Dr.K. ANURADHA

Assistant professor

Experience (Teaching and Industry)

- RNSIT, Bengaluru (2022- till date)
- CMRIT, Bengaluru (2015-2016)
- PREC, Tamilnadu (2013-2014)
- VIT, Bengaluru (2011-2012)
- ASE, Bengaluru (2007-2010)

Qualifications

- B.E (ECE) - University of Madras.
- M.Tech (Embedded Systems)- SASTRA Deemed University.
- Ph.D. - PES university

Specialization (Academics)

- Embedded Systems

Specialization (Research)

- Optimization
- Deep learning

Publications (Research)

1. https://scholar.google.com/citations?view_op=view_citation&hl=en&user=H965cV0AAAAJ&citation_for_view=H965cV0AAAAJ:d1gkVwhDpl0C
2. https://scholar.google.com/citations?view_op=view_citation&hl=en&user=H965cV0AAAAJ&citation_for_view=H965cV0AAAAJ:u5HHmVD_uO8C
3. https://scholar.google.com/citations?view_op=view_citation&hl=en&user=H965cV0AAAAJ&citation_for_view=H965cV0AAAAJ:u-x6o8ySG0sC

Research Experience (2 years)

Worked as Research assistant in a project funded by PES university and received a stipend of INR 25000 per month.

Subjects handled

- Micro controller
- Embedded Systems and RTOS
- Linear integrated circuits
- Electronic devices
- Python Programming
- Data structure using C++

Reviewer Invitation

- Received invitation from IEEE system journal to review a journal.
- Received invitation from Energy system journal (Elsevier) to review a journal.
- Received invitation from BNM institute of technology to review the papers received for the international conference.

Professional IDs

- IEEE member and also member in IEEE vehicular society.
- Google scholar ID H965cV0AAAAJ
- Vidwan ID 415915
- Orchid ID 0000-0001-6438-7759
- Research gate Anuradha Kannan (researchgate.net)
- Scopus ID 57204434048

Book Publication

- Published Book titles Microcontroller and Embedded Systems (
  ISBN 978-819626019-4)

Funded project

- URF proposal for the project titled ECE simulator.

Research field of interest

- Optimization
- Reinforcement Learning
- Deep Learning
- Embedded system
- Vehicular networks

Other academic records

- Produces 100 % result in Basic Electronics subject and received certificate from college.
- Produces 100% result in python programming subject.
- Produces 98 % result in Analog Electronics (3rd Sem) which was the highest

Departmental works

- NBA criteria 2- File work.
- Worked as one of the members in National conference organizing committee.
- Worked as an Elective coordinator.
- Worked for the final year project coordination and assisted for the project open house expo.

Certificate courses

- Pursuing certificate on Deep Reinforcement Learning from Udemy.
- Completed 6 real time projects on applied ai.
- NPTEL FDP certificate received on Data structure algorithms and programming in python.
- NPTEL FDP certificate received on python for data science.

Workshop attended/organized

- Attended FDP in python for data science course by IIT Madras.
- Attended NP TEL workshop on “Building Machine learning Apps” conducted by Garmener.
- Attended One-day Hands on RENESAS “ARM Cortex M4” Board.
- Attended workshop on Generative AI.
- Selected as faculty fellow to attend the VLSI/Embedded system conference.
- Organized two days workshop on Machine learning.
- Attended 5 days International conference on VLSI 2025 at Bangalore
- Attended workshop on NBA activities,

Projects Guided

- Automatic irrigation system using Microcontroller
- Accident detection system using Microcontroller
- Zigbee based remote reconfiguration system
- Smart kitchen using Robot.
- Vehicle repositioning and networks using deep reinforcement learning.