Dr. Andhe Pallavi

Professor & HoD, Department of CSE(AI&ML), RNSIT

Qualifications

B.E. in IT from Bangalore University (AIT)
M.E. in Electronics from Bangalore University (UVCE)
Ph.D in Electrical & Electronics Engineering Sciences from VTU (BMSCE)
PGP in AI&ML from Univ. of Texas, Austin (Texas McCombs)
Masters in Data Science from Deakin University

Experience: RNSIT (2002- till date), RVCE (1997-2002)

Courses Taught: Natural Language Processing, Research Methodology & IPR, Internet of Things (IoT), Lasers & Optical Instrumentation, Java Programming, DSP, Modern DSP, DSP Architecture, Signals & Systems, Network Analysis, Artificial Neural Networks & Fuzzy Logic, ARM Processors, RF & Microwave Circuit Design, RTOS, Embedded Systems, Microprocessors & Microcontrollers, Mechatronics, Transducers & Measurements, Analog & Digital Communication, Pneumatics, Process Instrumentation, Remote Sensing & Telemetry, Error Control Coding, etc.
Assembly Language Programming of 8085, 8086, 8051, MSP430, ARM Cortex M3, Programming of DSPs – TMS 54xx & 6711/13, VHDL & Verilog, Software - MATLAB, LabVIEW, MultiSIM, NS3, Python, Java, etc., Sensors & Signal Conditioning labs, Basic Analog & Digital labs, Power Electronics Lab, Measurement Lab, Process Control & Process Instrumentation Labs, etc.

Areas of Research: Turbo Codes, Cryptography & Image Processing

Certifications and Achievements:

- Certified Cyber Crime Investigation Officer. CCIO ID: 194519000002983719 10479 (awarded by ISAC - Information Sharing and Analysis Center, MHRD).
- Session speaker and resource person at FDPs organized by BIT, BNMIT, PESIT, RVCE, KSIT, UVCE, Mount Carmel, VKIT, GAT, etc.
- Completed sponsored projects include VTU-TEQIP 1.3 sponsored FDP, AICTE-VTU Joint Training Program for Teachers on Basic Electronics, three KSCST student projects, two VTU projects.
- Current R&D project awarded – Rs. 10 lakhs from VTU Research Grants Scheme 2021 for the research proposal 'Manoglani Pareekshak Mental Health prediction for Engineering Students using Physiological Signal Processing'
- Technical Program Chair for IEEE international conferences – ICDECS 2024, CCUBE 2021 (https://ccube2021.org/committee), Program Co Chair for CCUBE-2017 & CCUBE-2013.
- CICC Member (RNSIT women's welfare committee), KSCST & IQAC Coordinator.
- Course expert for EDUSAT (e-shikshana VTU) in courses - Microwaves & Antennas, Microprocessors, VHDL, Electronic Instrumentation, Analog Electronics using MultiSIM, etc.
- Session chair of international conferences (ICRBIT-19, ICRTST-2020 & 2021, ICDECS -19, 24, CSITSS 2024 etc.) & National Conferences (NCCT-TCT 21, IETE NCETEST 21, etc.).

Key Publications:

#Papers : 45 (last 10 years), #Citations: 25 (2019-24), h – index: 2 , Research Interest Score: 9.9, Patents: 03 (Filed), 02 Granted, Book Chapter: 01 (Springer), Book publications: 4 in Wiley, Pearson, Elsevier, IK International.

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Vidwan ID: 238953 https://vidwan.inflibnet.ac.in/profile/23895