

Name : **Dr. A. BHARATHI**

Qualification : Ph.D.

Designation : Assistant Professor

Organization : Electronics and Communication Engineering Department  
University College of Engineering, Osmania University,  
Hyderabad-500007

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Teaching Experience : 14 years

Areas of Interest : Microwave Antennas, Electromagnetic Theory,  
Microwave and RF Circuit Design, Radar Systems

### Educational Qualifications

Degree	Year of Passing	University/ Institution	Subject	Div / Class
B. Tech.	2001	JNTUH, Hyderabad	Electronics & Communication Engineering	First Class with Distinction
M. E	2004	Osmania University Hyderabad	Microwave & Radar Engineering	First Class with Distinction
Ph. D	2018	JNTUH, Hyderabad	Reconfigurable Microstrip Antennas for Wireless Communications	

### Details of Service

Grade/Post	From	To	Estt/Lab/Institution
Asst. Professor	01-07-2004	15-06-2005	Jyothi Engg. College, Patancheru.
Asst. Professor	16-06-2005	31-05-2006	GRIET, Bachupalli, Hyderabad.
Asst. Professor	1-06-2006	30-06-2008	CVR College of Eng., Ibrahimpatnam
Sr. Asst. Professor	1-07-2008	30-09-2008	CVR College of Eng., Ibrahimpatnam
Associate Professor	1-10-2008	06-09-2013	CVR College of Eng., Ibrahimpatnam
Asst. Professor	6-09-2013	-Till Date-	University College of Engineering, Osmania University, Hyderabad.

## Membership of Professional Societies/Institutions

- : 1 Life Member of **IETE**  
(Member No: M 236861 )
- 2 Member of **IEEE**  
(Member No. 90538233)

## Courses taught for PG and UG

- |                                     |                            |
|-------------------------------------|----------------------------|
| (a) Microwave Engineering           | (d) Digital Communications |
| (b) Radar Engineering               | (e) Microwave Antennas     |
| (c) Transmission lines and Antennas | (f) Electromagnetic Theory |
| (g) Microwave Circuits              | (h) Digital Electronics    |

## Research Publications

### (a) International Journal Publications

1. A. Bharathi, Lakshminarayana Merugu, P.V.D. Somasekhar Rao, "A Novel Single Feed Frequency and Polarization Reconfigurable Microstrip Patch Antenna", International Journal of Electronics and Communication (AEU), ELSEVIER, Vol.72, February 2017, pp. 8–16.
2. A. Bharathi, Lakshminarayana Merugu, P.V.D. Somasekhar Rao, "A quad-polarization and frequency reconfigurable square ring slot loaded microstrip patch antenna for WLAN applications" International Journal of Electronics and Communication (AEU), ELSEVIER, Vol.78, August 2017, pp. 15-23.
3. A. Bharathi, Lakshminarayana Merugu, P.V.D. Somasekhar Rao, "Design of Polarization Reconfigurable Microstrip Antenna with Frequency Tuning" Forum for Electromagnetic Research Methods and Application Technologies (FERMAT) JOURNAL, University of Central Florida, USA. Vol. 20, Mar 2017.

### (b) International Conference Publications

1. A. Bharathi, Lakshminarayana Merugu, P.V.D. Somasekhar Rao, "Polarization Agile Microstrip Antenna for Wireless Communication", IEEE Conference INDICON 2012, December 7-9, 2012, Cochin, Kerala, pp. 715-718.
2. A. Bharathi, M. Lakshminarayana, P.V.D. Somasekhar Rao, "A Polarization Reconfigurable Microstrip Antenna" proceedings of Pearl Jubilee International Conference on Navigation and Communication (NAVCOM-2012), December 20-21, 2012, Hyderabad, pp. 205-208.
3. A. Bharathi, Lakshminarayana Merugu, P.V.D. Somasekhar Rao, "Quad Polarization Reconfigurable Antenna with Cpw-To-Slot Line Transition", proceedings of 10th International Radar Symposium India 2015 (IRSI-15), 15-19 Dec 2015 at NIMHANS Convention Centre, Bangalore.

4. A. Bharathi, Lakshminarayana Merugu, P.V.D. Somasekhar Rao, "Design of Polarization Reconfigurable Microstrip Antenna with Frequency Tuning" International workshop on Antenna Technology (iWAT-2016), 29th Feb - 2nd March 2016, Florida, U.S.A., pp. 150-154.
5. A. Bharathi, M. Lakshminarayana, P.V.D. Somasekhar Rao, "Polarization Reconfigurable Square Slot Ring Antenna with CPW-to-Slotline Transition", IEEE TENCON 2016, Technologies for Smart Nation 22 - 25 Nov 2016, Marina Bay Sands, Singapore, pp. 1064-1067.
6. A. Bharathi, Lakshminarayana Merugu, P.V.D. Somasekhar Rao, "A Polarization Reconfigurable Array Antenna for Wireless Communication," IEEE Asia Pacific Microwave Conference (APMC 2016), 5 - 9Dec, 2016, New Delhi, India, Delhi.
7. A. Bharathi, "Ultra-wideband Rectangular Slot Antenna With U-Shaped Tuning Stub", IEEE TENCON 2016, Technologies for Smart Nation 22 - 25 Nov 2016, Marina Bay Sands, Singapore.
8. A. Bharathi, V.M Pandhari Pande "Design And Development of Antenna with U-Shaped Tuning Stub for UWB Applications" International Conference INDICON 2016, 16-18 Dec 2016, IISC Bangaluru, Bangaluru, India.
9. A. Bharathi, Lakshminarayana Merugu, P.V.D. Somasekhar Rao, "Air Suspended U-slot Polarization Reconfigurable Microstrip Antenna for Wireless Communication," International Conference on Antenna Innovations and Modern Technologies (iAIM-2017), during 24-26 November 2017, Bangalore, India.

#### **Positions Held**

1. Secretary, IEEE MTT/AP/EMC Joint Chapter, IEEE Hyderabad Section, Telangana.

#### **Research Projects: (1)**

Duration : 1.5 Years

Funding Agency : TEQIP – II, Seed Money Project.

Title : Ultra wide band Antenna for Cognitive Radio Applications.