Appala Raju Uppala_Profile_ Department of ECE.

Name of the Faculty	APPALA RAJU. UPPALA
Designation	Associate Professor
Department	ECE
Area of Interest	Digital System and Computer Electronics in Masters and Communications and signal processing in Research
Subjects Taught	1. Electronic Devices and Circuits 2. Electronic Circuit Analysis and Design 3. Linear and Digital Integrated Circuits 4. Probability Theory and Stochastic Processes 5. Switching Theory Logic Design 6. Pulse and Digital Circuits 7. Signals and Systems 8. Digital Communication 9. Telecommunication Switching Systems and Networks 10. Digital System Design
JNTUH Registration Id	*Faculty Registration Id: 5441-150409-115721*
College Staff Code	SC0788
Official Mail	uar77.ece@gcet.edu.in

Educational Qualifications:

S.No.	Degree	Specialization	University/College	Year
1	Ph.D.	Signal Detection and Estimation in Cognitive Radio System	Dept of ECE, JNT University, Kakinada.	**Registered in 2014 (Thesis Submitted on 17th February 2022)**
2	M. Tech.	Digital System And Computer Electronics	Srinidhi Institute of Science and Technology, Hyderabad "JNTU-Hyderabad"	**2007**
3	AMIE	Electronics & Communication Engineering	The Institution of Engineers(INDIA), Kolkata.	**2004**
4	Diploma	Electronics & Communication Engineering	Govt.Polytechnic College, Narisipatnam "State Board of Technical Education & Training A.P. Hyderabad".	**1997**
5	Inter (Vocational)	Radio & TV Technician	Govt. Junior College, V. Madugula. "Board of Intermediate Education, A.P. Hyderabad".	**1995**
6	SSC	general	Z.P.H.School,V.Madugula "Board of Secondary Education A.P"	**1992**

Paper Publications:

S. No.	Publication details
1	**Appala Raju Uppala**, Dr.C.Venkata Narasimhulu and Dr.K.Satya Prasad "**Analysis of Cyclostationary Spectrum Sensing with PSK Modulation Schemes for Cognitive Radio** " Proceedings in the Joint International Conference on Communication,

	Computing and Power Technologies (ICCCPT 2015) Organised by Department of Electrical and Electronics Engineering, Velammal Engineering College, Chennai, India.22nd and 23rd April 2015ISSN 0973- 4562 Vol. 10 No.44 (2015), International Journal of Applied Engineering Research. (Scopus Indexed Journal and Journal Number: 64529)
2	**U.Appala Raju** and Dr. C.Venkata Narasimhulu, "Investigating Suitable Signal processing Techniques for spectrum sensing "Proceeding of 3rd Natonal Conference on Latest trends in Signal Processing, VLSI and Embedded Systems held at Geethanjali College of Engineering and Technology,Hyderabad.20th and 21st June 2014. ISBN: 978-93-83459-63-6, Bonfring
3	**AppalaRaju.Uppala**, C.VenkataNarasimhulu, K.Satya Prasad "**Spectrum Sensing By Correlation Modulation Format Identifier and Improved Energy Detection Using Noise Estimation Based Dynamic Threshold**" *Ad Hoc & Sensor Wireless Networks* (Old City Publishing),Vol.50, no. 1-4, pp. 215-237, August 2021. Impact Factor: 1.013, ISSN: 1551-9899 (SCI)**.**
4	**AppalaRaju.Uppala**, C.VenkataNarasimhulu, K.Satya Prasad "**A Novel MAC Protocol with Fusion Center and Adaptive Full-Duplex Communication for Cognitive Radio Networks**" IETE Journal of Research (Taylor and Francis), July 2021, Impact factor 1.24, H-Index 25, SCIE, https://doi.org/10.1080/03772063.2021.1951366, ISSN 0974-780X.
5	**AppalaRaju.Uppala**, C.VenkataNarasimhulu, K.Satya Prasad "**Improved Convolutional neural network based on cooperative spectrum sensing for cognitive radio**" KSII Transactions on Internet and Information Systems, Vol.15, Issue 6, June 2021, ISSN 1976-7277, Page No. 2128-2147 [SCIE (Thomson Reuters) and SCOPUS (Elsevier), and Impact factor 0.9, H-Index 25]. http://doi.org/10.3837/tiis.2021.06.011
6	**AppalaRaju.Uppala,** C.VenkataNarasimhulu, K.Satya Prasad "**DynMAC Based Spectrum Handoff Algorithm for Deterministic Multihop Industrial Networks**" Journal of Green Engineering (JGE), Vol.11, Issue 3, March 2021, ISSN 1904-4720, Page No. 3042-3062 (Scopus Indexed free Journal and cite score is 0.8)
7	**AppalaRaju.Uppala**, C.VenkataNarasimhulu, K.Satya Prasad "**Implementation of MAC protocol for Analysis of Traffic in Smart Cities**" Journal of Advanced Research in Dynamical and Control Systems (JARDCS), Vol.11,06 special Issue 18th June.2019, ISSN 1943-023X, Page No.1349-1357, (Scopus Indexed free Journal and cite score is 0.31)

