


FACULTY PROFILE

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| Name | : Dr. Sharanappa P. H. |  |
| Designation | : Assistant Professor | |
| Department | : Electronics and Communication Engineering | |
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| Scopus ID | : 55387206500 | |
| Vidwan Id | : 124977 | |
| Researcher ID (Web of Science) | : AAH-7576-2021 | |
| Google Scholar ID | : 5zYF6KAAAAAJ | |
| Qualification | : BE, M. Tech, PhD | |
| Professional Experience Teaching experience | : 17 Years | |
| Administrative Responsibilities | : -- | |
| No. of Projects Guided | | |
| UG | : 16 | |
| PG | : 03 | |
| Research Interest Area | : 1. Internet of Things 2. VANETs 3. Wireless Networks | |
| Publications | : | |
| Journals (with citations) | : 1. Sharanappa P. H., Basavaraj M. Angadi, Mahabaleshwar S. Kakkasageri, Sudha K. S. " IoT Enabled Infant Incubator for Healthcare Centers", International Journal of Research and Analysis in Science and Engineering. Vol. 4, No. 5, pp. 318-325, September 2024 2. Sharanappa P. H., Mahabaleshwar S. Kakkasageri, "An Efficient Information Aggregation Scheme in Internet of Things: Multi Agent based Approach", International Journal of Soft Computing and Engineering (IJSCE). Vol. 11, No. 1, pp. 23-31, September 2021 | |

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| | <ol style="list-style-type: none"> 3. Sharanappa P. H., Mahabaleshwar S. Kakkasageri, "Dynamic Information Validation Scheme in Internet of Things: Software Agent based Approach", <i>International Journal of Computer Science and Engineering</i>, Vol. 9, No. 7, pp. 1-10, July 2021 4. Sharanappa P. H., Mahabaleshwar S. Kakkasageri. "Multi Agent based Information Gathering Scheme in Internet of Things", <i>Journal of Emerging Technology and Innovative Research</i>. vol. 8, No. 1, pp. 515-523, January 2021. 5. Sharanappa P. H., M.S. Kakkasageri, "Performance Analysis of CSMA, MACA and MACAW Protocols for VANETs", <i>International Journal of Future Computer and Communication</i>, vol. 3, No. 2, pp. 129-134, April-2014. |
| <p>Conferences</p> | <p>:</p> <ol style="list-style-type: none"> 1. Sharanappa P. H., Mahabaleshwar S. Kakkasageri, "Intelligent Agents Assisted Information Aggregation in Internet of Things", Proc. IEEE Fourth International Conference on Advances in Electronics, Computers and Communications (ICAECC), Bangalore, India, pp. 1-7, January 2022 2. Sharanappa P. H., Mahabaleshwar S. Kakkasageri, "Multiagent based Information Validation Scheme in Internet of Things", Proc. IEEE International Conference on Smart Generation Computing, Communication and Networking (SMARTGEN), Pune, India, pp. 1-5, October 2021 3. Sharanappa P. H., Mahabaleshwar S. Kakkasageri, "Intelligent Information Gathering Scheme in Internet of Things (IoT)", <i>Proc. 11th International Conference on Advanced Computing (ICoAC)</i>, Department of Computer Technology, Anna University, MIT Campus, Chennai, India, pp.136-140, December 2019. 4. Sharanappa P. H, J. D. Mallapur, Kiran Y. B, and Somu P. P, "Angular variation methodology for landslide measurement", <i>International Conference on Computational Intelligence, Communication Systems and Networks</i>, 24th -26th July 2012, Phuket International 2012. 5. Sharanappa P. H., J. D. Mallapur, Ramesh B. Koti, Virupakshreddy S. Patil, "QoS Based Unicast Routing in wireless Multimedia Networks", Proc. <i>International Conference on Recent Advancements in Electrical Sciences (ICRAES'10)</i>, 8 -9 January 2010, K. S. Rangasamy College of Engineering Tiruchengode, Tamil Nadu, India, Vol.-III, pp. 460-468. |
| <p>Events Organized</p> | <p>:</p> <ol style="list-style-type: none"> 1. Organized TEQIP-III sponsored Student Development Programme on VEINS (Vehicles in Network Simulator) from 12-01-2017 to 14-01-2017 for UG and PG students. 2. Organized TEQIP-III sponsored Student Development Programme on Modeling, Simulation & Implementation using MatLab/Simulink from 03-10-2019 to 05-10-2019. 3. Organized IDEA Lab sponsored Student Development Programme on "IoT for Agriculture and Domestic Applications" from 23-01-2024 to 27-01-2024. |

**Conferences/ Symposiums/
Workshops/ Training
Programs Attended**

: Conferences attended:

1. 11th International Conference on Advanced Computing (ICoAC), Department of Computer Technology, Anna University, MIT Campus, Chennai, India, December 2019.
2. 5th International Conference on Information and Multimedia Technology (ICIMT 2013), Sydney, Australia December 6-7, 2013.
3. International Conference on Recent Advancements in Electrical Sciences (ICRAES'10), 8 -9 January 2010, K. S. Rangasamy College of Engineering Tiruchengode, Tamil Nadu, India.

