




K. S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bangalore-560109.

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| Faculty Name | Dr. Devika B |  |
| Designation | Assistant Professor | |
| Educational Qualification | B.E,M Tech, Ph.D | |
| Experience in Years | Teaching:15.1 years Industry :1year | |
| Areas of Interest | Wireless Communication, Ad hoc wireless networks | |
| E-mail | devikab@ksit.edu.in | |

PHOTO

EDUCATIONAL DETAILS

| Examination/ Degree | College / University | Year of Passing |
|------------------------|---|--------------------|
| UG | Vivekananda Institute of Technology/VTU | 2004 |
| PG | M S Ramaiah Institute of Technolgy/VTU | 2009 |
| PhD | VTU | 2020 |

PUBLICATIONS

Journal Publications:

1. “ Design and Implementation of GSM based Automatic Meter Reading system”, Proceedings of NCACC-September 2013,KSIT
2. “Implementation of DSBSC Using LabVIEW” ,Proceedings of NCICC-September 2014,KSIT.
3. “SSB-SC MODULATION DEMODULATION USING LAB VIEW” Proceedings of NCICC-September 2014,KSIT.
4. “Literature Survey on Optimization of Power in Adhoc Networks” Published in IJARCSSE Journal March 2013; Volume: 5; Issue: 8: Edition with Effect from 27th August, 2015; ISSN: 2277 128 X.
5. “Execution of PA Fish Eye State Protocol to Amend Power” at International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) – 2016 with IEEE catalog

978-1-4673-9939-5/16/\$31.00 ©2016 IEEE at DMI College of Engg, Chennai on 5th March 2016.

6. “Energy Management schemes in adhoc wireless networks” presented paper National conference on “Recent Trends in Computer Science and Information Technology”, SJCIT Chikkaballapur on 21st April 2016.
7. “Fish eye state Protocol in correlation with power consumption in Ad hoc networks” published in International Journal of Applied Engineering Research, Volume 13,Number 17(2018).
8. “Power Optimization in MANET using Topology Management” published in Engineering Science and Technology, an International Journal, ISSN 22150986, ELSEVIER BV, July 2019.
9. “Power-Cognizant Proactive Routing Protocol for Amending Energy in Ad hoc Networks” Springer Briefs in Applied Sciences and Technology" ISSN: 2191-530X, (Indexed in SCOPUS, UGC, Springer link & Major AI) SPRINGER May 2020.
10. “Multi Account Embedded System with Enhanced Security” International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 07 Issue: 04 | Apr 2020. www.irjet.net p-ISSN: 2395-0072
11. “Monitoring and feeding system for pets” International Journal of Applied Science & Engineering technology, Volume 9,Issue VII, July 2021.
12. “Lineman safety” International Journal of Applied Science & Engineering technology, Volume 9,Issue VII, July 2021.

CONFERENCE PAPERS:

1. "Design and Implementation of GSM based Automatic Meter Reading system", Proceedings of NCACC-September 2013,KSIT
2. "Implementation of DSBSC Using LabVIEW", Proceedings of NCICC-September 2014,KSIT
3. "SSB-SC MODULATION DEMODULATION USING LAB VIEW" Proceedings of NCICC-September 2014,KSIT.
4. "Execution of PA Fish Eye state Protocol to Amend power" in the proceedings of international Conference on Electrical, Electronics and Optimization Techniques(ICEEOT)-2016 ,At DMI college of Engineering, Chennai, Tamil Nadu, India during 3rd to 5th March 2016.
- 5."Power Cognizant Proactive Routing Protocol to Amend Energy in Ad hoc Network" presented a paper at a conference International Conference on Data Science, Machine Learning & Applications (ICDSMLA 2019) on 29th & 30th March 2019 at CMR Institute of Technology, Hyderabad, Telangana, India.
6. "Monitoring and Feeding System for Pets" presented a paper in the AICTE Sponsored online International Conference on "Materials, Manufacturing, Robotics, Automation, Artificial Intelligence and Networking for Industry 5.0" (ICM RAIN-2021) held at Excel Engineering College, Tamil Nadu, India on 28th & 29th January 2021 organized by Department of Aeronautical Engineering.
7. "Chronological-Squirrel Earth Worm Optimization for Power Minimization using Topology Management in MANET" presented a paper in conference International Conference Distributed Computing and Optimization Techniques (ICDCOT – 2021) at SJBIT, Bengaluru on 25th-26th June 2021.

