




K. S. INSTITUTE OF TECHNOLOGY

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Faculty Name	Dr. Devika B	
Designation	Associate Professor	
Educational Qualification	Ph.D	
Experience in Years	18 years	
Areas of Interest	Wireless communication, Artificial Intelligence	
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Educational Details

Examination/ Degree	College / University	Year of Passing
Ph.D	<i>Visveswaraya Technological University, Belagavi</i>	2020
M. Tech	<i>Digital Communication' from Department of Telecommunication Engineering</i>	2009
B.E	<i>Visveswaraya Technological University</i>	2004

Publications

Journal Publications:

- “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.
- “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.
- “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.

- “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).
- “Power Optimization in MANET using Topology Management” published in Engineering Science and Technology, an International Journal, ISSN 22150986, **ELSEVIER BV**, July 2019.
- “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.
- “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
- “Monitoring and feeding system for pets” International Journal of Applied Science & Engineering technology, Volume 9,Issue VII, July 2021.
- “Lineman safety” International Journal of Applied Science & Engineering technology, Volume 9,Issue VII, July 2021.
- "Face Recognition using Open CV" National Conference on Recent Innovations in Engineering-2022 ISBN:978-81-929425-0-6 Pg 41-43.
- "Automated precise billing system for shopping trolley" National Conference on Recent Innovations in Engineering-2022 ISBN:978-81-929425-0-6 Pg206-3209.
- "Evidence Collection System in Car Using Embedded System" National Conference on Recent Innovations in Engineering-2022 ISBN:978-81-929425-0-6 Pg270-273.
- "Temperature Controlled Exhaust Fan" National Conference on Recent Innovations in Engineering-2022 ISBN:978-81-929425-0-6 Pg329-323.
- "Chronological-Squirrel Earth Worm Optimization for Power Minimization using Topology Management in MANET" Distributed Computing and Optimization Techniques Select Proceedings of ICDCOT 2021,**SPRINGER** ,September 2022. https://doi.org/10.1007/978-981-19-2281-7_21
- **Conference Papers** : “Design and Implementation of GSM based Automatic Meter Reading system”, Proceedings of NCACC-September 2013,KSIT
- “Implementation of DSBSC Using LabVIEW”, Proceedings of NCICC-September 2014, KSIT
- “SSB-SC MODULATION DEMODULATION USING LAB VIEW” Proceedings of

NCICC-September 2014,KSIT.

- “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.
- ”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.
- “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.
- “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.

Patents Filed :

Patent invention number: 202141024734 [Filed]

Filed on 03/06/2021

Title: Smart helmet with bike system for safety transportation

Awards

- **"Best paper award"** for paper entitled " 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.
- Invited as **Judge** to evaluate projects at RNSIT, during Open House Project Expo 2023, on Friday 12th May 2023.

Professional Membership

Contact Details

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