



Mr. B. Ramesh

Assistant Professor

Department of Electronics & communication Engineering
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Interests: Computational Electromagnetics, Antennas, Filtennas, Tera Hertz Antennas,

Course Taught Previously

UG.

- Antennas and wave propagations (AWP)
- Electromagnetic Waves and Transmission Lines (EMWTL)
- Microwave Engineering(MWE)
- Electronic Switching Systems (ESS)
- Digital Communications (DC)
- Random Variables and Stochastic Processes (RVSP)
- Radar Systems (RS)
- Pulse and Digital Circuits(PDC)
- Data Communications
- **Laboratories Handled**
- Micro wave Engineering & Optical Communications Lab.
- Analog Communications Lab
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Publications

International Journals

- [1] **B. Ramesh, K. P. Vinay, Lal babu. P, Y.E. Vasanth Kumar, M. Meena Kumari**
"Circularly Polarized Microstrip Patch Antenna Using PBG Structures"
International Journal of Innovative Technology and Exploring Engineering (IJITEE)
ISSN: 2278-3075, Volume-8 Issue-6, April 2019. (**SCOPUS JOURNAL**).

- [2] **B. Ramesh**, K.P. Vinay, Lal Babu Prasad, K. S. Ravi Kumar and Dr. D. V. Rama Koti Reddy "**Micro Strip Patch Antenna with Multi-Split Ring Resonator Using DGS for Multi Band Applications**", International Journal of IOSR Journal of Engineering (IOSRJEN), Vol. 08, Issue 6 (June. 2018), ISSN (e): 2250-3021, ISSN (p): 2278-8719.
- [3] **B. Ramesh**, Mrs. M. Meena Kumari, Mr. Lal Babu Prasad and Dr. K. P. Vinay "**Design of Textile Microstrip Patch Antenna for Aeronautical & X-Band Applications**" International Journal of Electronics Engineering, Volume 10, Issue 2, pp. 681-684, June 2018-Dec 2018, (ISSN: 0973-7383).
- [4] **B. Ramesh**, L. Prasad, K.S.R. Kumar, K.P. Vinay "**Design and Implementation of Multiband Microstrip Patch Antenna for Wireless Applications**" ADVANCED ELECTROMAGNETICS, VOL. 7, No. 3, AUGUST 2018. **(SCI JOURNAL)**
- [5] **B. Ramesh**, K.S. Ravi Kumar, Lal Babu Prasad, Dr. K. P. Vinay, Prof P. Mallikarjuna Rao "**BROAD BAND COMB SHAPED MICOSTRIP PATCH ANTENNA FOR X-BAND & Ku-BAND APPLICATIONS**" American International Journal of Research in Science, Technology, Engineering & Mathematics, ISSN (Print): 2328-3491, ISSN (Online): 2328-3580, ISSN (CD-ROM): 2328-3629, 2017.
- [6] **B. Ramesh**, Lal babu Prasad, K S Ravi Kumar and Dr. K. P. Vinay "**Fan Shaped Patch with Fan Shaped Defected Ground Structure is designed for X-band Applications**" International Journals of Advanced Research in Computer Science and Software Engineering ISSN: 2277-128X (Volume-8, Issue-4, 2017).
- [7] **B. Ramesh**, K. Shrikar, L. Sai Vinodh and K. P. Vinay "**Design of 1x2 Triangular Shaped Microstrip Patch Antenna Array for WLAN Applications with DGS Structures**" International Journal of Innovative Research in Computer and Communication Engineering Vol. 3, ISSN: 2320-9801 Issue-4, March 2015.
- [8] **B. Ramesh**, Naveen JVSS, Varun Kumar and K.P. Vinay "**Design of Microstrip patch Antenna for GPS Applications using EBG Structures**" International Journal of Innovative Research in Computer and Communication Engineering Vol. 3, ISSN: 2320-9801 Issue-3, March 2015.
- [9] **B. Ramesh**, Dr. V. Rajya Lakshmi "**Design of Rectangular Microstrip patch Antenna using EBG Structures**" International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 Vol. 2 Issue 7, July – 2013.
- [10] **B. Ramesh**, Dr. V. Rajya Lakshmi and Prof. G. S. N. Raju "**Quad Band Circular Microstrip Antenna with Defected Ground Structure**" International Journal of Recent Advances in Engineering & Technology (IJRAET) ISSN (Online): 2347-2812, Volume. 1 Issue-2, 2013.

