Name : **C.K.Vanamala**
Designation :Associate Professor
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Academic & Professional Profile: Dr. C.K. Vanamala

Associate Professor & Program Coordinator *Department of Information Science & Engineering, NIE, Mysuru*

Dr. C.K. Vanamala is an academician at **The National Institute of Engineering (NIE)**, with a career spanning over two decades. A specialist in **Wireless Sensor Networks (WSN)** and **Cloud Computing**, she is equally recognized for her role as a cultural leader and student mentor, shaping both the technical and social fabric of the institution.

Educational Qualifications

- **Ph.D. in Wireless Sensor Networks** – VTU, CSE Research Center, NIE.
- **M.Tech in Computer Network Engineering** – VTU, NIE.
- **B.E. in Computer Science & Engineering** – Malnad College of Engineering, Hassan (UoM).

Teaching Portfolio

Dr. Vanamala's teaching philosophy bridges foundational computer science with cutting-edge networking and data technologies. She has successfully delivered the following courses:

Core Computing & Systems	Networks & Data Science	Management & Ethics

Database Management Systems (DBMS)	Wireless and Mobile Networks	Management & Entrepreneurship
Software Engineering	Computer Networks	Management Information Systems
Computer Graphics	Data Analytics	Green IT
Graph Theory and Combinatorics	Machine Learning	Cloud Computing

Research & Scholarly Contributions

While her primary research is rooted in **WSN (IoT-based monitoring and disaster management)**, she actively supervises Masters students in **Cloud Computing**. Her work often explores the intersection of security and network efficiency.

Key Publications:

- **Elderly Activity Recognition (2025):** Published in the *International Journal of Environmental Studies* (Taylor & Francis, Q2).
- **SC-MANET (2018):** *Threats, Risk and Solution Strategies* (Springer AISC).
- **Secure Routing in OLSR (2017):** Strategic Modeling in MANETs (Springer).
- **Textbook Author:** *Visual Programming* (KSOU, 2004).

Institutional Leadership & Student Welfare

Dr. Vanamala is a cornerstone of the NIE community, holding several high-impact administrative and advisory positions:

- **Program Coordinator (2023–Present):** Overseeing departmental academic operations.
- **IIC & AICTE Activity Coordinator:** Driving innovation and student engagement points.
- **President, "Kalaa Samhitha":** Leading the NIE Arts, Music, and Theatre Club to numerous inter-state accolades.
- **Joint Student Welfare Officer (2016–2023):** Focused on holistic student development.
- **Community Advocate:** Organized the *Clean Chamundi Drive*, *Blood/Eye Donation Camps*, and the *Paper Empowerment* initiative for the Divya Deepa Charitable Trust.

Career Timeline at NIE

- **Associate Professor:** 2014 – Present
- **Assistant Professor:** 2001 – 2014
- **Current Additional Roles:** Alumni Coordinator (Dept. of ISE), SPOC for Clubs of NIE-North.