

Profile of Dr.CH.NAGARAJU

Name: Dr.CH.NAGARAJU
Designation: Professor & Head,
Department: ECE
Teaching Experience: 15 Years
Mobile Number(s): 9989994021
Mail-ID: chrajuaits@gmail.com



Educational Qualifications

S.No.	Level(UG/PG/Ph.D)	year	Specialization
1.	Ph.D	2016	Wireless Communications
2.	M.Tech	2005	Communication & Signal Processing
3.	B.Tech	2002	Electronics & Communication Engineering

Details of Ph.D:

Thesis Title: BER Performance Analysis and PAPR Mitigation in MIMO-OFDM System

Teaching and Learning

Teaching Interest:

- Adhoc Networks
- Signal Processing
- Electronic Devices & Circuits
- Analog and Digital Communications
- Wireless Communications & networks
- Circuit Analysis

Teaching & Learning Techniques Adopted

- ICT
- Project Based Learning

Curriculum Updation/Design

Actively involved in the designing of course structure and syllabus and also involved in preparation of PEOs, Pos and Cos.

Roles & Responsibilities

Department Level

- Board of Studies: Chairman, Department of ECE

- IQAC: Ex-Officio member
- Academic Council: Member
- Departmental Committee (DC): Chairman- M. Tech & B.Tech (Academic Projects)
- Quality Circles: Chairman, ECE
- ECE Antrix Association: President

Institute Level

- Targetorate Industry Interaction Program: In-charge
- Academic Section: In-Charge

Events Organized

Technical & Cultural Fests

1. Convenor: Organized a National Level Technical and Cultural Fest ATM-19 on 14th February 2019 14/2/19
2. Convenor: Organized a National Level Technical and Cultural Fest on 7th February 2018

Conferences

1. Convenor: Organized a National Conference on “Emerging Trends in Information, Digital and Embedded Systems (NC’e-TIDES-19)” from 13th - 14th March 2019

Workshops

1. Convenor: Organized a Two day workshop on “Industrial Automation System using PLCs” From 20th – 21st September 2019 and 10th -11th March 2018
2. Convenor: Organized a Two day workshop on “Matlab and Its Applications” from 21st -22nd August 2019
3. Convenor: Organized a Two day workshop on “Antenna Design Fabrication and Link Deployment” from 30th -31st July 2019 and 13th - 14th October 2017
4. Convenor: Organized a One week workshop on “Industrial Robotics” 15th – 20th September 2019
5. Convenor: Organized a Two day workshop on “VLSI design methodology” from 7th -8th March 2019 and 25th -26th February 2018
6. Convenor: Organized a Two day workshop on “PCB Design” from 20th - 21st February 2019 and 14th -15th October 2017
7. Convenor: Organized a Two day workshop on “Introduction to MATLAB” from 25th -26th September 2018

8. Convenor: Organized a Two day workshop on “Embedded system Design using Micro controllers” from 14th -15th September 2018
9. Convenor: Organized a Three day workshop on “Embedded system Design using Micro controllers” from 12th -14th September 2017

Academic Contributions and Research

Patents

1. **Title of Invention:** IoT System to Detect and Analyze Gait of an Individual and Method Employed Thereof
Application Number: 201941043934
Published Date: 01/11/2019
Publication Agency: IPR India
2. **Title of Invention:** Computer Implemented Method and System for Processing Qualitative Imaging to Detect and Forecast Abnormalities
Application Number: 201941033884
Published Date: 20/09/2019
Publication Agency: IPR India