- [11] **B. Ramesh**, Dr. V. Rajya Lakshmi, Dr. G. S. N. Raju "**Design of Edge Gap Coupled Truncated C-Shaped Multiband Microstrip Antenna**" *International Journal of Engineering and Innovative Technology (IJEIT)* ISSN: 2277-3754 Volume 3, Issue 1, July 2013.
- [12] **B. Ramesh**, Dr. V. Rajya Lakshmi, Prof. G. S. N. Raju "**Design of E-Shaped Triple Band Microstrip Patch Antenna**" *International Journal of Engineering Research and Applications (IJERA)* ISSN: 2248-9622 Vol. 3, Issue 4, Jul-Aug 2013, pp.1972-1974.

Conference Proceedings

- [1] **B. Ramesh**, K.P. Vinay, Lal Babu Prasad, K. S. Ravi Kumar and Dr. D. V. Rama Koti Reddy, **Novel Bludgeon shaped Microstrip Antenna with DGS for UWB Applications with Notch band characteristics**, in: proceedings of 1st *International Conference on "Innovation in Electrical Power Engineering, Communication and Computing Technology (IEPCCT-2019)* during 13th – 14th December, 2019, SOA University, Bhubaneswar, Odissa. (**SPRINGER**)
- [2] **B. Ramesh**, K.P. Vinay, Lal Babu Prasad and Dr. D. V. Rama Koti Reddy, **Reconfigurable Rectangular Microstrip Patch Antenna for S- Band Applications**, In: *Proceedings of 5th International Conference on "Micro-Electronics, Electromagnetics and Telecommunications" (ICMEET-2019)* on December 6-7, 2019. (**SPRINGER**)
- [3] **B. Ramesh**, K. P. Vinay, Prof. P. Rajesh Kumar and Dr. D. V. Rama Koti Reddy, **Design of Textile Microstrip Antenna for UWB Applications**, In: *Proceedings of the Two Day National Symposium on "Trends in Electronics & Telecom"* at NIT-Warangal on February 17-18, 2017.
- [4] **B. Ramesh**, K.P. Vinay, Lal Babu Prasad and Dr. D. V. Rama Koti Reddy, **Design of Microstrip Patch Antenna for RFID Reader Applications**, In: *Proceedings of 2nd International Conference on "Micro-Electronics, Electromagnetic and Telecommunications" (ICMEET-2016)* on January 6-7, 2017. (**SPRINGER**)
- [5] **B. Ramesh**, K. Sri Lakshmi and Dr. V. Rajya Lakshmi, **A Triple Band Pentagonal Shaped DRA Array for X-BAND Applications**, In: *Proceedings of 13th International Conference on Electromagnetic Interference & Compatibility (INCEMIC-2015)* Andhra University on July 22-23, 2015.
- [6] **B. Ramesh**, M. Ramesh and Dr. V. Rajya Lakshmi, **Ultra-Wideband Hexagonal MIMO Antenna with Defected Ground Structure (DGS)**, In: *Proceedings of 13th International Conference on Electromagnetic Interference & Compatibility (INCEMIC-2015)* at Andhra University on July 22-23, 2015.
- [7] **B. Ramesh**, K. Deepa and Dr. V. Rajya Lakshmi, **Triple Band Aperture Coupled Microstrip Antenna for Wireless Applications**, In: *Proceedings of 13th International Conference on Electromagnetic Interference & Compatibility (INCEMIC-2015)* at Andhra University on July 22-23, 2015.

