



Mr.CH.Naveen Kumar (PhD)

Assistant Professor

Department of Electronics & communication Engineering
Raghu Enginnering College - 531162, Visakhapatnam, INDIA

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Interests: wireless communication;IOT; Real-Time Embedded System;

Course Taught Previously

UG.

- Digital Logic Design
- Electronic Devices & Circuits
- Digital electronics
- Intellectual property rights
- Professional human values and rights

Laboratories Handled

- BEEE Lab
- Very large scale integrated lab
- Electronic Devices and circuits Lab
- PDC lab
- Digital electronics lab
- Electronic circuit analysis lab
- Semiconductor diodes and its applications lab
- Digital integrated circuits applications lab
- Digital communication lab
- Analog communication lab

Publications

International Journals

1. Mr Ch Naveen Kumar, P. Sadvika, P. Lalith Varma, R. Chaitanya, T.Sai Ram
“AN ADAPTIVE ANALOG-DIGITAL BEAMFORMING WIRELESS CELLULAR SYSTEMS”
Journal of Aeronautical Materials Vol. 43, Issue-01, 2023.

2. Ch. Naveen Kumar, S. Lakshman Teja, S . Prathyusha, P . Ravi Teja ,V.Yaswanth “**QCA DESIGN OF FULL ADDER AND FULL SUBTRACTOR USING XOR GATE**” Journal of Data Acquisition and Processing Vol. 38 (2) 2023.
3. Ch.Naveen Kumar ,Shree Vaishnavi Ayyagari,I.Chaitanya,G.Umamaheswar Rao,D.Tejeswara Rao, “**UNDER WATER COMMUNICATION USING IR UPLINK AND NEC PROTOCOL**”NeuroQuantology Journal,Volume 20,Issue 10, August/2022.
4. Ch.Naveen Kumar ,G.Ramesh Babu,D.Monica Satyavathi, V.Mohana Gandhi, “**SOCIAL DISTANCE**” **Mukt Shabd Journal**, Volume XI, Issue I, JANUARY/2022
5. Chinthagada Naveen Kumar,Gondasu Sandhya, K.Geethanjali,V.Mohan Gandhi “**Design of XOR Hybrid Adder with Low Power and Low Area**” **IJAEMA**, Volume XIII, Issue X, OCTOBER/2021
6. G.Ramesh Babu,V.Mohana Gandhi,Ch.Naveen Kumar, S.Devendra,” **SPEECH ENHANCEMENT USING DNN**” **Mukt Shabd Journal**, Volume X, Issue II, FEBRUARY/2021
7. G.Ramesh Babu,A.Vamsidhar,G.V.Sridhar,Ch.Naveen Kumar, “**SPEECH ENHANCEMENT FOR HEARING AID PEOPLE**” Volume X, Issue I, JANUARY/2021.
8. Chinthagada Naveen Kumar , D. Monica Satyavathi , Attada Rutwik, “**Design and Implementation of 4-Bit Comparator by using Win cell partition with efficient constraints**” **IJAEMA** , Volume XII, Issue V, MAY/2020
9. H K Raghu Vamsi K, Kasi Geethanjali, Chinthagada Naveen Kumar, P Sekhar Babu, L.V. Santosh kumar Y,” **ALGORITHM TO IMAGE IDENTIFICATION AND ARTIX-7 FPGA IMPLEMENTATION FOR ADEQUATE EDGE DETECTION**” **IJRTE**, Volume-8 Issue-5, JANUARY/2020
10. Ch.Naveen Kumar, D.Srinivasa Rao, “**MIMO-OFDM DOWNLINK WIRELESS SYSTEM WITH REDUCED PAPR**” **IJACSSE**, Volume-3, OCTOBER/2014

Patent Publication:

- Published patent on **Software Defined Networking System for the Automation of Network Security**, Application No.202041047517 A , (19) INDIA, Date of filing of Application :30/10/2020 , Publication Date : 06/11/2020

Conference Proceedings

1. G.Ramesh Babu,Chinthagada Naveen Kumar,Maradana Harish,”**DROWSINESS DETECTION USING DIGITAL IMAGE PROCESSING**”,Wiley Publisher,July/2022
2. Ch.Naveen Kumar, D.Srinivasa Rao, “**MIMO-OFDM DOWNLINK WIRELESS SYSTEM WITH REDUCED PAPR**” **ICACSSE**, Volume-3, OCTOBER/2014

