

Chaitanya Bharathi Institute of Technology

Dept. of ECE, Information about Ph. D Scholars

A) List of Scholars got Awarded Ph.D degree under the supervisorship of our dept. Faculty

S.no	Name of the Scholar	Name of the Supervisor	Title of the thesis	University	Year of award
1	Smt. J. Mounika 701946	Dr. K. Sai Krishna	Design of an Ultra-light Weight Cryptographic Algorithm for Heterogeneous Environment in Internet of Things	NIT Warangal	December, 2023
2	Smt..Kalyani Wagh Reg.No:2016792102	Dr.K.Vasanth	Emotion Detection on EEG signal using Machine Learning Technique	Satyabhama Institute of Science and Technology, Chennai	September 2023
3	Smt. V. Elanangai Reg.No:2016792121	Dr.K.Vasanth	Methods for Detection of SS plate Surface Flaws and Character Recognition Using Thermal Images	Satyabhama Institute of Science and Technology, Chennai	September 2023
4	Sri. G. V. Pradeep Kumar Reg. No:PHD44242	Dr. D. Krishna Reddy	Performance Analysis of Defense Mechanism Based on Threat and Attack Model in Wireless Networks	OU Hyderabad	July 2023
5	Smt. B. Indhira Priyadharsini Reg. No:PHD44180	Dr. D. Krishna Reddy	Analysis and Classification of EEG Signals for Detecting Seizure on FPGA	OU Hyderabad	June 2023
6	Mr. D.S. RAJU YELLAMPALL PP.ECE. 0011	Dr. D. Krishna Reddy	Investigation of Segmentation Techniques Suitable for Natural Images	Rayalaseema University, Kurnool	June 2023
7	Kumar Swamy K Reg. No:PHD44146	Dr.N.V.Koteswara Rao	Shared Aperture Antennas for Multifunction Applications	OU Hyderabad	June 2023
8	Mr.Rajeshwar Goud Jangapally 14022P0454	Dr.N.V.Koteswara Rao	Design and Analysis of Multiband Antennas and Antenna Array for mobile Applications	JNTU Kakinada	April 2023
9	Sri Lakshmi A 0603PH0860	Dr.N.V.Koteswara Rao	Micro Strip Antenna Arrays and EBG Ground Structured Antennas for Wide Band Applications	JNTU Hyderabad	February, 2023
10	Devireddy Kavitha 100520174030	Dr. A.D Sarma	Investigation and Analysis of Ionospheric Time Delay of NaviC Signals in the context of Navigation Applications	OU Hyderabad	October, 2022
11	Mr. M. Rajendra Prasad Reg. No:PHD43043	Dr. D. Krishna Reddy	Performance Analysis of Security Algorithms in IoT Network	OU Hyderabad	May 2022