Journals

1. Dr.Ch.Nagaraju, C.Venkatesh, K.Preethi, S.Sowmya, “Synchronization Method for MIMO-OFDM Systems Using CAZAC”, International Journal of Engineering Research, Volume: 8, Special Issue: 01, March 2019, Page No.:84-88, ISSN NO. (Online):2347-6890, ISSN NO. (Print):2347-5013 **(ICI)**
2. Dr. Nagaraju Choudavaram, Ayesha Sidikha S., Chandrika Reddy V., Abdul Ajeer S, “Message Passing Algorithm for Compressed Sensing by Using Hybrid Vector Perturbation”, International Journal of Engineering Research, Volume: 8, Special Issue: 02, March 2019, Page No.:137-139, ISSN NO. (Online):2347-6890, ISSN NO. (Print):2347-5013 **(ICI)**
3. CH. Nagaraju, Dr.Anil Kumar Sharma,Dr.M.V.Subramanyam, “Reduction of PAPR In MIMO-OFDM Using Adaptive SLM And PTS Technique” International Journal of Pure and Applied Mathematics, Special issue, Volume:118,Issue: No. 17, January 2018, Pg.No:355-373, ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version),**(SCOPUS)**
4. CH. Nagaraju, Dr.Anil Kumar Sharma,Dr.M.V.Subramanyam, “Reduction of PAPR In MIMO-OFDM Using Adaptive SLM And PTS Technique” Helix,the scientific Explorer, Volume:8,Issue: 01, December 2017, Pg.No:3016-3022, ISSN 2319 -5592 (Online), DOI 10.29042/2018-3016-3022, **(WEB OF SCIENCE)**
5. Dr.CH.NagaRaju, T.Madhu Krushna,S.Pavan kumar reddy,,S.Mohmmad Farooq “Design Of Intelligent Safety Helmet Sytem For Motarcyclist” International Journal of Engineering and Techniques, Special Issue, April 2018, Pg.No:1-5, ISSN: 2395-1303 **(UGC)**

6. Dr.CH.NagaRaju, M. Sailendra pavan kumar, K. Manikanth Reddy “MRI Denoising Based On Wavelet Shrinkage Method” International Journal of Engineering and Techniques, Special Issue, April 2018, Pg.No:1-7, ISSN: 2395-1303 **(UGC)**
7. CH.Nagaraju, Y.Naga Lakshmi, “Automatic Dam Gate Control System With Caution Alaram Using ARM” International Journal Research, Volume: 03, IssueNo.11, July 2016, Pg.No.:94-102,ISSN (Online): 2348-795X, ISSN (Print):2348-6848.
8. CH.Nagaraju, B.Suresh Kumar, “MIMO OFDM System using Self Heterodyne on Relay Path Analysis” International Journal of Advanced Technologyand Innovative Research, Volume:08, IssueNo.10, August 2016, Pg.No.:2015-2021,ISSN (Online): 2348-2370
9. CH. Nagaraju, Dr. Anil Kumar Sharma, Dr. M.V. Subramanyam “A Novel Enhanced Technique for PAPR reduction Using Weighted OFDM signal” International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE), Volume:04, IssueNo.12, December 2015, Pg.No:446-450, ISSN (Online): 2278-1021, ISSN (Print): 2319 5940, DOI: 10.17148/IJARCCE.2015.412104
10. CH. Nagaraju, Mr. G.V.Bharadwaja Sarma d “Automotive Engine Temperature Control Employing Apt Temperature Measurement And Control Measures” International Journal of Engineering Research and Applications (IJERA) Volume:02, IssueNo.4, July-August 2012, Pg.No:1425-14290, ISSN: 2248-9622
11. CH.Nagaraju, M.V.Subramanyam,-“Quality of service oriented multimedia protocol for wireless Adhoc network” International Journal on Computer Science & Information Technologies, Volume 02, Issue:4,February 2011 Pg.No.: 1484-1488(ISSN 0975-9645).