8	**Appala Raju.Uppala**, Dr.C.Venkata Narasimhulu, Dr.K.Satya Prasad "**A Proficient Modified Multi-Channel MAC Protocol for Wireless Networks**" International Journal of Research in Electronics and Computer Engineering (IJRECE), Vol.6,Issue 1 JAN-MAR.2018,ISSN 2348-2281, Page No.299-303, impact factor: 4.305 (UGC Approved and Journal Number: 44816)
9	T.Shaista Firdose, **Appala Raju Uppala** "**Design and Implementation of Cognitive Radio Communication System for Short Range Applications Using Raspberry Pi**" International Journal of Electrical Electronics and Communication (IJEEC), ISSN 2048-1069, Volume 21, Issue 07 1 Oct-2016, page 4471.
10	Satyanarayana Chanagala, **Appala Raju Uppala**, Yedukondalu Kamatham, Najeemulla Baig "**An approach to geometrically correct the raw satellite Image**", International Journal of Engineering Research and Technology (IJERT), Volume 1 , Issue 10, December(2012),Impact Factor:05(2012)
11	Satyanarayana Chanagala**, Appala Raju Uppala** ,Yedukondalu Kamatham, Najeemulla baig "**Effect of subsetting on the accuracy of classified image**", International Journal of Electronics and communication Technology (IJECT), Volume 3 , Issue 4, October-December(2012),Impact Factor:5.09(2012)
12	Satyanarayana Chanagala, **Appala Raju Uppala** ,Yedukondalu Kamatham, M. Ravi Kumar "**A Novel Technique to Secure Communication Using Chaos Generated by Non-Linear Circuits**",International Journal of Mobile & Adhoc Network|Vol2|issue 4|November 2012. pp. 432-436
13	Satyanarayana Chanagala, **Appala Raju Uppala**, Yedukondalu Kamatham, M. Ravi Kumar '"**Effect of Sub-Classes on the Accuracy of the Classified Image**"- "International Journal of Electronics and Communication Engineering and Technology(IJECET)". Volume 3, Issue 3, October- December (2012), pp.60-67. Impact Factor:3.59(2012)
14	Satyanarayana Chanagala, **Appala Raju Uppala** ,Yedukondalu Kamatham, M. Ravi Kumar '**Correlation and Relative Intensity Noise (RIN) analysis of the Chaos and the Message masked by the Chaos**'- "International Journal of Electronics Communication and Computer Engineering (IJECCE)",Volume 3 Issue 5, Sept. 2012 Impact Factor: 01(2012).
15	Satyanarayana C, **Appala Raju U**, Yedukondalu K, M. Ravi Kumar "**Information extraction through Multispectral Data processing in Remote Sensing Image Evaluation**", International Journal of Graphics and Image Processing, Volume 2 Issue 3

	August 2012,pp.224-228.
16	Patent: **AppalaRaju.Uppala**, C.VenkataNarasimhulu, K.Satya Prasad "METHOD AND SYSTEM FOR SCEDULING SECONDARY USERS IN A COGNITIVE RADIO NETWORKS" in month of April 2021 with application Number 202141015878 and reference number. IPA1010.

Books/Book Chapters Published:

S. No.	Publication details
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Experience:

Teaching	15 Years and 4 Months
Industry	------
Research	8 Years
Total Experience	**15 Years and 4 Months**