12	Mr. D.Venu Reg. No:PHD43013	Dr.N.V.Koteswara Rao	Studies on Aerial Target Detection based on Broadcast Signals in Passive Radar	OU Hyderabad	April 2022
13	Ms. P. Hema Sree	Dr. K. Subba Rao	Pose, Illumination and Blur Invariant Face Recognition using Machine Learning Algorithms	OU, Hyderabad	January, 2022
14	Mr.K. Sudharshan Reddy 01-09-1408-PP	Dr. D. Krishna Reddy	Performance analysis of RNP parameters of GPS and its augmentation systems	OU Hyderabad	December 2021
15	Sri. P. Sathish Reg. No: 01121432PP P.hD. 42478	Dr. D. Krishna Reddy	Performance Evaluation of NavIC and Characterization of Doppler Collision	OU Hyderabad	August 2020
16	Sri. M. Shyam Sunder	Dr. K. Subba Rao	Estimation& Classification of Intra modulation parameters for LPI Radar	OU Hyderabad	June 2020
17	Sri B. Prabhakar Reg.No:0903PH0860	Dr. D.Krishna Reddy	Development of Computationally Efficient Block Matching Motion Estimation Algorithms for Video Coding in Wireless Communication	JNTU Hyderabad	August 2019
18	Sri.K. Ravi Chandra	Dr. A.D Sarma	Analysis of Dual Frequency GPS and Integrated LRF Data for Identification of Ionospheric Range Delay Gradients for GAGAN Applications	OU Hyderabad	July 2019
19	Sri.K.V.Murali Mohan Reg No. PP ECE 012	Dr. D. Krishna Reddy	Investigation of Interference Suppression Techniques for CDMA & MC-CDMA Systems	Rayalaseema University, Kurnool	June 2019
20	Sri. D.M.K Chaitanya	Dr.N.V.Koteswara Rao	Reconfigurable Micro strip Antennas for Cognitive Radio Application	JNTUH	September 2018
21	Smt. T. R. Vijaya Lakshmi	Dr.P.Narahari Sastry	Pattern model for recognition of subset of Telugu characters palm leaf scribing	JNTUH	June 2018
22	Smt. N. Swetha	Dr.P. NarahariSastry	Performance analysis of entropy based spectrum sensing in Ray Leigh Fading for Cognitive radio networks	JNTUH	May 2018
23	Yerram Srinivas	Dr.N.V.Koteswara Rao	Reconfigurable and Adaptive Antennas for Wireless Communication	JNTUH	April 2018
24	Sri M Kasi Prasad	Dr.P.Narahari Sastry	Analysis and identification of emotions and accents of Telugu speech	K.L University Vijayawada	September 2017
25	Smt. A. Supraja Reddy	Dr.A.D Sarma	Investigation of the Ionospheric Time Delay Gradients on Indian GBAS FOR Precision Approach and Landing of Aircraft	JNTU, Kakinada	April 2017
26	Sri K.C.T Swamy	Dr.A.D Sarma	Time Delay Analysis and Scintillation Forecasting for Improving Accuracy of GNSS	JNTU Hyderabad	February 2016
27	Sri. Arun Kumar Singh	Dr.K. SubbaRao	'Real Time Identification of Intrapulse Modulation of Radar Signals by Time Frequency Analysis'	OU Hyderabad	December 2014

28	Sri P. Naveen Kumar	Dr.A.D. Sarma	Investigation and Analysis of Time Delay Effects using GAGAN and YOUTHSAT Data for Civil Navigation Applications	OU Hyderabad	October 2014
29	Sri V. Satya Srinivas	Dr.A.D. Sarma	Investigation of Time Delay and Satellite Geometry Effects for Improving the Real Time Performance of SBAS and GBAS	JNTU Hyderabad	August 2014

B) List of Ph. D scholars Submitted thesis under the supervisorship of our dept. faculty

S.no	Name of the Scholar	Name of the Supervisor	Title of the thesis	University	Year of Submission of thesis
1.	Smt. Jhansi Rani R	Dr.K.Vasanth	Studies on efficient techniques for enhancing Latent Finger print Recognition systems	Satyabhama Institute of Science and Technology	December 2023
2.	Smt. R.Bhavani	Dr.K.Vasanth	Studies on Brain Tumor Classification Using Learning Techniques in Medical Images	Satyabhama Institute of Science and Technology	October 2023
3.	Mr. T. Sridher	Dr. A.D Sarma	Performance Evaluation of SOP and IRNSS signals based Indoor Location Algorithms	OU, Hyderabad	September, 2023
4.	Ms.B.Neeraja	Dr.N.V.Koteswara Rao	Improving the Spectral resolution of multiple targets in low SNR conditions.	OU Hyderabad	September, 2023
5.	Mr. Devdas Kuna	Dr. A.D Sarma	Investigation of Positional Performance using NaviIC-GPS-Galileo signals and Android based Smartphones for Civilian Navigation Applications.	OU, Hyderabad	September, 2023
6.	Smt. D. Sony	Dr. D. Krishna Reddy	Investigation and Navigation Integrity Enhancement of NaviIC using RAIM for Aviation	OU Hyderabad	August, 2023
7.	Ms. K. Praveena	Dr. D. Krishna Reddy	Investigation of Indian Regional Effects on the Performance of GRSNS Augmentation Systems for Civilian Navigation Applications	OU Hyderabad	August, 2023
8.	Mr. Lenin Naragani	Dr.N.V.Koteswara Rao	Multiband Antennas for Mobile Communication	OU Hyderabad	March, 2022