- [8] **B. Ramesh, Dr. V. Rajya Lakshmi, *Parametric Study of Rectangular DRA with Coaxial Probe Feeding*, In: Proceedings of All India Seminar on Telecommunication Switching Systems and Networks by Institute of Engineers India (IEI) at Andhra University on 22-23 March 2013.**
- [9] **B. Ramesh, Dr. V. Rajya Lakshmi, *Design of Ultra Wide Band (UWB) Circular Microstrip Antenna with DGS*, In: Proceedings of 4th IEEE Applied Electromagnetic Conference- 2013 conducted by IEEE AP-MTT joint Chapter, Kolkata Section at KIIT University, Bhubaneswar ON 18-20 December 2013.(IEEE-Conference)**
- [10] **B. Ramesh, Dr. V. Rajya Lakshmi and Prof. G. S. N. Raju, *Quad Band Microstrip Antenna with DGS*, In: Proceedings of 2nd International Conference on Information & Communication Engineering conducted by IRD-INDIA with ISBN: 978-93-81693-66-02 at Bangalore on 25th August 2013.**

Seminars, Workshops and STTPs

Workshops Attended:

- [1] Attended, a two day workshop on "CRUX OF WRITING JOURNAL PAPERS, RESEARCH PROJECT PROPOSALS AND PATENS, organized by Department of Mechanical Engineering held at Raghu Engineering College, Visakhapatnam, 27 – 28 April 2017.
- [2] Attended, a two day workshop on Basics of MATLAB, organized in association with IETE at Raghu Engineering College, Visakhapatnam, 19-20 April 2017.
- [3] Attended, a two day National Workshop on Android Application Development, in association with Society of Instrumentation Electronics Engineers (SIEE) at Andhra University, Visakhapatnam, 25-26 February 2017.
- [4] Attended, One Week National Workshop on SCI-LAB and optimization techniques by NITTTTR, Chandigarh at Raghu Engineering College, Visakhapatnam, July 2014.

FDP's Attended:

- [1] Attended, A one week Online FDP on "Emerging Trends in Machine Learning & Signal Processing Organized by KIIT Deemed to be University, Bhubaneswar, Odisha from 20th to 26th June, 2021
- [2] Attended, A six days Online FDP on "MULTI TECHNOLOGIES organized by the department of IT & CSE of Andhra Loyola Institute of Engineering and Technology in association with Brain O vision Solutions India Pvt. Ltd & NYCI held during 28/06/21 to 03/07/21.

- [3] Attended, A two day Online FDP on "Optimization of Microstrip Antenna using HFSS" conducted on 08 & 09 May 2020.
- [4] Attended, A one day Faculty Awareness Programme on "Outcome Based Education (OBE) and NBA Accreditation" organized by Sinhgad Institute of Technology and Science, Narhe, Pune on 9-5-2020. Certificate id: **U8YP88-CE003890**.
- [5] Attended, A two day FDP on "Multi Carrier Modulation in Broad Band Communication and Technology Challenges in 5G" organized by Department of ECE, Raghu Engineering College, Visakhapatnam, 29-05-2020 to 30-05-2020.
- [6] Attended, one week National Level Online FDP on "Online Teaching-Learning Processes using ICT Tools for Education 4.0" organized by Department of Information Technology, SVP CET Nagpur, in association with Computer Society of India from 8th to 13th June, 2020.
- [7] Attended, 3 days FDP on Electromagnetics and Microwave Engineering: Pedagogy, Research Trends and Applications (EMPRA-2020) in association with IEEE MTT/AP/EMC SOCIETY Joint Chapter, Hyderabad Section, at BITS PILANI, Hyderabad Campus from 2-4 January 2020.
- [8] Attended, one and half day FDP on "Microwave Theory and techniques" organized by NPTEL-AICTE from July – October, 2019.
- [9] Attended, one and half day FDP on "Antennas" organized by NPTEL-AICTE from January – April, 2019.
- [10] Attended, one- day FDP for "Key sight Education Symposium 2018 covering technical papers on RF & Microwave" by Key sight technologies and Synergy, 26 October 2018.
- [11] Attended, one-week FDP on "Advanced Electromagnetic Engineering" at Osmania University, Hyderabad, from 02nd NOV to 08th NOV, 2017.
- [12] Attended, one-week FDP on "Advances in Practical RF Antenna Design" at Raghu Engineering College in association with E & ICT Academy Nit Warangal, from 25-05-2017 to 30-05-2017.
- [13] Attended, One-week FDP on "Pedagogical Training at Raghu Engineering College" Visakhapatnam, February 2014.

