



Dr. Anupama P. Patil

Professor and HoD

Department of Electronics and Communication Engineering

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Office Address

Department of Electronics and Communication Engineering
Biluru Gurubasava Mahaswamiji Institute of Technology,
Mudhol-587313, Karnataka, India.
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Experience

10 years of Industry Experience
17 Years of Teaching Experience
04 Years of Research Experience

Qualification

- **Ph.D. (Electronics and Communication Engineering)** 2019 Pacific Academy of Higher Education and Research University, Udaipur ,Rajasthan
Design and Simulation of All Digital Phase Locked Loop using VLSI (For Navy)
- **PG Diploma in Management (IGNOU).**
- **M. E. (Electronics)** 1995
Shivaji University Kolhapur -First Class
- **B. E. (Electronics & Communication Engineering)** 1998- First Class with Distinction
BLDEA's College of Engineering and Technology
Karnataka University , Dharwad.

My ID's

- Vidwan ID: 439049
(<https://vidwan.inflibnet.ac.in/profile/439049>)
- Google Scholar ID: RtDUacAAAAJ
- ORCID ID: 0009-0005-1360-0384
- AICTE Faculty ID: 1-44742800951
- VTU Faculty ID: 2LBEC0007064
- ISTE: Life Member

Subject Handled

Digital Communication, Digital Image Processing, Computer Networks, Computer Organization & Architecture, Basic Signal Processing, Digital Signal Processing, Operating Systems, Communication Theory and Techniques, Embedded Systems, VLSI , Basic Electronics, Wireless Communication , Electronics Circuits & Devices, Control systems, Random signals and Probability Theory, Information Theory and Coding, Network Analysis, Microcontrollers, Sensors and actuators, Research Methodology

Area of Interest

Internet of Things (IoT) in agriculture, biomedical and smart cities, Edge-AI, ADPLL in Wireless Communication, Bio-robotics, Surgical robotics, Wearable health devices.

Professional Bodies Membership	Indian Society for Technical Education (ISTE) Lifetime Member: The Institution of Engineers (India) (IEI) Membership no : M- 1573195
Mini Projects Guided	UG (Last Three Years)
	<ol style="list-style-type: none"> 1) Home Automation using Node MCU 2) Advanced LPG Leakage detection system 3) Accident Detection and Alert System Using Accelerometer 4) RFID based library management system. 5) Temperature control in poultry Farming
Projects Guided	UG (Last Three Years)
	<ol style="list-style-type: none"> 1) Underpass Bridge Flood Detection and Automatic Barricade Closure system with Real Control Room and Vehicle Intimation via Cloud Technology 2) Solar powered Auto Sun Track Agriculture Irrigation Control System with Intelligent Detection of Moisture Level and Electrical Fence Arrangement.

Student Project Grants: 1

1. KSCST-2025-26

Rs.2500

Project Associates:

Project Title: An IoT Based Patient identification and Monitoring system in Emergency cases using RFID

From Karnataka State Council for Science and Technology (KSCST)

Department of Information Technology, Biotechnology and Science and Technology (Dept. of IT & BT), Government of Karnataka

Publications (since 2021)

Book	01
Journals	03
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Books/Book Chapters/Proceedings

OPERATING SYSTEM . Authors : Dr Anupama P.Patil , Ms Rashmi M.Kittali

Published by CHENDUR PUBLISHING HOUSE

(SB RESEARCH DEVELOPMENT AND INNOVATION TEAM)

Chendur Publishing House is an authorized organization and certified by

Government of India, UDYAM-TN-34-0004497 GSTIN: 33APLPB3691N2ZK

Journals(After 2021)