C) List of Ph.D Scholars Pursuing under the supervisorship of our dept. Faculty

S.no	Name of the Scholar	Name of the Supervisor	Title of the thesis	University	Year of Registration
------	---------------------	------------------------	---------------------	------------	----------------------

1.	Mr.Mohammad Abdul Nasar	Dr.B.Khaleelu Rehman	Performance Analysis for the Least Mean Mixed Norm Algorithm with a Leaky Factor	Lincoln University, Malaysia	November 2022
2.	Mr. Biroju Papa Chary	Dr. Bhasker Dappuri	Resource allocation in D2D underlay cellular network	NIT,Patna	March, 2022
3.	Mr. Narmala Raju	Dr. D. Krishna Reddy	Design of UWB Micro Strip Antenna for Satellite & Radar Communication using Wilkinson Power Divider Method	OU Hyderabad	Sept 2018
4.	Mr. A.Gopal	Dr. D. Krishna Reddy	Development of PAPR Reduction Techniques for Orthogonal Time Frequency Space Modulation Signals	OU Hyderabad	Sept 2018
5.	Mr.N Siva Kumar	Dr.N.V.Koteswara Rao	Computational EM	OU Hyderabad	Sep 2018
6.	Mr. B. Srikanth	Dr.N.V.Koteswara Rao	Micro strip Antennas	OU Hyderabad	Sep 2018
7.	Mr. R. Narendra Reddy	Dr.N.V.Koteswara Rao	Microwave Antennas	OU Hyderabad	Sep 2018
8.	Smt. D. Sunitha	Dr. P Narahari Sastry	Probabilistic Approach for Speech Ineligibility Improvement and Noise Reduction	OU Hyderabad	Sep 2018
9.	Mr. Ch. Rajesh kumar	Dr. P Narahari Sastry	Bio Medical Signal Processing	OU Hyderabad	Sep 2018
10.	Smt. Boda Aruna	Dr. K. Subba Rao	Multimodal biometrics for human identification	OU Hyderabad	Sep 2018
11.	Mr. R. P. Naraih	Dr. A.D Sarma	Investigation of Performance of IRNSS for Static and Kinematic Applications for Civilian Navigation Applications.	OU, Hyderabad	Sep 2018
12.	Mr. B. Shekar	Dr. P Narahari Sastry	Analysis and detection of plant leaf diseases.	OU Hyderabad	Aug 2018
13.	Mr. A. Raghuvardhan Babu	Dr. P Narahari Sastry	Unsupervised pattern matching algorithm for texture fault analysis and detection	OU Hyderabad	Aug 2018
14.	Mr. G. Suresh Kumar	Dr. D. Krishna Reddy	Performance Evaluation of IRNSS with GNSS Using Various Parameters for Civilian Applications	OU Hyderabad	July 2018
15.	Mr.B.Upender Rao	Dr.N.V.Koteswara Rao	Fractal antenna for cognitive radio	OU Hyderabad	February 2018
16.	Mr.Ganji Annapurna	Dr. P Narahari Sastry	FPGA implementation of DA-IDWT based image compression for 3D image	OU Hyderabad	June 2017
17.	Mr. T. Sanjeeva Kumar	Dr. P Narahari Sastry	Moment feature based fast feature extraction algorithm for moving object detection using aerial image	OU Hyderabad	June 2017
18.	Ms.N. Phani Bindhu	Dr. P Narahari Sastry	Multiple techniques to two level dose for PET and MRI image estimation	OU Hyderabad	June 2017

