



S.SWATHI

M.TECH

ASSISTANT.PROFESSOR

Electronics & Communication Engineering

Area of Interest:

- 1. COMMUNICATION SYSTEMS**
- 2. DIGITAL IMAGE PROCESSING**
- 3. EMBEDDED SYSTEMS**

Details Of Education, Teaching

Education Qualification

- **M.Tech.** (ECE), 2011-2013, CVSR COLLEGE OF ENGINEERING & TECHNOLOGY (affiliated to JNTUH), HYD.
- **B.Tech.** (ECE), 2007-2011, ANNAMACHARYA COLLEGE OF ENGINEERING OF TECHNOLOGY (affiliated to JNTUH), HYD.

Employment record

- Worked as Assistant Professor in Brilliant Group of Institutions , HYD, from 2013-2015
- Worked as Assistant Professor in TKR College Of Engineering &Technology , HYD from 2015-2017
- Worked as Assistant Professor in Sri Indu College of Engineering &Technology, HYD from 2020-2022
- Working as Assistant Professor in TKR College Of Engineering &Technology , HYD from 2023-Till date(Total 7 years of experience)

Workshops and Development Programs attended in the recent past:

● **Workshops:**

- Attended Workshop on "Entrepreneurship and Challenges", 2021
- Attended workshop on "PCB design and fabrication", 2017
- Attended training program on DATA NETWORKING ROUTING & SWITCHING., 2015
- Attended Workshop on ARM BASED EMBEDDED PROCESSING. 2015

● **FDP's:**

- Attended online ATAL(AICTE Training And Learning)Academy FDP on IOT.
- Attended online ATAL (AICTE Training And Learning)Academy FDP on Blended Learning and Flipped Classroom.
- Attended online ATAL (AICTE Training And Learning)Academy FDP on simulation of welds and optimization Techniques.
- Attended online ATAL(AICTE Training And Learning)Academy FDP on Fundamentals of Geomatics(Remote Sensing, GIS, GISS)
- Attended FDP on Smart Grids and Micro Grids

LIST OF PUBLICATIONS

International Journals:

- S.Swathi, A. Krishna Kumari "DWT&SVD Based Satellite Image Resolution And Contrast Enhancement" IJRIT International Journal of Research in Information Technology, Volume 1 Issue 12, December, 2013, Pg. 12-22 .
- S. Swathi J Sravanthi "Improving computation complexity in DDSTBC using coefficient vectors for fading channels" IJESI International Journal Of Engineering Science Invention, Volume 6 Issue 11, November 2017, Pg. 68-75.
- J Sravanthi S. Swathi "Co-operative Communication in UWB OFDM Systems" IJESI International Journal Of Engineering Science Invention, Volume 6 Issue 11, November 2017, Pg. 60-67.
- S SWATHI , R SARADA P MAMATHA, "A ROBUSTIC AUTOMATIC VEHICLE NUMBER PLATE RECOGNITION SYSTEM USING IMAGE PROCESSING AND DEEP LEARNING TECHNOLOGIES"

Levant Journal , Volume20 Issue 7, July2021,Pg.284-289.

- P MAMATHA,S SWATHI , R SARADA, “AN EFECETIVE MMWAVE MIMO CHANNEL MEASUREMENTS IN MIMO ANTENNA CONFIGURATIONS FOR B5G WIRELESS COMMUNICATION”

Levant Journal , Volume20 Issue 7,July2021,Pg.290-297.

- R SARADA,P MAMATHA,S SWATHI“Iris Image Processing System and Iris Segmentation Technique USING MiCoReNet and EMiCoAReNet” ,Levant Journal, Volume XIII, Issue VII, July/2021,Pg.1173-1179.

Subjects Handled (UG Level):

- Analog Communication
- Pulse & Digital Circuits
- Satellite Communication
- Wireless Communication & Networks
- Electronic Devices &Circuits
- Consumer Electronics
- Computer Organization Operating systems
- Data Communication And Networks.

Project Guidance (UG level):

Student Name	Title	Year
1.GUNDAPUNENI RAASI 2.JAWAJI SHIVAPRASAD 3.GAZIBANDA HARSHIT RAJ 4.GADDAM VINAY	PI MODEL RC PLANE DESIGN WITH CG CALCULATIONS	2021-22
1.THALLA VAISHNAVI 2.ADDULA POOJITHA 3.THALASANI VAMSHIDAHAR REDDY 4.SEJAL JOSHI	IMPLEMENTATION OF PESTISIDES SPRAY DRONE FOR AGRICULTURE FIELD	2021-22
1.ALLADI VARUNKUMARGOUD	BLUE TOOTH CONTROLLED SMART 16-DOF	2021-22

2.BURA JEEVAN KUMAR 3.BUTHPUR RAKESH 4.KOTA KARTHIK	HUMANOID ROBOT	
1.BATHULA VEERANJANEYULU 2.ANUMANDLA ANUSHA 3.C SAI HIRANMAYI 4.CHINTHA SIDDHU	SMART CROP PROTECTION FROM ANIMAL	2021-22
1.BATHINI SUSMITHA 2.MAMATHA REDDY 3.SHILPA KASTHALA 4.RAMYA KONANKI	ANDROID Mobile controlled voice guider for patients/old aged people	2015-16