

Name: **Mr. CHEVELLA ANIL KUMAR**
Designation: **Assistant Professor**
Department: **Electronics and Communication Engineering**
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➤ Experience (in years):

Teaching: 02 + Guest Faculty at JNTUH (2yrs) **Research:** 4.5 Yrs

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D	Thesis Submitted	Signal Processing (Image and Speech)
2	M.Tech	2016	VLSI Systems Design
3	B.Tech	2013	ECE

2. Teaching and Learning:

- 2.1. Teaching Interests: Probability Theory and Stochastic Process, Signals and Systems, Neural Networks and Deep Learning, Digital Signal Processing.
- 2.2. Area of Interests: Image and Speech Processing, Neural Network and Its Applications, Machine learning and deep learning, Computer Vision, Python Programming
- 2.3. Novel Teaching & Learning Techniques adopted: WIT & WIL, Think pair share, Online teaching methods and Learning by Doing.
- 2.4. Involvement in curriculum updating / Design:

3. Co-curricular and Extra-Curricular Activities

- 3.1. Interests and Hobbies: Sports → Vollyball, Cricket, badminton
- 3.2. CCA/ECA Organized:
- 3.3. CCA/ECA participated:
- 3.4. Counseling and Mentoring Activity:
- 3.5. Committees involved in:
 - Department level:
 - Institute Level:

4. Conference / Workshop / Seminar / Guest Lectures :

- 4.1 Conducted:
 - Conducted a Semester Course as a Co-Coordinator on “**Speech and Language Technologies Using Artificial Intelligence and Deep Learning**” at Research and Training Unit For Navigational Electronics, **Osmania University** along with Dr. P. Laxmi Narayana, Director, NERTU, Osmania University from September 21, 2020 – November 07, 2020.
 - Actively Involved in Conducting the Faculty Development Programme on “**Artificial Neural Networks & Deep Learning**” along with the Dr. K. Anitha Sheela, Professor,

Department of ECE, JNTUH CEH, Sponsored by AICTE and conducted at UGC-Human Resource Development Centre, JNTUH from 04-11-2019 to 08-11-2019.

- Actively Involved in Conducting the Refresher Course on “**Systems and Signal Processing**” Sponsored by University Grant Commission and conducted at UGC-Human Resource Development Centre, JNTU Hyderabad from 12-11-2018 to 01-12-2018 along with the Dr. K. Anitha Sheela, Professor, Department of ECE, JNTUH CEH.

4.2 Lecture’s/Resource Person

- **Given a Lecture on “Building LSTM network using Matlab and Analysis/ Case Study of LSTM for Automatic Sign language Recognition” as Resource Person in Short Term Training Programme on “Covid-19 Data Analysis with Deep Learning”** Sponsored by AICTE and conducted at **UGC-Human Resource Development Centre, JNTUH** from 08-11-2021 to 15-11-2021
- Deliver a Lecture on Face Recognition using Deep Learning (CNN)” in All India Seminar on Cyber Security and Image Processing at IEI (Institute of Engineers in India), Hyderabad. Page No: 53, August 10-11, 2019.

4.3 Attended:

- Participated One week Faculty Development Program on “**Digital Signal Processing**”, conducted by JNTU Hyderabad, University Academic Audit Cell from 11th to 16th December, 2017
- Participated in MeitY, Govt. Of India, Sponsored One week Faculty Development Program on “**System Design Aspects in IOT**” Organized by the E & ICT Academy, NIT Warangal at JNTUH College of Engineering (A), Hyderabad from 26th June – 02nd July, 2018.
- Participated One Week Faculty Awareness Program on “**Contemporary Research and IPR**” at JNTUH College of Engineering Hyderabad from 28th Jan to 1st Feb, 2019.
- Participated in Workshop on “**AICTE Quality Initiatives and Funding**” organized by **UGC – Human Resource Development Centre** Jawaharlal Nehru Technological University Hyderabad on 29th October 2021
- Participated in the Online short time skill development course on “**Deep Learning-Based Speech Processing Techniques for Smart Health and Educational Systems-Concepts, Recent Trends and Key Challenges**” conducted by Technology Innovation Hub (TIH), IIT Patna during 20th Sep, 2021-24th Sep, 2021

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: 01

5.2. Articles/Chapters published in Books: 02

5.3. Books published as single author or as editor:

5.4. Projects Guided:

a) UG: b) PG:

5.5. Research Interests: Signal Processing (Image and Speech), Neural Networks, A.I, Machine Learning and Deep Learning

5.6. Ph.D students :

a) Enrolled:

b) Submitted:

c) Awarded:

5.7. Papers published in reviewed journals/Book Chapters:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISS N No.	DOI	Indexing
1	Emotion Classification from Facial Images and Videos Using a Convolutional Neural Network	International Journal of Advanced Trends in Computer Science and Engineering Volume 11, No.1, January – February 2022,8-13	--	https://doi.org/10.30534/ijatcse/2022/031112022	Scopus, ugc care, google scholar
2	Implementing and Evaluation of Synthesis System for Building Indian Accent Text-to-Speech voice model	International Journal of Multidisciplinary Educational Research	2277-7881	DOI: http://ijmer.in/doi/2021/10.11.109	Ugc care
3	Building of Synthesis voice models in Local Language Telugu and Indian Accent English	POSITIF JOURNAL	0048-4911	DOI.ORG/10.37896/PSJ	Scopus, ugc care, Google Scholar
4	Emotion Recognition from Speech Biometric System Using Machine Learning Algorithms	In Advances in Communications, Signal Processing, and VLSI. Lecture Notes in Electrical Engineering, vol 722. Springer	--	https://doi.org/10.1007/978-981-33-4058-9_6	Springer
5	Emotion Recognition from Facial Biometric System Using Deep Convolution Neural Network (D-CNN).	In Advances in Systems Engineering. Lecture Notes in Mechanical Engineering. Springer	--	https://doi.org/10.1007/978-981-15-8025-3_37	Springer
6	A NOVEL APPROACH FOR FPGA CHIP	Indian J.Sci.Res. 17(2): 375 -	0976-2876	--	--

IDENTIFICATION GENERATOR USING CONFIGURABLE RING OSCILLATORS	379, 2018			
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5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Real-Time Emotional analysis from a live webcam using deep learning	IEEE 2022 INTERNATIONAL CONFERENCE OF EMERGING TECHNOLOGIES (INCET), Belagavi, Karnataka, India,	International	May 27th - 29th 2022 (Published in IEEE Xplore)
2	The sentiment analysis of human behavior on products and organizations using K-Means Clustering and SVM classifier	IEEE 2022 3rd International Conference on Intelligent Engineering and Management (ICIEM)	International	27th - 29th April 2022 (Published in IEEE Xplore)
3	Face Recognition using Deep Learning (CNN)	All India Seminar on Cyber Security and Image Processing at IEI (Institute of Engineers in India)	National	August 10- 11, 2019.

5.9. Sponsored research Projects:

5.10 Consultancy Projects:

6. Awards / Honors received:

- Qualified **NTA UGC-NET** –January, 2019
- Qualified in Osmania University **Ph.D. Eligibility Test** – 2016
- Got Certificate of Excellence in 3rd Gyan Nidhi Scholarship (GNS-2012) Program, Conducted by CMC ACADEMY (A Subsidiary of TCS Limited) on September, 2012.
- Completed **NPTEL Course** on “Fuzzy Logic and Neural Network” Conducted by IIT Kharagpur