19.	Mr.P. Satyanaraya Goud	Dr. P Narahari Sastry	VLSI Implementation and analysis of febel ECG signals from compressed ECG recordings	OU Hyderabad	June 2017
20.	Ms. Polepalli Jyothi	Dr. D. Krishna Reddy	Technologies for 4G Mobile Communications	OU Hyderabad	April 2017
21.	Mr. Dggu Lingamaiah	Dr. D. Krishna Reddy	Performance improvisation for Longevity maximization with ant Colony Optimization with ant colony optimization in wireless sensor network	OU Hyderabad	April 2017
22.	Mr. M. Sathish Kumar	Dr. D. Krishna Reddy	Image Segmentation in Digital image processing	OU Hyderabad	April 2017
23.	Mr. G.Parameshawar	Dr.N.V.Koteswara Rao	A new rebroadcast protocol for mobile adhoc networks	OU Hyderabad	April 2017
24.	Mr.N. Mallaiah	Dr.N.V.Koteswara Rao	Adoptive digital beam forming algorithms and analysis in smart antennas	OU Hyderabad	April 2017
25.	Mr. K Ram Mohan Rao	Dr.N.V.Koteswara Rao	Peak to average power ration reduction in OFDM systems	OU Hyderabad	April 2017
26.	Mr. N. Santhosh	Dr. A.D Sarma	Investigation of Interoperability of IRNSS with other GNSS under various conditions for future Civilian Navigation Applications	OU, Hyderabad	April 2017
27.	Ms. Bharathi	Dr. A. V Narasimha Rao	Face Recognition using Image Processing for Authentication	JNTUH	June 2015
28.	Mr. T Narasimha Murthy	Dr. A. V Narasimha Rao	Reconfigurable Antenna design for multiple frequencies	JNTUK	July 2014
29.	Smt. C. Silpa	Dr.A.Vani	BER Performance in MIMO OFDM using channel coding techniques	JNTU A	April 2014
30.	Smt K.S.R.S Jyothsna	Co guide Dr. A.D Sarma	Estimation and mitigation of multipath error in IRNSS for both terrestrial and marine applications	JNTUK	November 2013
31.	Mr. Guru Murthy	Dr. K. Subba Rao	Modelling and analysis of Sea Clutter	OU Hyderabad	February 2013
32.	Mr. R. Bharat	Dr. K. Subba Rao	Development of Dither Removal Techniques in RLGs	OU Hyderabad	February 2013
33.	Mr. M. Deva Raju	Dr. A. V Narasimha Rao	Data aggregation and compression in wireless sensor Networks	JNTUH	August 2012
34.	Mr. M. V Bala Subrahmanyam	Dr. A. V Narasimha Rao	Effective re-utilization of cell phone Radiation	JNTUH	August 2012
35.	Mr. M. Ramanjaneyulu	Dr. A. V Narasimha Rao	High speed color image compression and Restoration using a Novel approach	JNTUH	August 2012
36.	Ms.M.Sunitha	Dr. D. Krishna Reddy	Development of Spectral efficiency enhancement techniques for OFDM based wireless system	JNTU Hyderabad	February 2012

