



Dayananda Sagar Academy of Technology & Management

(Autonomous Institute under VTU)

Affiliated to **VTU**
Approved by **AICTE**
Accredited by **NAAC** with **A+** Grade
6 Programs Accredited by **NBA**
(CSE, ISE, ECE, EEE, MECH, CV)

Faculty Name	DR.DEEPA MATHEW K	
Academic Designation	ASSISTANT PROFESSOR	
Educational Qualification	Ph.D	
Experience in Teaching & Industry	14 Years	
Date of Joining	21-07-2025	
Official Email ID	deepa-aiml@dsatm.edu.in	

Educational Details

Ph.D., Karunya University, 2024

▣ **M.Tech in Communication Systems**, Karunya University, Coimbatore, Tamil Nadu, 2011 (79%)

▣ **B.Tech in Electronics and Communication Engineering**, ILAHIA College of Engineering & Technology, Kerala, 2008 (66%)

▣ **Higher Secondary**, ST. Peters V & Higher Secondary School, Kerala, 2003 (65%)

▣ **SSLC**, Govt. Higher Secondary School, Kerala, 2001 (86%)

Professional Experience

Assistant Professor, A.P.S. College of Engineering (08th January 2024 – 16-07-2025)

▣ **Assistant Professor**, T.John Institute of Technology (22nd August 2022 – 20th December 2023)

▣ **Assistant Professor**, Vivekananda Institute of Technology (13th December 2021 – 06th August 2022)

▣ **Assistant Professor**, City Engineering College (5th August 2011 – 10th December 2021)

Publications

"SVD Based Image Watermarking" in International Journal of Computer Applications

o "Survey: Energy Efficient Protocols using Radio Scheduling in Wireless Sensor Networks" (International Journal of Electrical and Computer Engineering)

- o "CSRS-MAC: Cluster-Based Synchronous Radio Scheduling MAC Protocol for Wireless Sensor Networks" (Wireless Personal Communications)
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- o "A Novel and Optimized Computational Framework for Energy Efficient Data Dissemination in Wireless Sensor Networks" (International Journal of Power Electronics and Drive Systems)
- o "Wireless Charging Vehicles Using Renewable Resources" International Journal of Scientific Research in Science, Engineering and Technology

International Conferences: NA

Novel Radio Scheduling Framework for Optimal Energy Efficiency in Wireless Sensor Networks"
Springer Conference 2024

"Proactive Hopping Attack Prevention in Virtualized Environments Using SVM and XGBoost " at
Kongunadu College of Engineering and Technology, January 2025

National Conferences:

NA

Conference Attended

Singular Value Decomposition" at AMC Engineering College, May 2015
o "Humanoid Robotic Hand" at AMC Engineering College, May 2017

Awards

NA

Academic Activity

4-week course on "Teaching and Learning in Engineering" (Feb 2023)

Conducted a 4 days workshop on "PCB Design & Fabrication Process"(April 2017)

- ▣ **Coordinator in Techwizard (May 2017)**
- ▣ **Organized Project Exhibition "Electronify"(July 2023)**

NAAC Criteria 1 Coordinator at City Engineering College

- ▣ **NBA Criteria 5 Coordinator (ECE) at T.John Institute of Technology**
- ▣ **NBA Criteria 1,4 & 5 Coordinator (CSE) as well as Institutional level Coordinator at A.P.S. College of Engineering**

Faculty Development Activity/Workshops

Two-day workshop on "Advanced Networking & Technology- A Practical Approach'10 (Feb 2010)

- ▣ Two-day workshop on "Raspberry Pi" (July 2015)
- ▣ Five-day national workshop on "Outcome-Based Education and NBA Accreditation" (Jan 2020)
- ▣ Conducted workshop on "PCB Design & Fabrication Process"
- ▣ Two-day workshop on "VLSI Design and Programming" (March 2022)
- ▣ Five-day workshop on "High Performance Computing" (Jan 2022)
- ▣ Training Program on "Robotics" (June 2022)
- ▣ Five Days State Level Online Workshop on "ICT Tools & Effective Presentation Techniques" (Oct 2022)
- ▣ Workshop on "5G-Advanced Antenna Design using Ansys HFSS" (Jan 2023)
- ▣ Workshop on "IoT" (Sept 2023)

- ▯ FDP on "Outcome-Based Education" (Sept 2023)
- ▯ FDP on "Mentor Graphics VLSI" (Sept 2022)

Contact Details

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