Online Courses (NPTEL/ATAL) completed:

1. AICTE approved FDP and NPTEL course on " Accreditation and Outcome Based Learning " conducted by IIT Kharagpur, August 2024 - October 2024.
2. AICTE Training And Learning (ATAL) Academy Online Advanced FDP on "Application of IoT in Aerospace Engineering ", from 27/12/2021 to 31/12/2021, conducted by Visvesvaraya Technological University, Belagavi.
3. AICTE Training And Learning (ATAL) Academy Online FDP on "Data Sciences" from 2020-9-21 to 2020-9-25 conducted by National Institute of Technology, Karnataka.
4. AICTE approved FDP and NPTEL course on "NBA Accreditation and Teaching-Learning in Engineering", conducted by IISc Bengalore, January 2021 - April 2021.
5. AICTE Training And Learning (ATAL) Academy Online FDP on "Block Chain" from 2020-11-2 to 2020-11-6 conducted by Indian Institute of Information Technology, Dharwad.
6. AICTE approved FDP and NPTEL course on "Computer Networks and Internet Protocol", conducted by IIT Kharagpur, 27 January 2020 - 17 April 2020.
7. AICTE approved FDP and NPTEL course on "Introduction to Internet of Things", conducted by IIT Kharagpur, 27 January 2020 - 17 April 2020.
8. AICTE approved FDP and NPTEL course on "Joy of Computing using Python" conducted by IIT Ropar, 14 September 2020- 10 December 2020.
9. AICTE approved FDP and NPTEL course on ", Introduction to Programming in C ", conducted by IIT Kharagpur, 14 September 2020 - 12 November 2020.

Symposiums/Workshops/Training Programs attended:

1. FDP on "Empowering Research: Exploring Funding Opportunities", organized by Basaveshwar Engineering College, Bagalkot from 17-01-2025 to 18-01-2025
2. One Week National Level Online Faculty Development Program on Outcome Based Education and Application of Generative AI in Teaching and Research, from 17 October 2024 to 24 October 2024, organized by St. Mary's College (Autonomous), Thrissur, Kerala in association with the Collegiate Education Department, Government of Kerala.
3. One-week national level workshop on Embracing Diversity: Expanding Research Perspectives in Computer Science from 08-07-2024 to 12-07-2024 organized by Amity University Punjab.
4. National symposium on "Emerging Trends in Smart Systems", at BEC, Bagalkot, 08-09-2023 to 09-09-2023.
5. FDP on "Outcome Based Education" organized by Basaveshwar Engineering College, Bagalkot from 01-02-2023 to 02-02-2023
6. FDP on LaTeX organized by Basaveshwar Engineering College,

