

Dr. Madhu Kumari

Associate Professor,

Head of Department (HOD) of Electronics and Computer Engg.

**Educational qualification - PhD (Engineering), M. Tech. (Digital communication engg.),
B. Sc. Engg. (Electronics and Telecommunication engg.)**

Personal Website: <https://madhukumari.com/>

Brief introduction: With over 29 years of teaching experience, Dr. Kumari is a senior academician in the field of Electronics and Telecommunication Engineering. Her areas of interest include Digital Instrumentation, IoT, Green Technology, Renewable (Solar) Energy Generation, and Digital Watermarking Systems. She has served as the Chairperson of various academic and administrative committees and has played a key role in developing the Microprocessor and Microcontroller Laboratory, Electronics Skill Development Centre, and Instrumentation and Control Laboratory. Beyond academia, Dr. Kumari has actively contributed to society through computer literacy programs for tribal communities in Jharkhand since 2005 and by promoting solar power systems and energy conservation initiatives in Bihar and Jharkhand. In collaboration with JREDA, she facilitated the installation of a solar distillation system in Chandawa Village in 2007, supporting sustainable rural development.

Area of interest:

- Communication system and technology;
- energy management;
- digital watermarking system filter design;
- Address space management technology for signal transmission.

Teaching interest: Undergraduate and Postgraduate

- Instrumentation and control;
- Electronics devices and Circuits;
- Control System engineering;
- Digital signal processing;
- Microprocessor and Microcontroller.
- Active devices.

ORCID: <https://orcid.org/0009-0002-9968-6032>

Google Scholar ID: <https://scholar.google.com/citations?user=udHeMCwAAAAJ>

Vidwan: <https://vidwan.inflibnet.ac.in/profile/522056>