



A.LAVANYA

M.TECH

ASSISTANT.PROFESSOR

ELECTRONICS & COMMUNICATION ENGINEERING

Area of Interest: EMBEDDED SYSTEMS, COMMUNICATIONS.

Educational & Professional

Academic Qualifications:

M.Tech. in Embedded-System , Aurora Technological & Research Institute , Uppal (2008-2012).

B. Tech. in Electronics and Communication Engineering, YPR college of Engineering & Technology, Medak(2002-2006).

Professional Experience:

At TKR College of Engineering and Technology, Hyderabad
- Assistant Professor, (2015 – Till date).

At Institute of Aeronautical Engineering
- Assistant Professor, Hyderabad (2014 – 2015).

At Pujya Shri Madhavanji College of Engineering & Technology,
Hyderabad - Assistant Professor, Hyderabad (2010 – 2014).

At Hitech college of engineering and Technology,
Hyderabad - Assistant Professor, Hyderabad (2006 – 2008).

Books Published:

- A text book on “DIGITAL ELECTRONICS” for diploma(VGS Publishers).

Paper Publications: 4

1. Published paper on “Internet of things: Security Issues”, IJESI, ISSN: 2319-6734, Vol6, Issue 11, Nov 2017.
2. Published paper on “PAPR Reduction in OFDM”, IJESI, ISSN: 2319-6734, Vol6, Issue 11, Nov 2017.
3. Published paper on “IOT Based Computer Controlled Intrusion Detection and Automatic Firing Unit for Border Security”IJMTE, ISSN: 2249-7455, Vol IX, Issue IV, April 2019.
4. Published paper on “Environmental Monitoring in Grain Granary Based On Embedded System”, IJR, ISSN: 2236-6124, Vol VIII, Issue IV, April 2019.

Workshops:

- Attended workshop on DIGITAL DATA COMMUNICATIONS at NIT Warangal 2008.
- Attended workshop on “Outcome based Engineering. Education” by A.K. Shastri, 2014.
- Attended workshop on “ARM BASED EMBEDDED PROCESSING”,2015.
- Attended training program on “DATA NETWORKING ROUTING & SWITCHING”,2015.
- Attended workshop on “EMBEDDED SYSTEMS AND ROBOTICS”,2016.
- Attended workshop on “SIGNAL & VIDEO PROCESSING” at MRCEW,2017
- Attended workshop on “Home Automation with IoT using Raspberry Pi”,2017.
- Attended workshop on “Introduction to Python”,2017.

Organized:

- Organized and attended workshop on “PCB design and fabrication”, 2017.

Subjects Handled (in UG level):

- Microprocessors And Controllers, Microprocessors And Interfacing, Switching Theory And Logic Design, Digital Logic Design, Integrated Circuits Applications, Digital Signal Processing, Electronic Devices And Circuits, Analog communications, Signals & Systems Signals & Stochastic process