

**Annexure -1**
**Faculty Profile**

<h2>Faculty</h2>	<p><b>Dr. V.Navya</b>  <b>Associate Professor</b>                  East Point College of Engineering &amp; Technology</p>
	<p><b>Profile*</b></p> <p>Dr.V.Navya holds a Ph.D. in Wireless Body Area Networks from Kalasalingam Academy of Research &amp; Education, M.E. degree in Digital Electronics at SSIT, Tumkur and B.E. degree in Medical Electronics from HKBK College of Engineering, Bangalore. She has worked at institutions such as HKBK College of Engg., Bangalore, VLB Jannakiammal College of Engg.,Coimbatore and full time research scholar at KARE. Having 09 years of teaching experience in academics and 05 years of research experience with 12 publications in Peer reviewed and refereed Journals, which are listed in SCI Journals, SCOPUS indexed Journals and conferences.</p>
	<p><b>Publications</b></p> <p><b>Books</b></p> <p>Dr.Anita R, <b>Dr.V.Navya</b>, Dr. Jayanthi Kumari T R , Dr. Rajesh L, Prof. Vetricani R, □”Electromagnetic fields:Keysights and Concepts”, SCI Pblsher, ISBN:978-93-5757-241-5</p> <p><b>Journals</b></p> <ol style="list-style-type: none"> <li><b>V. Navya</b>, and P. Deepalakshmi, Energy Efficient Routing for Critical Physiological Parameters Transmission in Wireless Body Area Networks Under Mobile Emergency Scenarios, <b>Computers and Electrical Engineering</b>, <b>72</b> (2018), 512-525, <b>Elsevier Publication</b>. SCI,IF-4.3.</li> <li><b>V. Navya</b>, and P. Deepalakshmi, Threshold –based Energy Efficient Routing for Transmission of Critical Physiological Parameters in Wireless Body Area Networks under Emergency Scenarios, International Journal of Computers and Applications. <b>Taylor and Francis Publication</b>. Published online: 12 Dec 2018. ISSN: 1206-212X (Print) 1925-7074 (Online)                      Published online: <a href="https://doi.org/10.1080/1206212X.2018.1554334">https://doi.org/10.1080/1206212X.2018.1554334</a>.</li> <li><b>V. Navya</b>, and P. Deepalakshmi, Effective Transmission of Critical Parameters in Heterogeneous Wireless Body Area Sensor Networks. International Journal of Enterprise Network Management. <b>International Journal of Enterprise Network Management</b> , 10.3-4 (2019): 350-370.</li> <li><b>V. Navya</b>, and P. Deepalakshmi, "Energy Efficient Fuzzy Cost-Effective Routing for Transmission of Critical Physiological Parameters in Wireless Body Area Network under Emergency Scenarios", <b>International Journal of Innovative Technology and Exploring Engineering (IJITEE)</b>, ISSN: 2278-3075, Volume-9, Issue-2S2, July 2019.</li> <li>“Secure Data Transmission Mechanism For An E-Healthcare System With Wireless Body Area Networks”, Dr. S.V. Annlin Jeba , <b>Dr.V.Navya</b> , Dr.V.Praveena , Jovin Deglus , Dr. M.Maragatharajan, <b>Turkish Journal of Physiotherapy and Rehabilitation</b>; 32(2) ISSN 2651-4451   e-ISSN 2651-446X,</li> </ol>

**Annexure -2**

May 2021. <b>6.</b> <b>V.Navya</b> , Kavita Avinash Patil, "Identification of Anomolies in Lmage Using CNN and Autoencoders Technoiques", Springer Book Series on " <b>Lecture Notes in Networks and Systems</b> " (LNNS), Vol.134, Page no-307-316, ISBN 978-981-16-71173-3. <a href="https://doi.org/10.1007/978-981-16-7118-0">https://doi.org/10.1007/978-981-16-7118-0</a> . <b>7.</b> “ A Real Time Embedded System for Industrial Automation Applications”, <b>V.Navya</b> , Pooja C Kaware, Rajesh K, Kavita Avinash Patil, Radhamani R, <b>Journal of Emerging Technologies and Innovative Research</b> , Volume 8, Issue 8, August 2021,eISSN: 2349-5162. <b>8.</b> Smart Vehicle Tracking & details verification security system, <b>Dr.V.Navya</b> , R Sangeetha, Soorya Sudharshan, Sunil Kumar A , International Journal of emerging Research & Applications, June 2022
<b>Book Chapter</b>
<b>1.V. Navya</b> , P. Deepalakshmi, Threshold-based Energy-Efficient Routing Protocol for Critical Data Transmission to Increase Lifetime in Heterogeneous Wireless Body Area Sensor Networks. (WBASN), (2018), book chapter for the book on “Intelligent Pervasive Computing Systems for Smarter Healthcare. (E-Health: Bio Sensors)”, <b>Intelligent Pervasive Computing Systems for Smarter Healthcare, First Edition.© 2019 John Wiley &amp; Sons, Inc. Published 2019 by John Wiley &amp; Sons, Inc.</b>
<b>Conferences</b>
<b>1. V. Navya</b> , P. Deepalakshmi, Mobility supported Threshold-Based Stability Increased Throughput using Multihop Link Efficient Routing Protocol for Wireless Body Area Networks (MT-SIMPLE), IEEE International Conference on Intelligent Techniques in Control, Optimization and Signal Processing (INCOS), (2017), 1-7. <b>IEEE Xplore</b> . <b>2. Dr. V.Navya</b> , Prof. Kavita Avinash Patil, “Identification of Anomalies in Images using CNN and Auto-encoders Techniques”, Proceedings of INTERNATIONAL CONFERENCE ON RECENT TRENDS IN COMPUTING (ICRTC 2021),SRM IST, Delhi-NCR Campus, Ghaziabad (U.P.) - 201204.(Presented & Published). <b>3.</b> Machine learning based cardiovascular disease prediction, P. Chinnasamy, S. Arun Kumar, <b>V. Navya</b> , K. Lakshmi Priya, Siva Sruthi Boddu, Materials Today: Proceedings,Volume 64, Part 1,2022,Pages 459-463,ISSN 2214-7853, <a href="https://doi.org/10.1016/j.matpr.2022.04.907">https://doi.org/10.1016/j.matpr.2022.04.907</a>
<b>Achievements / Awards / Recognitions</b>

### **Annexure -3**

- **Appreciation as a Reviewer** for 1<sup>st</sup> International Conference on Intelligent Computing 2018 during 25<sup>th</sup> -27<sup>th</sup> October 2018 at Amrita School of Engineering, Bengaluru.
- **Reviwer** for ICCCI 2021 at Sri Shakthi Institute of Engineering & Technology , Coimbatore.
- **Estemeed Member** of Technical Program Committe of FICTA 2021-Peer Reviewer, National Institute of Technology,Mizoram,India
- **Reviwer** for NMITCON 2023 at Nitte Meenakshi Institue of Technology, Bangalore.