Dr. V.NAVYA

ASSOCIATE PROFESSOR

DEPARTMENT OF ECE

PROFILE

- Faculty in Department of ECE, with 07 years of experience in teaching UG & PG Students with 05+ years of research experience.
- Subjects Handled: B.E level: Engineering statistics & linear algebra, analog & digital electronics, management & enterprenurship for IT Industry, Bio Medical Digital Signal Processing, Electronic Instrumentation, Medical Physics, Biological Control Systems, Operation Research and Engineering Management , Digital image Processing, Artificial Organs and Bio Materials. M.Tech level: Advances in VLSI design, ASIC Design, Embedded Systems, Computer Architecture and Parallel Processing, Soft Computing, Wireless Sensor Networks , Network Routing Protocols, Mobile ADHOC Sensor Networks.
- Skills: Wireless sensor networks, Image Processing, Bio Medical Digital Signal Processing– MATLAB & C.

CONTACT & LINKS

Email ID:
drvnavya.ece@epcet.ac.in

Linkedin
https://www.linkedin.com/in/dr-navya-v-46a57110b/

EDUCATIONAL QUALIFICATIONS

Ph.D (ECE)- Kalasalingam Academy of Research & Education, Virundhanagar-2019
M. Tech (ECE)- Sri Siddartha Institute of Technology,Tumkur-2008
B.E(Medical Electronics)-H.K.B.K College of Engineering , Bangalore-2005

PROFESSIONAL EXPERIENCE

Teaching Experience: 07 years
Research Experience: 05+ years
Total: 12+ years

INSTITUTION/DEPARTMENT RESPONSIBILITIES

- Coordinator for Department Integrated Industry Learning Program.
- Department Library coordinator.
- NBA Department criteria cordinator.
- Content Writer & Editor for Department Newsletter.
- Facilitator for various events and activities.

RESEARCH AREA/SPECIALISATION/ RESEARCH GRANTS/ PROJECTS IF ANY

Specialization: Wireless body area networks and Pervasive computing.
Research Interest: Machine Learning, Artifical Intelligence,Soft computing and Image Processing.

ACHIEVEMENTS/ACCOMPLISHMENTS/AWARDS/RECOGNITION/GUEST LECTURES DELIVERED

- Acted as **Reviewer** and **Publication Chair member** for International Conferences and Journal.
- **Coordinator** for organizing five days FDP on - "Modeling & Simulation Tools in ECE" at EPCET in association with CoreEL technologies & Edgate Technologies.
- **Coordinated** the one day virtual webinar on "Research based learning for development of employability skills in young minds" on 23/07/2020.
- **Attended** FDPs, webinars and training programs organised at National & International levels.

PUBLICATIONS/PATENTS/BOOKS

1.Published Patent on "Dynamically Understanding 3D Visual Scenes using Deep Learning", filed by Dr. Joe Prathap P M, Dr. R. SuganthinI Rehka, Dr. P.Deepalakshmi,Dr. D Lakshmi, **Dr. V.Navya**,The Patent Office Journal No. 05/2020 dated 31/01/2020. Application no: 202041002488 A.

2.V. Navya and 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)", Intelligent Pervasive Computing Systems for Smarter Healthcare, First Edition.© 2019 John Wiley & Sons, Inc. Published 2019 by John Wiley & Sons, Inc.

3.V. Navya and P. Deepalakshmi, Energy Efficient Routing for Critical Physiological Parameters Transmission in Wireless Body Area Networks Under Mobile Emergency Scenarios, Computers and Electrical Engineering, 72 (2018), 512-525, Elsevier Publication, SCI,IF-2.747

4. V. Navya 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. Taylor and Francis Publication. Published online: 12 Dec 2018. ISSN: 1206-212X (Print) 1925-7074 (Online) Published online: https://doi.org/10.1080/1206212X.2018.1554334. Scopus Indexed.

5. V. Navya and P. Deepalakshmi, Effective Transmission of Critical Parameters in Heterogeneous Wireless Body Area Sensor Networks. Revision submitted to International Journal of Enterprise Network Management. International Journal of Enterprise Network Management 10.3-4 (2019): 350-370. Scopus Indexed.

6. V. Navya and P. Deepalakshmi, "Energy Efficient Fuzzy Cost-Effective Routing for Transmission of Critical Physiological Parameters in Wireless Body Area Network under Emergency Scenarios", International Journal of Innovative Technology and Exploring

ASSOCIATION WITH PROFESSIONAL BODIES

- Life-time Member - Indian Society of Technical Education.
- IEEE member

Engineering (IJITEE), ISSN: 2278-3075, Volume-9, Issue-2S2, December 2019

7.V. Navya and 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. IEEE Xplore, Scopus Indexed

8**.V.Navya**, Mrs. Sandra Benjamin, "Implementation of Embedde gateway for Industrial Networking", Proceedings of the National conference on Recent Advances in Electrical Engineering held at Sri Siddhartha Institute of Technology, Tumkur, Nov.2008.

PROFESSIONAL COURSES COMPLETED

- **Certified** Four Week AICTE approved FDP on "Foundation Program in ICT for Education" organised by IITBombayX - FDP101x, scheduled from 3 April to 30 April 2018.
- **Certified** Four Week AICTE approved FDP on "Pedagogy for Online and Blended Teaching-Learning Process", IITBombayX - FDP201x, scheduled from 3 May to 30 May.
- **Certified** on "Create your First Python Program" an online non-credit course authorized by Coursera Project Network and offered through Coursera.
- **Certified** on "Introduction to Machine Learning" an online non-credit course authorized by Duke University and offered through Coursera.