


INDIVIDUAL FACULTY PROFILE- TEMPLATE TO BE UPLOADED IN COLLEGE WEBSITE

	<p>Name :Mrs. HEMAVATHI Designation: Assistant Professor Qualification: B.E, M.Tech, (Ph.D) Email-id: hemavathi.ece@bmsce.ac.in Experience: Teaching experience: 8 years Other Experience : 4 years Date of Joining this Institution (BMSCE): 9/08/2019 <u>Research Interests:</u> Mobile Networks Wireless Communication</p>
<p>About Your self</p>	<p>Paragraph (Minimum 10 Lines) –</p> <p>Hemavathi, received her Bachelors degree in Electronics and Communication Engineering, with FCD in the year 2000 from Adi Chunchanagiri Institute of Technology, Kuvempu University and her Masters degree in Digital Communication Engineering, with FCD from Acharya Institute of Technology, Visvesvaraya Technological University (VTU), India in the year 2012. She is currently working towards her Ph.D degree at B.M.S College of Engineering, Bangalore, India. Also she is working as an Assistant Professor at B.M.S College of Engineering in the department of Electronics and Communication Engineering. She is a life member of Indian Society for Technical education (ISTE) since 2018. She has published papers in 5 International Journals, 1 International Conference and 3 National conferences.</p>
	<p><u>Education:</u> Doctoral Research: Wireless Communication (Pursuing) Masters: Bachelors: Digital Communication Engineering Other Degree/Diploma/PG diploma if any:----</p>
	<p>Personal web site/page if any then mention the Webpage link:----</p>
	<p>Selected Publications</p> <ol style="list-style-type: none"> 1. Hemavathi and Dr. S. Akhila, “Balanced Scheme for Faster Authentication and Resilient Security in Vertical Handoff “, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8, Issue-1C, May 2019 (Impact factor 5.92) 2. Hemavathi and Dr. S. Akhila, “FAVH: A Novel Technique of Faster Authentication in Vertical Handoff in WLAN and CDMA Network”, pp. 482-490, ISSN: 2229-5518.”, International Journal of Scientific & Engineering Research (IJSER), Vol.8, Issue 7, July 2017.(Impact factor 4.4, h index 40, I 10 index 252) 3. Hemavathi and Dr. S. Akhila, “An Insight towards Trends and Effectiveness of Vertical Handoff Mechanism”, Communications on Applied Electronics (CAE), International Journal, Publisher: Foundation of Computer Science (FCS), NY, USA, Vol.4, No.5, 25 February 2016, pp. 35-41.ISSN: 2394-4714, ISBN:973-93-80891-31-8. 4. Hemavathi and Dr. S. Akhila, “A Survey on Delay in Vertical Handoff in

	<p>Heterogeneous Wireless Networks”, International Journal of Advanced Information Science and Technology (IJAIST), Vol.31, No.31, 30 November 2014, pp. 24-27.</p> <p>5. Hemavathi, “Wireless Sensor Networks for the Optimum Energy Expenses in the Smart Home”, International Journal of Engineering Research & Technology (IJERT), Vol. 2, Issue 5, May 2013, pp. 1966-1970.</p>
	<p>Conferences:</p> <p>1.Hemavathi and Dr. NNSR Prasad “Open Architecture Computer Simulation Software for V/UHF Radio”, National Conference on Communication & Soft Computing, Dept. of ECE, KSIT, Bengaluru, 9th Aug 2012, pp.228-232.</p> <p>2. Hemavathi and Dr. S. Akhila, “A Survey on Delay in Vertical Handoff in Heterogeneous Wireless Networks”, 3rdNational Conference on Networking, Embedded and Wireless Systems (NEWS-2014), BMSCE, Bengaluru, November 2014, p. 5.</p> <p>3. Hemavathi, “Digital Signature Based Key Management Protocol for Secure Data Transfer in Dynamic WSN’s”, IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology (RTEICT-2016), Sri Venkateshwara College of Engineering, Bangalore, Vol.1,20-21 May 2016, ISBN: 978-1-5090-0773-8.</p> <p>4. Hemavathi, “RF Based Intelligent Public Transport System with Failure Detection and Diversion”, National Conference on Design Innovations for 3C² “Compute-Communicate-Control”, Dept. of ECE, MVJ College of Engineering, Bangalore, 21st April 2016.</p> <p>5. Hemavathi, “Secure Data Transfer in Dynamic WSN’s using Digital Signature Key Management Protocol”, “National Conference on Design Innovations for 3C² Compute-Communicate-Control”, Dept. of ECE, MVJ College of Engineering, Bangalore, 21st April 2016, pp. 299-304.</p>
	<p>Courses Handled/List:</p> <ol style="list-style-type: none"> 1. Power Electronics 2. Fiber Optic Networks 3. Linear Integrated Circuits 4. Analog Electronics 5. Basic Electronics 6. Wireless Communication 7. Global System for mobile communication 8. Optical Fiber Communication 9. Computer Communication networks 10. Embedded Systems 11. Analog Communication 12. Wireless Broadband Communication LTE 4G 13. Electronic Instrumentation
	<p>Additional Responsibilities:</p> <ol style="list-style-type: none"> 1. Time Table coordinator 2. Staff Official Duty In charge 3. Cultural and Nature club coordinator 4. Project Coordinator

	<ol style="list-style-type: none"> 5. Admission coordinator 6. Proctor 7. Sports/ NSS Incharge 8. Seminar Incharge 9. Class Teacher 10. Professional Body Coordinator. 11. Placement Training and Co-Ordinator 12. Lab Incharge
	<p>Other Information:</p> <ol style="list-style-type: none"> 1. Received “CERTIFICATE OF MERIT” from Department of ECE, Acharya Institute of Technology, Bengaluru as a Class Topper in 2nd year and has secured 2nd position in the M.Tech examinations of VTU held during the academic year 2011-2012. 2. Received the “CERTIFICATE OF APPRECIATION” for the excellent technical sessions handled during the 5-day special workshop on “ANALOG & DIGITAL COMMUNICATION” held at GAT, Dept. of ECE in association with Deutsche Gesellschaft fur Internationale Zusammenarbeit (GIZ) GmbH from 21st Jan to 25th Jan 2013.