37.	Smt.Sindhu Divakaran	Dr.K.Vasanth	Disease Identification in Dental Images Using Image Processing	Satyabhama Institute of Science and Technology	January 2016
38.	Smt J Sridevi	Dr.K.Vasanth	Studies on Impulse noise Removal in Hyperspectral Images	K.L.University	June 2019
39.	Mr.Patil Pradeep Manikrao	Dr.K.Vasanth	Iris Identification Using Image Processing Techniques	Satyabhama Institute of Science and Technology	January 2023
40.	Mr.K.K.Gopi Krishna	Dr.K.Vasanth	Studies on fast propagation techniques in optical communication	Satyabhama Institute of Science and Technology	January 2023
41.	Mr. Abhishek Reddy	Dr.M.Sushanth Babu	Interference Reduction and data Enhancement with Beamforming in 5G networks	Annamalai University	April 2022
42.	Mr. U.Kiran	Dr.M.Sushanth Babu	Relay Based Optimization of Energy Consumption in Multi-hop Cooperative Vehicular Networks	LPU	September 2018
43.	Mr. Kapil Jain	Prof.Vivek Singh Kushwah	Design, Development and Optimization of Patch Antenna for Sub-6 Frequency Band Application	Amity University Madhya Pradesh	August 2019
44.	Ms Namrata choubey	Prof.Vivek Singh Kushwah	Performance Enhancement of Wireless Network Using Machine Learning	Amity University Madhya Pradesh	February 2020
45.	Mr. Ananad Sant	Prof.Vivek Singh Kushwah	Design, Simulation and Analysis of MIMO Antennas for 5G and mm-wave Applications	Amity University Madhya Pradesh	February 2021
46.	Mr. Sandeep Kumar Agrawal	Prof.Vivek Singh Kushwah	High Resolution & Multiclass Image Syntesis with Generative Adversarial Networks	Amity University Madhya Pradesh	September 2020

D) List of our faculty got awarded Ph.D degree in the last Four years (2019-2023)

S.no	Name of the Faculty	Name of the Supervisor	Title of the thesis	University	Year of Completion
1	Smt. J. Mounika	Dr. K. Sai Krishna	Design of an Ultra-light Weight Cryptographic Algorithm for Heterogeneous Environment in Internet of Things	NIT Warangal	December, 2023
2	Sri. G.Mallikharjuna Rao	Dr. K. Deergha Rao	Performance Analysis of Approaches for Secure Information	Osmania University	Aug 2023
3	Smt. N. Dhana Lakshmi	Dr. M.Satya Sai Ram	Effective utilization of Optimization Techniques in configuring Artificial Neural Network for Speaker Recognition	ANU, Guntur	Aug 2023
4	Sri. G. V. Pradeep Kumar	Dr. D. Krishna Reddy	Performance Analysis of Defense Mechanism Based on Threat and Attack Model in Wireless Networks	OU Hyderabad	July 2023

5	Sri. T. Aravinda Babu	Dr. K. Deergha Rao	Performance Analysis of coded Massive MIMO OFDM Communication System	OU, Hyd	May 2023
6	Ms. M.V. Sireesha	Dr. P.V. Naganjaneyulu	A Robust Hyspectral unmixing algorithms for various image processing Applications	JNTUK	Dec 2022
7	Smt.D. Naga Devi	Dr. K. Naga Prakash Dr. B. T. Krishna	New Feature Descriptor for Content Based Medical Image Retrieval and Classification	JNTUK	Dec 2022
8	Smt. Ch. Navitha	Dr.K.Ashoka Reddy Dr.K.Sivani	Development and Implementation of Efficient W- CDMA RAKE Receiver for spread spectrum-based Channel Tracking	JNTU H	January 2022
9	Mr.K. Sudharshan Reddy	Dr. D. Krishna Reddy	Performance analysis of RNP parameters of GPS and its augmentation systems	OU Hyderabad	December 2021
10	Mr. Suraj Prakash Saho	Dr. Samit Ari	Human Action Recognition Based on Analysis of Video Sequences	NIT Rourkela, India	June 2021
11	Mr. Chintaiyah Nannepaga	Prof. G. Umamaheswara Reddy	Power Optimization and Implementation of Transition Reduction Data Encoding Schemes for VLSI Interconnects	SVU Tirupati	March 2021
12	Mr. P. Sathish	Dr. D. Krishna Reddy	Performance Evaluation of NavIC and Characterization of Doppler Collision	OU Hyderabad	August 2020
13	Mr. M.Ramana Reddy	Dr. P. Chandra Sekhar	Design and analysis of CMOS LNA topologies in receiver front end for 4G WiMAX Systems	JNTU K	October 2019

