

Dr. K.G. AVINASH

Assistant Professor

Dept of E&CE

Bapuji Institute of Eng. & Technology

Davangere-577004, Karnataka

Mobile: +91-9629776764

kgavinash@rediffmail.com



Work Experience: 15 years

- Currently working as a *Assistant Professor* in the Dept. of E&CE, Bapuji Institute of Engineering and Technology, from September 2012 to till date
- Worked as a *Lecturer* in the Dept. of E&CE, Bapuji Institute of Engineering and Technology, Davangere from September 2003 to August 2012.

Research Experience: 3 Years 9 Months

- Worked as a *Full-Time Research Scholar* in the School of Electronics Engineering, VIT University from August 2013 to May 2017.

Industry Experience: 8 Months

- Worked as *Project Trainee* in Centre for Development of Advanced Computing- CDAC, Bangalore, Karnataka, from October 2002 to May 2003.

Educational Qualification:

- Ph.D. in School of Electronics Engineering from VIT University, Vellore, 2017
Field of Research: Microwave Engineering.
- M.Tech. [Communication Systems] from PDACET, Gulbarga, Visveswaraya Technological University (VTU), 2004 with first class.
- B.E. [E&C] from Bapuji Institute of Engineering and Technology, Kuvempu University, 2000 with first class.

Memberships:

- Life Member of Indian Society of Technical Education ISTE-LM-43417
- Life Member of Institution of Electronics & Telecommunication Engineers IETEM219039.

Peer Reviewed Publications:

Journals:

1. Avinash. K.G. and Srinivasa Rao I., 2017. Highly selective dual-mode microstrip bandpass filters using triangular patch resonators. *Advanced Electromagnetics*, 6(1), pp. 77-84.
2. Avinash. K.G. and Srinivasa Rao I., 2017. Compact dual-mode microstrip bandpass filters with transmission zeros using modified star shaped resonator. *Progress in Electromagnetics Research C*, 71, pp. 177-187.
3. Avinash. K.G. and Srinivasa Rao I., 2017. Compact dual-band bandpass filter based on dual-mode modified star shaped resonator. *Microwave and Optical Technology Letters*, 59(3), pp. 505-511.

International Conferences:

1. Avinash, K.G. and Srinivasa Rao, I. (2015), Design of Bandpass Filter Using Star Loop Dual Mode Resonator, in 'IEEE International Conference on Communication and Signal Processing- ICCSP'15', pp. 0238-0241.
2. Avinash, K.G. and Srinivasa Rao, I. (2015), Design of Microstrip Meandered Dual Mode Wideband Bandpass Filter using Quarter Wavelength Stubs, in '5th IEEE International Conference on Advances in Computing and Communications- ICACC'15, pp.307-310.
3. Avinash, K.G. and Srinivasa Rao, I. (2015), Design of Microstrip Narrowband Bandpass Filter Using a Star Shaped Defected Ground Structure, in 'IEEE International Conference on Applied and Theoretical Computing and Communication Technology-ICATCCT'2015', pp.92-94.
4. Avinash, K.G. and Srinivasa Rao, I. (2015), Design of Compact Meandered Dual Mode Wideband Bandpass Filter using Tuning Stubs', in 'IEEE II International Conference on Microwaves and Photonics- ICMAP'15, pp.1-2.
5. Avinash, K.G. and Srinivasa Rao, I. (2015), Design of Microstrip Wideband Bandpass Filter using U Shaped Defected Ground Structure', in 'IEEE International Conference on Microwave, Optical and Communication Engineering- ICMOCE'15, pp.103-105.

Dissertation Details:

- Ph.D.: "Compact Single And Dual-Band Microstrip Bandpass Filters With Transmission Zeros Using Dual-Mode And DGS Resonators"

- **M.Tech.: “TCP Enhancements For High Speed Grid Access” *Research***

Interests:

- **Microwave Engineering : Design of Microwave Passive Components and Antennas**

Awards:

- **Awarded as a best teacher for 03 times from the college for achieving 100% result in the subjects handled.**

Expert Lectures Delivered:

- **Worked as a guest faculty for teaching Basic Electronics for BCA students at Bapuji Hi-tech Education College, Davangere**
- **Delivered a technical talk on “Radar Systems” at Bapuji Polytechnic College, Davangere on 05-02-2018.**
- **Worked as Faculty Counsellor of IGNOU BIET CHAPTER**

Seminars/Workshops/Events Organized:

- **Coordinated Two Day Faculty Development Program on “Labview and its Applications” conducted on August 2nd& 3rd, 2012 in the department of E&CE, BIET, Davangere.**
- **Coordinated National Conference on “Recent Advances in Electronics and Communication Engineering” NCRAECE-17 conducted on 13th October 2017 in the department of E&CE, BIET, Davangere. *STTP/Summer/Winter Schools:***

