

## Faculty Personal Information



**Mr.S.RAJENDRA KUMAR**

<b>Designation</b>	:	Associate Professor
<b>Years of Experience</b>	:	17
<b>Email Id</b>	:	sraja070707@gmail.com
<b>Employment Status</b>	:	Full Time - Ratified by JNTUH
<b>Areas of Research</b>	:	RF IC Inductor
<b>UG Degree</b>	:	B. Tech (Electronics and Communication Engineering)
<b>PG Degree</b>	:	M. Tech(Electronics Design & Technology, NIT calicut)
<b>Ph.D</b>	:	pursuing

### **Achievements :**

1. Qualified UGC-NET for Asst.Professor in 2019.
2. Qualified in GATE-2002 with 93.34 percentile (All India Rank-1273)
3. Delivered guest lecture on DIGITAL SYSTEM DESIGN at Samskruthi College of Engineering & Technology during 8<sup>th</sup> to 9<sup>th</sup> Nov,2019.
4. Conducted a National level technical symposium E-Sandhan 2K15 on 31<sup>st</sup> March,2015 at GATES Institute of Technology.
5. Conducted a two day workshop on Digital Image Processing using MATLAB on 12<sup>th</sup> & 13<sup>th</sup> Oct, 2015 at GATES Institute of Technology, Gooty, Anantapur

### **Previous Experience :**

1. Worked as Asst.Professor at J.B.Institute of Engg. & Tech, Hyderabad, during Dec-2004 to May-2008.

2. Worked as Assistant Professor at GATES Institute of Technology, Gooty, Anantapur (Dist). during June 2008 to April 2010
3. Worked as Associate Professor at GATES Institute of Technology, Gooty, Anantapur (Dist). during May-2010 to May-2014.
4. Worked as H.O.D. at GATES Institute of Technology, Gooty, Anantapur (Dist). during June-2014 to May-2016.
5. Working as Associate Professor at ACE Engineering College since July-2016 to till date.

### **Subjects Taught**

1. Probability theory and Stochastic Process
2. Microprocessor and Microcontrollers
3. Electronics circuit analysis & Design
4. Linear IC Applications
5. Digital Signal Processing
6. Linear & Digital IC Applications
7. Digital signal Processor & architecture
8. Switching theory and logic design
9. Digital System Design
10. Computer organization & Microprocessor
11. Microprocessor & Interfacing

### **Name of publications in International journals:**

1. Development of A MATLAB Simulation for Vehicle-to-Vehicle and Infrastructure Communication Based on IEEE 802.11p, International Journal of Research in Advent Technology, Vol.5, No.10, October 2017 E-ISSN: 2321-9637
2. Enhancement of inductance and Q-factor of RF IC Inductor using magnetic material, IJRAT, Vol.6, No.6, June 2018 E-ISSN: 2321-9637
3. High frequency Gallium Arsenide MEMS based disk resonator, IJARECE, Vol-05, Issue 1, Jan 2016, ISSN:2278-909X
4. Non-contact hand motion classification technique for application to human machine Interfaces, IJSETR, ISSN 2319-8885, Vol.05, Issue.05, Feb-2016
5. Personal health monitoring system using wireless sensor network, IJOEET, Vol.2, Issue 1, Feb-2015
6. Microcontrol controlled optimal battery charging for a solar powered vehicle, IJOEET, Vol-2, issue1, Jan-2015
7. VLSI modeling of high speed area efficient encoding technique in dedicated short range communication application systems, IJEERT, ISSN 2349-4395, Vol-3, Issue 06, June-2015

**Memberships in Professional Bodies:** Member of Institution of Engineers

**Number of NPTEL courses completed :** 04

**Number of Faculty Development programs attended :** 18

**Number of workshops attended :** 03

**Number of webinars attended :** 17

**Projects guided :** B.Tech -27, M.Tech - 04

**Additional Responsibilities in the Department:** In charge of time table