WEBINARS PARTICIPATED:

- [1] Participated, A webinar on "A Case Study on Application of Image and Video Processing in Defence" organized by Department of Electronics & Telecommunication, AISSMS, on June 30, 2020.

- [2] Participated, A webinar on "How to Conduct Virtual Labs" organized by Department of Electronics & Telecommunication, AISSMS, on June 24, 2020.
- [3] Participated, A Webinar Series on "Disruptive Technologies" hosted by Department of Electronics and Communication Engineering, Vidya Jyothi Institute of Technology (Autonomous) on 17-6-2020.
- [4] Participated, A Webinar on "Reconfigurable Antennas" organized by Department of Electronics & Communication Engineering, Narasaraopeta Engineering College, Narasaraopeta on 26-05-2020.
- [5] Participated, A Webinar on "Technology Exploration and Digital Conversation Series" conducted on 9th April, 23rd April & 28th April, 2020.

QUIZ'S PARTICIPATED:

- [1] Participated, A National level Quiz on "Cloud Computing", organized by the department of Computer Science and Engineering, Bharat Institute of Engineering and Technology (BIET) under ACM & CSI chapters on 20th June 2020. Certificate Id: **TMEBJM-CE000698**.
- [2] Participated, A National level Quiz on "MATLAB SKILL TEST" organized by the department of Electronics and Communication Engineering, Raghu Engineering College for enhancing the knowledge on MATLAB tool from 15th May to 17th May 2020. Certificate id: **UMTLHo-CE000013**.
- [3] Participated, A National level Quiz on "Research Schemes and Funding Awareness", organized by the department of Mechanical Engineering and the department of Civil Engineering on 12th May 2020. Secured Percentage: 60%.

ONLINE CERTIFICATION COURSES:

- [1] Completed, 12- Week NPTEL online Certification Course on "**Applied Electromagnetics for Engineers**" with 57% score from September – December, 2020.
- [2] Completed, 1-Week online Certification Course on "**Satellite Photogrammetry and its Application**" conducted by **Indian Institute of Remote Sensing (IIRS)**, during 29-06-2020 to 03-07-2020. **Enrollment no: 2020610161025**.
- [3] Completed, 12- Week NPTEL online Certification Course on "**Microwave Theory and Techniques**" secured Elite with 72% score from July – October, 2019.
- [4] Completed, 12- Week NPTEL online Certification Course in "**Antennas**" secured Elite+ Silver medal with 83% score from January – April, 2019.

Awards and Honors

- [1]. Received **SILVER MEDAL** in **ALL INDIA STUDENT DESIGN COMPETITION-2013** for paper titled "**DESIGN OF BAND NOTCH UWB CIRCULAR MICROSTRIP ANTENNA**" conducted by **National Design Research Forum (NDRF)** in association with **Institute of Engineers India (IEI)** as part of the M. Tech thesis.
- [2]. Meritorious Alumnus in the Board of Studies of the Department of Electronics & Communication Engineering of ANITS.
- [3]. Completed Industrial Training in **STEEL PLANT**, Visakhapatnam for a period of three months. Gained knowledge on communication trunk lines.

Additional Responsibility

1. NBA Criteria-2 project coordinator
2. CRT In-charge
3. Class In-charge
4. Active member in research committee