CH.DIVYA

M.TECH

ASSISTANT.PROFESSOR

Electronics & Communication Engineering

Area of Interest:

1. VLSI
2. EMBEDDED SYSTEMS
3. DIGITAL IMAGE PROCESSING

Details Of Education, Teaching

Education Qualification

- **M.Tech.** (VLSI SD), 2012-2014, B.V RAJU INSTITUTE OF TECHNOLOGY (affiliated to JNTUH), MEDAK.
- **B.Tech.** (ECE), 2008-2012, DRK INSTITUTE OF TECHNOLOGY (affiliated to JNTUH), MEDCHAL.

Employment record

- Working as Assistant Professor in TKR Engineering College, Meerpet from April 2015 to till date (5 years 7 months experience).

Workshops and Development Programs attended in the recent past:

- **Workshops:**
  - Attended workshop on "Digital system design using FPGA and Simulink", 2017.
  - Attended workshop on "Future trends in wireless communication", 2017.
  - 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:**
➤ Sensors Technology,(ATAL) NIT JAMSHEDPUR,2020.
➤ Recent Trends in Electronics and Communications for Teaching Learning and Research,Sridevi Women's Engineering College, Hyderabad,2020.
➤ Trends in Digital Design,Vignan Institute For Women,Ghatkesar,2020.
➤ Wireless Communications and Mobile Technologies,BVRIT Hyderabad College of Engineering for Women,2020
➤ Research Opportunities in Image Processing and Machine Learning,CBIT, Hyderabad.
➤ Introduction to Renewable Energy Sources,KKR & KSR Institute of Technology & Sciences, Guntur,2020.
➤ Recent Trends in Communication technology,KPRIT,Ghatkesar,2020.
➤ Technologies for Healthcare,GMRIT,Kakinada,2020
➤ Artificial Intelligence,CMREC,2020.
➤ Python Programming,Gurunanak(GNIT),2020.
➤ Pedagogical Training,TKRCET,2019.
➤ Artificial Intelligence,(AICTE sponsored)JNTUH,2019.

LIST OF PUBLICATIONS

International Journals:

1. Factory Automation And Irrigation Control In An IOT Environment, IJR ,Vol No.:9,ISSUE:4, ,pp 61-69,April,2020.
2. Color Image Segmentation For Malaria Parasite Detection Using Cascading Method,IJR , Vol No.:9,ISSUE:3 ,pp 126-132,March,2020.
3. Patient health monitoring with doctors alert reporting over IOT, IJR, Vol No.:8,ISSUE:4 ,pp 1449-1453,April,2019.
4. An review on low power ALU designs based on reversible logic, IJR,Vol No.:8,ISSUE:4, pp 1511-1518,April,2019.
5. An MRC based efficient RNS backward converter for novel moduli set, IJCRT, Vol-6,Issue No. 1, pp 26-29, Jan, 2018.

6. "An Power Efficient RNS Backward Converter for Novel Moduli Set $\{2^{2n+1}, 2^{2n} - 1, 2^{2n} + 1\}$", IJCEM, Vol 17, No. 6, pp 8-13, Nov, 2014.

7. "An Power Efficient New CRT Based Reverse Converter for Moduli Set $\{2^{2n}, 2^{2n+1} - 1, 2^n + 1, 2^n - 1\}$", IJCEM, Vol 17, No. 6, pp 27-32, Nov, 2014.

Subjects Handled (UG Level):

- Microprocessors And Microcontrollers
- Cellular & Mobile Communications
- Linear & Digital Integrated Circuit Applications
- Coding theory and techniques
- Satellite Communications

Project Guidance (UG level):

Student Name	Title	Year
K. VIJAYA DURGA,M. SRI VYSHNAVI, Y. SANTHOSH	Color Image Segmentation For Malaria Parasite Detection Using Cascading Method	2020
C. VAISHNAVI RAO , D. PAVAN KUMAR REDDY, G.B.V. SAI ESWAR	Factory Automation And Irrigation Control in an IOT Environment	2020
B.LAXMI MANASA, B.T.VANI, SRIRAMULA YASHWANTH	Reverse realization of arithmetic circuit for Low power loss ALU applications	2019
K.RAJITHA,K.KAVYA, K.PRAVALIKA	Patient health monitoring with doctors alert reporting over IOT	2019
P.ANUSHA, P.NAGARAJU P.SANKEERTHANA	Design And Synthesis Of Combinational Circuits Using Reversible Decoder in Xilinx	2018
S.MANIPAL REDDY, P PUSHPAK KUMAR, T SHEKAR GOUD	Health Monitoring and Management Using Internet-of-Things (IOT) Sensing with Cloud-based Processing	2018
B.SAI KUMAR,CH.ANILKUMAR, CH.PRANAV, CH.YASHWANTH	Face Recognition Using PCA Algorithm	2017

R. RAJ KUMAR, P.VIVEK , V.NISHANTH	Bluetooth Spying Robot with Night vision wireless camera	2016