Conferences

1. CH.Nagaraju, S.Fahimuddin, B.Abdul Rahim, N.Baladastagiri “Computation of Relay Path Analysis in MIMO-OFDM System Using Self-Heterodyne Smart Carrier Position Technique”, International Conference on Advances in Scientific Computing (ICASC2016),Pg.No.:52-53 Organized by Department of Mathematics, IIT Madras, Chennai, India, 28th -30th November 2016.
2. CH. Nagaraju, Dr. Anil Kumar Sharma, Dr. M.V. Subramanyam, “Introduction of Adaptive SLM & PTS Techniques for Reduce PAPR in MIMO-OFDM ”, International conference on current Research in Emerging Trends of Engineering, Technology, Management, Arts, Science, Education, Pharmacy & Medical (CRETETMASEPM-2016), organized by Sunrise University, Alwar, Rajasthan & IIAR,GERA , Katriya Hotel, Hyderabad , 17-18th January 2016. ISBN No.:13:978-1522941347
3. CH.Nagaraju, Dr.M.V.Subramanyam, Dr. Anil Kumar Sharma, “A Novel Enhanced Technique for PAPR Reduction Using Weighted OFDM Signal”, IEEE Sponsored 3rd International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS),

organized by Department of ECE, Karpagam College of Engineering, Coimbatore, Tamil Nadu, 17-18th March 2016. ISBN No.: 978-1-4673-8207-6

4. CH. Nagaraju, Dr. Anil Kumar Sharma, Dr. M.V. Subramanyam, “BER Performance Analysis and PAPR Mitigation In MIMO OFDM Systems ”, International Conference on Emerging Novelties and Vistas in Space Technologies and Applications (ENVISTA – 2015) organized by Satyabama University, Chennai, in association with Indian Space Research Organization, Bangalore, India, 03rd -05th December 2015. ISBN:978-93-83409-12-9
5. CH. Nagaraju, “Energy efficiency in MASP using Wireless sensor Networks”, National conference on Computer Networks & Information security, Vasavi college of Engineering –Hyderabad, March-2014.

Workshops Attended

1. Attended a Two week AICTE sponsored workshop on “Big data Analytics and Machine Learning” organized by department of CSE at AITS, Rajampet from 18th - 30th November 2019
2. Attended a Two day workshop on “VLSI Design Methodology Using Mentor Graphics Tools” (VDMGT-15) organized by Trident Techlabs Pvt. Ltd., in Technical Collaboration with IEI at AITS, Rajampet on 27-28th January 2015.
3. Attended a Eight Week workshop on “Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System” at AITS, Rajampet from 04th September to 26th November 2018
4. Attended a One week workshop on “Training The Teachers in Communicative English” at AITS, Rajampet from 19^h-24th August 2013
5. Attended a Two day workshop on “Network simulation for MANETs & VANETs and sensor networks using NS2” at VIT University, Chennai Campus from 21st -22nd February 2014.
6. Attended a One day Workshop on “Embedded Systems” at Narayandri Institute of Technology & sciences, Rajampet on 8th March 2014

Invited Talks

1. Delivered a lecture on the occasion of technical fest at Siddharth Institute of Engineering & Technology, Puttur on 17th February 2018
2. Delivered a lecture on the occasion of technical fest at St.Johns College of engineering & Technology, Yemmigunur, Kurnool on 25th April 2017

Projects Guided

Finding the industry partners and establishing rapport between department and industry partners and active involvement in the execution of projects.

- Under Graduate (UG)
- Post Graduate (UG)

Awards/Honors/Recognitions Received:

1. Acted as a Judge for District level science fare-2020 (Science Exhibition), organized by Government of Andhra Pradesh at Nirmala English Medium High School, Kadapa.
2. Acted as a Judge for District level science fare-2019 (Science Exhibition), organized by Government of Andhra Pradesh at AITS, Rajampet.
3. Acted as a Judge for National level Symposium Siddharth Quest-2K18 at Siddharth Institute of Engineering & Technology, Puttur on 17th February 2018
4. Acted as a Examiner & Observer for Theory & Laboratory Examinations conducted by JNT University, Anantapuramu and other Autonomous Engineering Colleges
5. Subject Expert for Preparing External Question Papers for University and autonomous Engineering Colleges.
6. Best Paper Award in international conference (ENVISTA - 2015) conducted by Satyabama University, Chennai

Memberships

1. IEI: Associate Member - AM-097391-5
2. IAENG: Life Member - 238274

Signature
(Dr.CH.NAGARAJU)