

## Faculty Personal Information



**Dr. Pokuri Sumithabhashini**

<b>Designation</b>	:	Professor
<b>Years of Experience</b>	:	15
<b>Email Id</b>	:	Pokurisb8@gmail.com
<b>Employment Status</b>	:	Full Time - Ratified by JNTUH
<b>Areas of Research</b>	:	Wireless Communications
<b>UG Degree</b>	:	B. Tech (Electronics and Communication Engineering)
<b>PG Degree</b>	:	M. Tech(Instrumentation and Control System)
<b>Ph.D</b>	:	Wireless Communications

### **Subjects Taught:**

1. Probability theory and Stochastic Process
2. Control systems
3. Linear IC Applications
4. Digital Signal Processing
5. Cellular and Mobile communications
6. Satellite communications
7. Switching theory and logic design
8. Pulse and Digital Circuits
9. Electronic Devices and Circuits
10. Electronic Circuit Analysis
11. Wireless Communication
12. Analog Communication
13. Digital Communication
14. Microprocessor and Microcontroller

#### **No. of publications in International journals:**

1. **Ch Paparao, Dr.P.Sumithabhashini** "Variable Rate Spreading Scheme For Mcdma System Over Longer Delay Channels" International Journal of Science & Technology, ISSN (online): 2250-141X Vol. 6 Issue 4, October 2016
2. **Y.Smruthi, Dr.P. Sumithabhashini**"A Study on reduction of radio traffic jam in wireless communication using cognitive radio"International journal of innovative research and advanced studies,,(IJIRAS),vol3,issue11Oct2016.
3. **Ch Paparao, Dr.P.Sumithabhashini** "Multiuser detection using BPSK modulation with adaptive filter",ELIXIR International Journal,ISSN2229-712X,Vol ,Pg41351-41354, 2016.
4. **Ch.Paparao, Dr.P.Sumithabhashini**"Optimum bit error rate for linear Multiuser wireless communicationELIXIR,International journal,ISSN2229-712X,Vol pigno:41341-1350,2016
5. **Fareed. M. A, Dr. P Sumithabhashini**, "A Secure data Communication in WiFi Technology using encryption & decryption, IJMETMR, ISSN No.2348-4845,vol1, issue no:12,december 2014.
- 6..**Alladi Ramesh, Dr.P.Sumithabhashini Prof. K. Jaya Bharathi**" Performance Comparison and Evaluation of Proactive,Reactive and Hybrid Routing Protocols in MANET" International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering(IJAREEIE)Vol. 3, Issue 6, June 2014
- 7.**Alladi Ramesh, Dr. P.Sumithabhashini,**" Analyzing the performance of GTS allocation using markov model in IEEE802.15." International Journal of Computer Science and Information Technologies (IJCSIT) Vol No.3, Issue No.2 2012.
- 8.**Ch.Papa Rao ,Dr P.Sumithabhashini, N.Srinivas**, "The Adaptation Algorithm of TCP performance Rate for IEEE 802.11 Networks", International Institute of Engineering and technology research center (IIETRC) Vol No.1, Issue no. 1.2011.
- 9.**Ch.Papa Rao ,Dr P.Sumithabhashini, Dr P.Chandrasekhar Reddy,**

**N.Srinivas**, “The Trade off with modulation in 802.15.4 WPAN for wireless sensor networks”, International Institute of Engineering and technology research center (IETRC) Vol No.1, Issue no. 1,2011

**10.N. Srinivas , Dr. P. Sumithabhashini, Ch. Paparao**, “The Adaptation Algorithm Of Tcp Performance Rate For IEEE 802.11 Networks” International Institute Of Engineering And Technology Reserch Center (IETRC) Vol No. 1, Issue No. 1, 2011

**11.P.Sumithabhashini, Prof N.C. Eswar Reddy**, “Reduction of co channel interference in global system for mobile communication “, International journal of wireless networks and communications (IJWNC), Vol: 1, .No:1 2009

**12.P.Sumithabhashini, Prof N.C. Eswar Reddy**, “Indirect methods for Reduction of co channel interference in cellular systems”, journal of Advances in wireless and mobile communications (AWMC), vol.1, No.1-3, 2008

**13.P.Sumithabhashini, Prof N.C. Eswar Reddy**, “Reducing the co channel interference in cellular mobile system using titled antenna pattern with notch”, international journal of electronics engineering research (IJEER),vol1 no 1 2008

**14.P.Sumithabhashini, Prof N.C. Eswar Reddy**, “Effect of widely linear receiver on the reduction of co channel interference in GSM”, international journal on electronic and electrical engineering (IJEEE), vol.1, No: 1, 2008

**15.P.Sumithabhashini, Prof N.C. Eswar Reddy**,”Comparisions of Various Techniques for suppression or Cancellation of Co channel Interference in GSM” Journal of Mobile Communication, Medwell Journal,ISSN 1990-794X,2008

#### **Projects guided:**

- 1.** B.Tech – 60
- 2.** M.Tech- 15

#### **Memberships in Professional Bodies:**

- 1. IEEE,ISTE**

#### **Number of Ph.D ‘s under Supervision :**

**1.02 (Under JNTUH)**

**Sessions/Symposium chaired/ Organized : 8**

**Reviewer/Editorial Board :**

1. Integrated Editorial / Reviewer Board member in **BIOHOUSE** Publishing Group

2. Advisory Board Member in **PEZZOTTAITE JOURNALS**

**Additional Responsibilities**

**Member in Department Advisory Board**

**Member in Women Empowerment Cell**