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| | <p>Bagalkot and Spoken Tutorial Project, IIT Bombay from 19-07-2021 to 30-07-2021.</p> <ol style="list-style-type: none"> 7. FDP on "Moodle Learning Management System" organized by Basaveshwar Engineering College, Bagalkot and Spoken Tutorial Project, IIT Bombay from 19-07-2021 to 30-07-2021. 8. Virtual Faculty Development Program (FDP) on "Next Generation Electronics and Computer Networks", Bheemanna Khandre Institute of Technology, Bhalki ,02-06-2020 to 06-06-2020. 9. One Week Online STTP on "MATLAB for All", Sir. MVIT, Bangalore, 4-06-2020 to 8-06-2020. 10. Online FDP on "Python"- Spoken Tutorial Project, IIT Bombay, 1-06-2020 to 5-6-2020. 11. Online FDP on "LaTeX"- Spoken Tutorial Project, IIT Bombay, 14-05-2020 to 17-05-2020. 12. One Week Online FDP on "Mathematical and Statistical Modeling", Godavari Institute of Engineering and Technology, Rajahmundry, AP, 26-05-2020 to 30-05-2020. 13. Online Workshop on "IEEE Reference Management Tool For Research Articles And Thesis Writing", IEEE Bangalore Section Researchers Forum, 20-05-2020. 14. 5-Days National Level Online FDP on "Artificial Intelligence", Vignan Bharathi Engineering College(AP) in association with National Youth Council of India and Brainovision Solutions India Pvt. Ltd., 22-05-2020 to 26-05-2020. 15. E-workshop on "AICTE-Examination Reform Policy", BEC, Bagalkot (TEQIP-III), 29-04-2020 to 30-04-2020. 16. Two weeks course on "Digital Transformation in Teaching Learning Process", TEQIP Online Certification offered by IIT Bombay, 14-02-2020 to 6-03-2020. 17. "SSA101x: Hands-on training on Solar Study Lamp Assembly"- An online course, recognized by Skill Council for Green Jobs, IIT Bombay, IIT Bombay, 01-05-2019 to 31-12- 2019. 18. "Soft Tools for Researchers to Enhance Research Productivity BEC", Bagalkot (TEQIP-III) 11-10-2019 to 12-10-2019. 19. "Research Avenues in Information Technology", BEC, Bagalkot (TEQIP-III), 3-06-2019 to 7-06-2019. 20. "Recent Advances in Signal Processing and Communication Networks", BEC, Bagalkot (TEQIP-II), 17-03-2017 to 19-03-2017. 21. "International Symposium on Green Technologies for Sustainable Development", BEC, Bagalkot, 24-02-2017 to 25-02-2017. 22. "Energy Efficiency and Management", BEC, Bagalkot (TEQIP-II), by IIT Bombay (CE-QIP) 17-02-2017 to 19-02-2017. 23. FDP on "Challenges and Opportunities in IoT- A Better Solution by Libelium", BVBCET, KLE Technological University, Hubli, 18-10-2016. 24. "Internet of Things" BVBCET, KLE Technological University, Hubli, 13-05-2016 to 14-05-2016. 25. FDP on "Outcome Based Education", BEC, Bagalkot, 18-12-2015. 26. One day workshop on "Curriculum Development and Reforming", BEC, Bagalkot, 25-07-2015. 27. "IEEE APS Region Distinguished Speaker Programme", BEC, |
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| | <p>Bagalkot, 11-09-2015 to 11-09-2015.</p> <p>28. "Internet of Things: Convergence of Sensing, Cloud and Big Data Networking", IIT, Kharagpur, 13-07-2015 to 26-07-2015.</p> <p>29. "Sustainable Energy Technologies for Academic Campuses", BEC, Bagalkot, 05-06-2015 to 06-06-2015.</p> <p>30. "Intel® Atom™ Processor based Embedded System Design and Development", BEC, Bagalkot, 28-05-2014 to 30-05-2014.</p> <p>31. "Research Methodologies", BVBCET, Hubli, 13-2-2014 to 15-2-2014.</p> <p>32. "Advanced Network Computing and Simulation", BEC, Bagalkot, 22-11-2013 to 24-11-2013.</p> <p>33. "Design, Modeling & Simulation of MEMS Devices", BEC, Bagalkot, 10-7-2013 to 12-7-2013.</p> <p>34. "Soft and Evolutionary Computing Techniques and its Applications", BEC, Bagalkot, 30-5-2013 to 01-06-2013.</p> <p>35. "Technical Documentation Using LATEX", BEC, Bagalkot, 27-5-2013 to 29-5-2013.</p> <p>36. "Implementation of Signal Processing Algorithms Using FPGAs", BEC, Bagalkot, 23-5-2013 to 25-05-2013.</p> <p>37. "Recent Advances in Wireless Networks", BEC, Bagalkot, 16-5-2013 to 18-5-2013.</p> <p>38. "Intelligent Instrumentation & Robotics (IIR)", BEC, Bagalkot, 26-3-2012 to 30-3-2012.</p> <p>39. "Understanding Self and Interpersonal Relations", BEC, Bagalkot, 8-04-2011 to 9-04-2011.</p> <p>40. "Recent advances in wireless sensor networks", BEC, Bagalkot, 10-2-2011 to 12-2-2011.</p> <p>41. "Advanced Mission 10X", BEC, Bagalkot, 4-10-2010 to 5-10-2010.</p> <p>42. "Mission 10X", BEC, Bagalkot, 2-08-2010 to 6-08-2010.</p> <p>43. "Basic Training on Bosch Rexroth Electric Drives and Controls", BEC, Bagalkot, 14-6-2010 to 18-6-2010.</p> <p>44. "Effective Teaching practices", BEC, Bagalkot, 29-1-2010 to 31-1-2010.</p> <p>45. "Professors workshop on FPGA system Design using Altera Tools", BEC, Bagalkot, 10-10-2009 to 10-10-2009.</p> <p>46. "Wireless Sensor networks", BEC, Bagalkot, 24-2-2009 to 28-2-2009.</p> |
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