- **Two weeks training program on “Intellectual Property Rights for PICs and rd April to May, 2018, SSN College of Engineering, Perundurai, IPCU’s”, 23 Chennai.**
- **Short term course on “Metamaterials and Applications”, 14th -20th December 2017, IIT Kharagpur.**
- **Short term course on “Analysis and Implementation of Dielectric Resonator Antennas”, 21st – 26th November, 2016, IIT Kharagpur.**
- **AICTE Sponsored STTP Course on “Biomedical Systems, Signals & Images”, 21st-25thNov 2011, IITM, Chennai.**
- **TEQIP sponsored workshop on “Signals, Systems & Wavelets”, 21st-26th Jan 2006, SJCE, Mysore.**

Seminar/ Workshops Attended:

- **Participated in the tutorial session on “Design of Antennas for Modern Communication Systems” in ICCNASP-2013, International Conference on Communications, Networking and Signal Processing held on 19th September 2013.**

- Attended one day workshop on LTE Multi Antenna Techniques using MATLAB on 9th March 2013 at VIT University, Vellore.
- Underwent a “Feel Teacher” Learning and Development Intervention conducted from 19th – 21st April 2013, at BIET, Davangere.
- Three days Workshop on “Advances in RF and Wireless Technologies” held at M.S. Ramaiah Institute of Technology, Bengaluru on 18th to 20th March 2013.
- Attended “Ramanujan Mathematics Awareness Programme” held on 1st March 2013 at Bapuji Institute of Engineering & Technology, Davangere.
- Attended Two day Faculty Development Program on “Labview and its Applications”, 2nd to 3rd August 2012.
- Two days FDP on “Low Power Embedded Systems Using Texas Instruments MSP430 Microcontroller”, 9-10, February 2012, BIET, Davangere.
- MOES sponsored seminar on “Wavelets for Earth Fractals Computation Research Focus”, 5th-7thJan 2012, Kongu Engineering College, Perundurai, Erode.
- Participated in the 3rdInternational Conference on “Cognition & Recognition” - ICCR-2011, 9th-10thDec 2011, Manasagangotri, Mysore. ▪ Participated in the Three day National Level workshop on “Signal & Image Processing”, 28th - 30thJuly 2011, Reva ITM, Bangalore.
- Mathematics & Its Applications in Engineering, 18thFeb2010, BIET, Davangere.
- Participated one day seminar on “Recent Trends in Nanotechnology” held on 20th September 2008, BIET, Davangere.
- Two day workshop on “Entrepreneurship & Management during 1st & 2nd August 2008
- One day workshop on “Mathematical Applications in Engineering Systems” October 2007 held at BIET, Davangere. 2007” on 27
- Industrial Automation, 4thOct 2007, BIET, Davangere.
- TEQIP sponsored state level workshop on “Digital Image Processing & Computer Vision”, 4th-5thMay 2007, MCE, Hassan.
- Embedded System Design, 27thApril 2007, BIET, Davangere.
- Tanner Tools –Pro, 16thNov 2006, BIET, Davangere.
- ISTE 35thAnnual Convention, Disaster prediction, Prevention & Mgmt, 15th-17th Dec2004, BIET, Davangere.
- Recent advances in Power Electronics, 9th-10thDec 2005, SSIT, Tumkur.

Guided UG projects entitled

- Text Dependant Voice Recognition System (2006-07)
- Active Kiosk with Speech (2007-08)
- GSM Based Luggage Security System (2008-09)
- Real Time Monitoring & Control of Remote Systems Using Zigbee based WSN’s (2010-2011)

Above projects were funded and selected by Karnataka State Council for Science & Technology, (KSCST) Bangalore.

Invited Lectures Organized:

- Invited Dr. D. S. Guru, DOS in Computer Science, University of Mysore, to deliver talk on “Image Processing & its Applications” on 27th April 2012.

- **Invited Dr. C. B. Suresh, Prof. In Mechanical Engineering, BIET, Davangere, 27th February 2008. to deliver talk on “Total Quality Management” on 27**
- **Invited Dr. Rajeshwari Banakar, Prof. & Head, Dept. of E&CE, BVBCCE, 5th Hubli, to deliver talk on “Introduction to VLSI Technology” on 5 September 2007.**
- **Invited Sri. Rajashekar T, Assistant Manager, Sapient Corporation, 30th Bangalore to deliver talk on “How students should face the Industry” on 30 March 2007.**
- **Invited Sri. Mahant Shetti, Managing Director, Karmic Design Centre Pvt. Ltd., Manipal to deliver talk on “Challenging Issues in VLSI” on 18th September 2006.**
- **Invited Sri Vishnumurthy Bhat, General Manager, BSNL-DavangereChitradurga Division to deliver talk on “Developments in Telecom Sector” on 9th June 2006.**
- **Invited Dr. K. Ravindra, Prof. In JJMC, Davangere, to deliver talk on 16th December 2005. “World AIDS Day” on 16**
- **Invited Prof. Y. Vrushabhendrappa, Principal, BIET, Davangere, to deliver 6th October 2005. talk on “Professional Ethics” on 6**
- **Invited Dr. T. Srinivas, Prof. In IISC, Bangalore, to deliver talk on “Optical 30th October 2004. Communication” on 30**
- **Invited Prof. S. K. Venkata Ram, Principal, SVPP, Belgaum, to deliver talk on “Teaching Learning Process” on 21th April 2004.**