sup> June '2016	Till Date	2.5
School of Engineering and Technology, SPMVV, Tirupati.	Academic Consultant	27 <sup>th</sup> June '2014	15 <sup>th</sup> May '2016	2
CREC, Tirupati.	Assistant Professor	1 <sup>st</sup> May '2013	31 <sup>st</sup> May '2014	1

School of Engineering and Technology, SPMVV, Tirupati.	Academic Consultant	August'2008	30 <sup>th</sup> Nov'2010	2.5
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**Research Guidance:**

S.No	Name of the Candidate	Degree Awarded M.Phil/Ph.D	Year of Award	Title of the Thesis
-	-	-	-	-

**List of Subjects Taught:**

1. Pulse and Digital Circuits
2. Analog Communication
3. Digital Communication
4. Digital Electronics
5. Electronic Materials and Devices
6. Analog IC Applications
7. Communication Systems
8. Microprocessor and Interfacing
9. Digital design Using VHDL
10. Digital Image Processing and Pattern Recognition
11. Telecommunication Switching Networks

**Areas of Research Interest:**

- Digital Image Processing
- Digital Communications
- Digital Electronics

**Research projects completed:**

S. No.	Title of the project	Date of sanction and duration	Grant received	Funding agency	PI or Co-PI
-	-	-	-	-	-

**Projects applied/sanctioned/ongoing:**

S. No.	Project Title	Applied to (Funding Agency)	Applied on Month and Year	Estimated Cost (Rs)	Status
-	-	-	-	-	-

**Consultancy:**

S.No.	Project Title	Client	Revenue Generated (Rs.)	Month, Year	Status
-	-	-	-	-	-

**Number of Ph.D scholars Registered : -**

**Number of PG Projects Guided : 8**

**Number of UG Projects Guided : 28**

**Books published:**

S.No.	Name of the Authors	Title of the Book	Publisher Name	ISBN/ISSN	National/ International	Year of Publication
-	-	-	-	-	-	-

**Book Chapters Published:**

S.No.	Name of the Authors	Title of the Chapter	Title of the Book	Publisher Name	ISBN/ISSN	National/ International	Year of Publication
-	-	-	-	-	-	-	-

**Faculty Research Publications:**

Year	Papers Published in International Journals	Papers Published in National Journals	Total	International Conference Publications	National Conference Publications	Total
2018	1	-	1	2	-	2
2017	1	-	1	2	-	2
2016	1	-	1	3	-	3
2015	1	-	1	-	-	-
2014	-	-	-	-	-	-

2013	1	1	2	-	-	-
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**Membership in Professional organizations: -**

### **List of Publications in International Journals**

1. **P.S.L.Tanuja, K.Prasanthi,(January 2020)Reduction of Test Data with Hybrid Test Points in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-3, January 2020.(ELSEVIER, SCOPUS)**
2. Prasanthi, K,Mrs.P.ParvathiK.Mydhili,(April,2018)Design and Simulation of Microstrip Patch Antenna for Bistatic Radar . *In SSRG International Journal of Electronics and Communication Engineering (SSRG-IJECE)-Special Issue ICCREST April 2018*ISSN: 2348 – 8549.
3. K.Prasanthi,ShaikBenarjee, Jeldi Kamal Kumar, M.Durga Rao,(August,2017).Simulation and Implementation of Pulse compression Techniques using Ad6654 for Atmospheric Radar Applications In International Journal for Research in Applied Science & Engineering Technology (IJRASET).ISSN: 2321-9653
4. K.Prasanthi,KondalapuriRaajitha(October,2016). *In A Novel Approach for Design of MIMO-OFDM for Different Modulation Techniques under Different Channels.* ISSN 2319-8885 Vol.05,Issue.38
5. Prasanthi K, K. Lakshmi Sumanjali, Simulation and Modeling of Transmitter and Receiver Chain Using Visual System Simulator in International Journal of Applied Sciences, Engineering and ManagementISSN 2320 – 3439, Vol. 04, No. 03, November 2015, pp. 66 – 73
6. Ms.K.Prasanthi, Prof.T.Ramashri. An Effective Image Retrieval Technique Based on salient features of image.*In International Journal of Scientific & Engineering Research, Volume 4, Issue 2, February-2013* ISSN 2229-5518

### **List of Publications in National Journals:**

1. Prasanthi K, Prof.T.Ramashri, An Effective Image Retrieval Technique Based On Color And Texture To Salient Features Of Image.*Ini-manager's Journal on Communication Engineering and Systems, Vol. 2 | No. 1 | November 2012 - January 2013*