1. **Dr Anupama P.Patil, "Innovative IOT- Integrated PV Power Prediction Framework for Management of Energy-Efficient Smart City"** China Petroleum Processing and Petrochemical Technology Catalyst Research Volume 24, Issue 1, March 2024 Pp. 147-158 159 DOI: 10.5281/zenodo.7778371 **(Ranking: Q3)**
2. Dr Anupama P.Patil, Dr Adhish S.Banad ,”FUTURE OF PREGNANCY CARE IOT INTEGRATION FOR BETTER MATERNAL AND FETAL MONITORING “, O&G Forum 2024; 34-3s: 3035-3048
3. Dr Anupama P.Patil ,” **Designing Integrated Health Monitoring Systems Using Sensors, IoT, and Informatics Tools “**, The Bioscan, DOI: 10.63001/tbs.2025.v20.i02.S2.pp390-395

International Conferences

1. **“Edge-Based TinyML Framework for Intelligent Cardiac Drug Response Monitoring Using Embedded Hardware–Software Co-Design ”** , Ms Sukanya Kalakabandi,, Dr Anupama Patil, at the **International Conference on Digital Technologies and Smart Engineering Systems (ICDTSES 2026)** held in NIT Puducherry(virtual)

FDP/Seminars/Workshops/Symposiums/Webinars

1. One Week Online Teachers Training Program
On “An Overview of Teaching Techniques in Innovation & Design Thinking”
27th – 31st December 2021, AICTE – VTU Joint Training Programme for Teachers
2. Two-Day NAAC Sponsored State Level Seminar (Online) on “Teaching Learning and Assessment Process as per OBE in Higher Education Institutions in line with NEP 2020" on 2nd - 3rd September, 2022 conducted by Sahyadri College of Engineering and Management.
3. National Level Faculty Development Programme ,” **Innovative Teaching Strategies and Tools in Digital Age”** by Scrollwell.
4. 6 days Short Term Training cum Faculty Development Program titled **“Design Thinking and Problem Solving Approach in Robotics and Drones”** from 12-02-2024 to 17-02-2024, organized by **CoE Robotics and Drones**, CMR Institute of Technology, Bengaluru.
5. Three-Day Online FDP on “Connecting Tradition and Innovation: A Faculty Exploration of Indian Knowledge Systems” organized by the Department of Artificial Intelligence & Data Science and Department of Electronics & Communication Engineering , GSSSIETW, Mysuru from 3 rd to 5 th March 2025.

International Conference Reviewer

1. 2nd International Conference on Advancement in Computation & Computer Technologies (InCACCT-2024) Conducting University/Authority: Department of Computer Science & Engineering, Chandigarh University, Gharuan, Mohali, Punjab,

India (Technically co-sponsored by IEEE Delhi Section). Date: 02nd - 03rd May, 2024.

2. 3rd International Conference on Advancement in Computation & Computer Technologies (InCACCT-2025) Conducting University/Authority: Department of Computer Science & Engineering, Chandigarh University, Punjab, India (Technically co-sponsored by IEEE Delhi Section).Date: 17th - 18th April, 2025.
3. 1st International Conference on Smart Technologies and Intelligent Computing (INCSTIC-2025)Conducting University/Authority: School of Computer Science and Engineering, Geeta University, Naultha, Panipat (Technical sponsors: Taylor & Francis and CRC Press).Date: 17th - 18th October, 2025.
4. 4th International Conference on Advancements in Smart Computing and Information Security (ASCIS-2025) Conducting University/Authority: Marwadi University, Rajkot, Gujarat, India (In association with IFIP and Springer). Conference Date: 15th - 17th December, 2025.

Professional Activities

1. South Gujarat Division TAP in ,Surat from 2011 to 2015.
2. Coordinated FDP and SDP in BGMIT Mudhol.
3. Coordinated nearly 15 Innovation related activities in the college through Institute Innovation Council(IIC).
4. Innovation Ambassador of IIC.

College Assignments

1. Head of the Department of Electronics and Communication Engg since January 2026.
2. Institute innovation Council (IIC) **Coordinator**
3. NAAC Coordinator of BGMIT.
4. Swayam Samshodana Coordinator of VTU VRIF