PHDs Supervised

Name of Student	Area of Research	Remarks *
NILL		

Workshops/Conferences/Seminars/Symposiums organised

Conferences/Symposiums

S. No	Name of the Programme	Dates	Sponsored by	Role
NILL				

Seminars, Workshops and STTPs

S. No	Name of the Programme	Dates	Sponsored by
1	Analog And Digital IC Design Using Cadence Dsign Flow	26/10/2022 29/10/2022	to ENTUPLE Technologies
2	Accreditation and Outcome Based Education	19/07/2022 23/07/2022	to NITTR, CHENNAI
3	Wireless Communications for Everybody	27/06/2022 02/08/2022	to COURSERA
4	Machine Learning In Real Time Embedded And Iot Applicatipons	02/05/2022 12/05/2022	to Electronics & ICT Academy at Raghu Engg College
5	Peer –to –peer protocol and local area networks	22/03/2022 14/04/2022	to COURSERA
6	Innovative machanisems and standards for assuring quality in HEL's	11/03/2022 12/03/2022	to Organized by koneru lakshmaiah education foundation under IAQHEI
7	Introduction to Research	Feb to April 2022	Nptel Swayam
8	Research Ethics	July to Sept 2022	Nptel Swayam
9	Communication Systems using Machine Learning Algorithms(CSMLA)	14/03/2022 19/03/2022.	to Annamacharya Institute of Technology and Sciences
10	Internet of Things	24/01/2022 30/01/2022	to Electronics & ICT Academy at Gitam university
11	Recent advances in IoT and Machine Learning: Application and Hands-On	16/12/2021 18/12/2021	to Raghu Engg College In Association With Robo-Coupler Pvt.Ltd
12	Opportunity, Challenges and Research Trends in WC (Wireless Communication)	23/04/2021 29/04/2021	to AICTE-ISTE Guru Nanak Institutions Technical Campus, Hyderabad.
13	VLSI, Image Processing and Design of antennas” (COVID) Organized by UCEV	03/09/2020 04/09/2020	& JNTUK
14	Global Navigation Satellite	14/09/2020	to Indian Institute of Remote

	System	25/09/2020		Sensing (IIRS),ISRO,Dehradun
15	Accelerating Research	27/08/2020 29/08/ 2020	to	Lendi institute of engineering and technology
16	High performance intelligent real time embedded systems design and IOT to accelerate Automation system into Autonomous system	03/08/2020 08/08/2020	to	R.M.K Engineering College.
17	Deep Learning for Business PN junction and Metal Semiconductor contact	22/07/2020 13/08/2020	to	COURSERA
18	TOT for TEACHER EDUCATORS	20/07/2020 24/07/2020	to	National Institute Of Technical Teachers Training And Research, Bhopal
19	Satellite Photogrammetry and its Applications	29-06-2020 to 03-07-2020		Indian Institute of Remote Sensing (IIRS),ISRO,Dehradun
20	Remote Sensing and GIS Technology and Applications for University Teachers and Government Officials	13-06-2020 to 07-2020		Indian Institute of Remote Sensing (IIRS),ISRO,Dehradun
21	Opportunities and challenges in next-generation semiconductor devices”.	16/06/2020 20/06/2020	to	ANITS College
22	Mobile Ad Hoc Networks - A Reliability Perspective	11/06/2020 13/06/2020	to	Bhimavaram Institute of Engineering & Technology
23	PN junction and Metal Semiconductor contact	05/06/2020 06/07/2020	to	COURSERA
24	Artificial Intelligence	25-05-2020 to 29-05-2020		AICTE
25	Micro strip antenna for advanced wireless communication.	15/05/2020 &16/05/2020		KHIT Guntur
26	Multi-carrier modulation in broad band communication and technology in 5G.	29/05/2020 30/05/2020	to	Raghu Engineering college
27	VLSI Technology in Hardware for AI &MI.	25/05/2020 27/05/2020	to	GMRIT
28	Embedded system design on 8-bit micro-controller using KEIL software	29.05.2020 & 30.05.2020		ANITS College
29	Cyber security	03/06/2020 05/06/2020	to	Anurag University
30	FPGA design for embedded systems	12/05/2020 31/05/2020	to	COURSERA

31	Completed the course in Design and Verification using Verilog	06/04/2020 11/04/2020	to	EXCEL VLSI Technologies, Bangalore.
32	IOT Wireless and Cloud Computing Emerging Technologies	18/03/2020 08/04/2020	to	COURSERA
33	Real time Embedded Systems & IoT, its applications	02/06/2018 08/06/2018	to	E&ICT academy NIT Warangal at RIT Visakhapatnam

Visit to outside institute/organization:

S. No	Instit. visited	Organization	Purpose of visit
NILL			

Continuing Education / QIP Short Term Lectures / Special Lectures given:

S. No.	Title of Lecture / Lecture Series	Place
NILL		

Details of professional training and research experience

S.No.	Title of the Course	Place	Year	Duration
1	Embedded Training	Vector, Hyderabad	2016	1 year

Projects

Sponsored R & D, Consultancy Projects:

S. No	Title of Project	Funding Agency	Financial Outlay	Project Period	Project Status
NILL					

Awards and Honors

- GATE 2012 Rank holder
- APRCET 2020 Rank holder

Additional Responsibility

RESPONSIBILITIES WITHIN THE INSTITUTE:

1. ECE Department Timetable In-charge
2. ECE Department Exam Cell Coordinator
3. IEEE,IIC,IETE,AICTE Technical and Alumni Talks Coordinator

4. Took charge as class in-charge to the 4th yr students.

POSITIONS HELD OUTSIDE THE INSTITUTE:
Nil