WORKSHOPS & FDPS ATTENDED

- 1) Three day workshop on Research Methodologies and Latex during 18th-20th March 2015 at VTU RO Bengaluru.
- 2) AICTE sponsored One week hands on workshop on advances in communication networks using Network simulator –NS3 at Rajarajeshwari college of Engineering. During 11th -16th December 2017.
- 3) Two days Workshop on “Research Methodologies and Latex” Organized by VTU e-Learning Centre, Mysore from 18th & 20th March, 2015 at VTU Regional Office, Bangalore.
- 4) AICTE Sponsored One Week Hands-on Workshop on Advances in Communication Networking using Network Simulator-NS3 organized by the dept. of ECE during 11th to 16th December 2017.
- 5) Three days Workshop on “Artificial Intelligence and Robotics” December 16th - 18th 2019.
- 6) Faculty Development Programme on Teaching & Learning Practices, Research Methodology and writing project proposals held at KSIT, during 24th and 25th Jan 2011.
- 7) Faculty Development Programme on “VLSI Design Using Cadence Tools” of KSIT From 29th June to 3rd July 2015.
- 8) Faculty Development Programme on “Outcome Based Education & Bloom’s Taxonomy” held during 4th and 5th December 2015 at KSSEM, Bangalore.
- 9) Faculty Development Programme on “IPR / IEL, KSIT” of KSIT From 28th to 30th March 2016.
- 10) Faculty Development Programme on “NS-3 and its Advanced Usage” organized by the Department of E&C from Jun 27th –July 1st 2016.
- 11) Faculty Development Programme on “Raspberry Pi & its applications in IoT” of KSIT from 18th to 21st Jan 2017.
- 12) Two days Faculty Development Programme on “NS-3 and its Advanced Usage” on 27th & 28th January 2017, organized by the Department of E&C in association with Impulse Systems, Bengaluru.
- 13) Faculty Development Program on “Programming Raspberry PI using Python” at KSIT by TCE department & INVERSA from 18th to 20th January 2018.
- 14) One Week Faculty Development Program on “Emerging Technologies in Short Range Wireless Communication organized by the Department of ECE, RVCE and technically Co-supported by RVCE-IEEE Communication Society, held at R.V. College of Engineering, Bengaluru held during 2nd – 6th July 2018
- 15) Three day Faculty Development Programme on “Outcome Based Education-NBA” at K.S. Institute of Technology Bengaluru from 17th to 19th July 2019.
- 16) One Week Faculty Development Program on “ State of the Art in RF and Wireless Communication Design” 29th July to 2nd August 2019 Organized by Department of ECE, B.M.S. College of Engineering, Bengaluru.
- 17) Faculty Development Programme on “Insights into the Vocabulary of Modern Technologies” 27th - 31st Jan 2020 Organized by Department of E&C, Department of CSE K.S. Institute of Technology in association with IEEE KSIT Student Branch & BITES.
- 18) Faculty Development Programme on “ICT Tools for Course Preparation and Evaluation using Gnomio and Kahoot” organized by Department of E&C, Department of ECE of Bahubali College of Engineering, Shravanabelagola on 27th and 28th July 2020.
- 19) Three Days Faculty Development Programme on “ Recent Trends in Wireless

Communication Technology” organized by Department of E&C, Bangalore Institute of Technology in Association with IMAPS India from 3rd to 5th August 2020.

- 20) Five Days Faculty Development Programme on “ Research Directions in Wireless Communication” organized by the Department of E&C, Dr. Ambedkar Institute of Technology, Bengaluru from 17th to 21st August 2020.
- 21) One week Webinar on “Advanced Antenna Design and Development for RF Communication Systems” held during 20th and 25th July 2020, Jointly organized by the Institution of Electronics and Telecommunication (IETE) Bangalore and Antenna Test & Measurement Society of India (ATMS).
- 22) Five day online FDP on the theme “Inculcating Universal human values in Technical Education” organized by All India council for Technical education(AICTE) from 22nd -26th March 2021.

BEST PAPER AWARD

- **Won best paper award** for the paper titled “Chronological-Squirrel Earth Worm Optimization for Power Minimization using Topology Management in MANET” at a conference International Conference Distributed Computing and Optimization Techniques (ICDCOT – 2021) at SJBIT, Bengaluru on 25th-26th June 2021.

Patent

1. **Published Patent** titled “SMART HELMET WITH BIKE SYSTEM FOR SAFETY TRANSPORTATION” in the Indian patent Journal with Application number 202141024734 dated 11/6/2021, Waiting for Grants.

Contact Details

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