E) List of faculty Submitted Ph. D thesis

S.no	Name of the Faculty	Name of the Supervisor	Title of the thesis	University	Year of submission
1.	Md. Ziauddin Jahangir	Dr. P. Chandra Sekhar	High Resolution and Low Jitter Full Custom ADPLL Architectures for Frequency Synthesizer IP	OU, Hyderabad	September, 2023
2.	Mr. T. Sridher	Dr. A.D Sarma	Performance Evaluation of SOP and IRNSS signals based Indoor Location Algorithms	OU, Hyderabad	September, 2023
3.	Ms.B.Neeraja	Dr.N.V.Koteswara Rao	Improving the Spectral resolution of multiple targets in low SNR conditions.	OU Hyderabad	September, 2023
4.	Smt. D. Sony	Dr. D. Krishna Reddy	Investigation and Navigation Integrity Enhancement of NaviIC using RAIM for Aviation	OU Hyderabad	August, 2023

F) List of our department Faculty pursuing Ph. D degree

S.no	Name of the Faculty	Name of the Supervisor	Research Topic	University	Year of Registration
1.	Sri M.V.Nagabhushanam	Dr.T.S.N.Murthy	Communication and Navigation	JNTUK	Apr 2022

2.	Sri A. Krishna Kumar	Dr. P. Praveen	Medical Image Processing using VLSI implementation	KLU, Hyderabad	June 2020
3.	Smt. A. Satyavati	Dr. K. Rama Devi	Communications and Signal Processing	JNTUK	Feb 2019
4.	Sri. P. Chandra Sekhar	Dr. T.S.N. Murthy	Communication and Signal processing	JNTUK	Feb 2019
5.	Sri. E. Chandra Sekhar	Dr K. Ramanjaneyulu	Data converters for SDR	JNTUK	Feb 2019
6.	Sri. P. Ranjith	Dr. T. Kishore Kumar	Signal Processing for Healthcare Applications	NIT, Warangal	Aug 2023
7.	Smt. K. S. R. S. Jyothsna	Dr. K. Padma Raju	Estimation and mitigation of multipath error in IRNSS for both terrestrial and marine applications	JNTUK	Nov, 2013

G) Ph. D Scholars Statistics under the supervision of our Dept. Faculty

S.no	Name of the Supervisor	Month and Year of allotment of Supervisor ship (OU, JNTU, NITW, NITP, KLU, VTU, LPU, SBU, AU, Amity University and LU)	Ph.D Scholars		
			Pursuing	Thesis Submitted	Awarded
1	Dr. N. V. Koteswara Rao	July, 2010	7	02	6
2	Dr. D. Krishna Reddy	July, 2010	7	02	8
3	Dr. K. Subba Rao	March, 2013	3	--	3
4	Dr. A. D. Sarma	November, 2013	3	02	6
5	Dr. C. V. Narasimhulu	November, 2014	--	--	--
6	Dr. A. V. Narasimha Rao	July, 2014	5	--	--
7	Dr. P. Narahari Sastry	July, 2012	8	--	3
8	Dr. K. Sai Krishna	December 2019	--	--	01
9	Dr. A. Vani	November, 2014	1	--	--
10	Dr.A.Supraja Reddy	November, 2021	--	--	--
11	Dr.K. Suman	November, 2021	--	--	--

12	Dr. B.Khaleelu Rehman	November, 2022	1	--	--
13	Dr. Bhasker Dappuri	March, 2022	1	--	--
14	Dr. K. Vasanth	December, 2014	4	02	02
15	Dr.M. Sushanth Babu	September 2017	2	--	--
16	Prof.Vivek Singh Kushwah	June 2016	4	--	--
Total			46	08	29