### **List of Publications in International Conferences:**

1. Suneel, A. S., Prasanthi, K.(2017, September). Effective usage of audio watermarking with the Fibonacci series in shielding the digital multimedia from malicious attacks. *In 2017 IEEE, 2017International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI)*(pp. 841-850). IEEE.
2. Suneel, A. S., Prasanthi, K.(2016, October). Multiple Input Multiple Output Cooperative Communication Technique Using for Spectrum Sensing in Cognitive Radio Network. *In 2016IEEE International Conference on Signal Processing, Communication, Power and Embedded System (SCOPE)*(pp. 2052-2063). IEEE.
3. K.Prasanthi (2016,October).Multiple Input Multiple Output Cooperative Communication Technique Using for Spectrum Sensing in Cognitive Radio Network *in international conference on signal processing communication,power and embedded systems(SCOUPES)-2016.*

4. Prasanthi k, Swaroopa Rani M,(2016,March).Image Retrieval Technique Based on the Feature of an image.*In 2016 ICCMBM2016 International conference on Computational, Mathematical and Biological Modelling.*
5. Prasanthi K (March 2017) . Implementation of Pulse Compression Techniques for Atmospheric RADAR Applications. *In the International Conference on Emerging Trends in Engineering, Science and Technologies(ICTEST-2017) Under TEQIP-II-1.2.*
6. Prasanthi K (April 2018) Design and Simulation of Microstrip Patch Antenna for Bistatic RADAR.*in International Conference on Current Research in Engineering Science and Technology (ICCREST-2018).*
7. Prasanthi k (August 2018). Design and Simulation of Edge Fed Microstrip Patch Antenna Array.*in International Conference on I-SMAC(IoT in Social, Mobile, Analytics and Cloud ) .*

**List of Publications in National Conferences:-**

**As a resource person in various events (Conferences – session chair/Seminars/Workshops/FDPs/Training Programs/Guest Lectures...)**

S.No.	Name of the Event	Organized by	Date	Number of Days
1	Malicious Software and it's Underground Economy	APHRDI, Bapatla.	29-8-2016 to 31-8-2016	3

**List of Events (Conferences/Seminars/Workshops/FDPs/Training Programs/...) organized:**

S.No.	Name of the Event	Organized by	Date	Number of Days
-	-	-	-	-

**List of Events (Conferences/Seminars/Workshops/FDPs/Training Programs/...) attended:**

S.No.	Name of the Event	Organized by	Date	Number of Days
1	Foundation Program in ICT for Education	IIT BOMBAY	13-09-2018 to 18-10-2019	14
2	THE INDIAN SCIENCE CONGRESS ASSOCIATION	Ministry of Science & Technology ,Government of India	03-01-2017 to 07-01-2017	5
3	Educational Administration Leadership	SPMVV,under RUSA	18-03-2016 to 19-03-2016	2

4	CBCS Awareness Program	SPMVV, under RUSA	16-03-2016 to 17-03-2016	2
5	Examination Reforms	SPMVV, under RUSA	30-03-2016 to 31-03-2016	2
6	Research Expo-2016	IIIT-Sri City, Satyavedu	22-10-2016	1
7	Intensive Soft Skills & Employability Skills	HCL and Aditya Birla Group C2c, SoET, SPMVV	09-05-2015 to 15-05-2015	7
8	MATLAB Applications to Engineering Problems	AITs, Tirupati	27-11-2015 to 28-11-2015	2
9	Signals and Systems	IIT Kharagpur	2-01-2014 to 12-01-2014	11
10	Analog Electronics	IIT Kharagpur	04-06-2013 to 14-06-2013	11
11	Role of Material Science in Engineering and Medicine	KTTC, Tirupati	01-10-2013 to 02-10-2013	2
12	Capacity Building of Women Managers in Higher Education	Dept of Population Studies & Social Work, SVU (by UGC)	25-06-2013 to 29-06-2013	5
13	Cloud Computing	UGC-SVU	08-11-2011	1
14	I-Robotics	MGIT-Hyd	25-02-2010 to 26-02-2010	2

#### **Administrative Experience:**

<b>S.No.</b>	<b>Organization</b>	<b>Academic Year</b>	<b>Name of Administrative Work</b>
1	School of Engineering and Technology, SPMVV	2016-2018	ECE Department Coordinator
2	School of Engineering and Technology, SPMVV	2018-2019	Alumini Coordinator