

PG DISSERTATIONS

S.No	Project Title	Name of the student	Year
1.	Energy efficient Multi Precision floating point Processing Element for converged AI and HPC Workloads	Harshavardhan Earavathri	2025
2.	Feature Fused Mamba Adaptive Attention Network for Remote Sensing Image Super Resolution	Shaik Ruhi Thabassum	2025
3.	Light weight 3d lattice network in Wavelet domain for hyperspectral image super-resolution	Nerella Venkata Sai Sruthi	2025
4.	Optimizing Turnaround Time for Timing generation: Scalable Delay Modeling & Matrix Reconstruction using machine learning	P M R Sai Subash Kumar	2025
5.	Compact Structured and Light Weight 3D lattice Network for Hyperspectral Image Super Resolution	Nerella Venkata Sai Sruthi	2024
6.	Lightweight residual Spatio-Spect Attention network for Spectral Resolution using Blueprint Convolution	P M R Sai Subash Kumar	2024
7.	Image Super Resolution using Extensive Residual Network (ERN) for Orange Fruit Disease Detection	Kunal Vijay Thool	2024
8.	Tuberculosis Disease Diagnosis using Controlled Super Resolution	Kunal Vijay Thool	2024
9.	Assisted Super Resolution Based Sunflower Leaf Disease Detection (ASR-SLDD)	Chegrik Cheerian B Marak	2024
10.	Layer Feature Visual Super Resolution Network (LFVSRN) for Lung Cancer detection	Chegrik Cheerian B Marak	2024
11.	Design of ARM system Memory management unit (SMMU) for memory virtualization	Kavuluri Mohana Nagavenkata Srikanth	2024
12.	Efficient Hardware Implementation of Long Short Term Memory (LSTM) Network for Heart Rate Prediction	Kavuluri Mohana Nagavenkata Srikanth	2024
13.	Super Resolution based on Broad Deep Residual Network (BDRN) for detecting Potato leaf disease	Rachit Khandelwel	2023
14.	Sovereign critique network based super-Resolution for chest x-ray images	Raavi Ravi Teja	2023
15.	Deep learning based separable Factorized convolution network for Landslide detection	Pottabathina Siva	2023

16.	Two-fold extended residual network based super resolution for Potato leaf disease detection	Rachit Khandelwel	2022
17.	Image inpainting using Deep UNET	Raavi Ravi Teja	2022
18.	Deep learning based separable factorized convolution network for landslide detection	Pottabathina Siva	2022
19.	Eutra Radio Resource Control (ERRC) Measurement and Detection of Calibration Failures	Sandeep Kaushik	2022
20.	Detection of Calibration Failures and Automate with CR Systems	Orunganti Manideep	2022
21.	Optimized Implementation of Display Sub System for better performance	G Viswanath Chaitanya	2022
22.	CNN based Tomato leaf disease detection	Sandeep Kaushik	2021
23.	Wavelet based single image super resolution convolutional neural network (WBSISR-CNN) for potato leaf disease detection	G Viswanath Chaitanya	2021
24.	Image Deraining using balanced multiwavelet transform and GAN	Orunganti Manideep	2021
25.	Detection and Classification Of Lung Nodules Phase II	Harry P R	2021
26.	Functional Verification Of LSRAM Block Of G5/G6 Family Of Devices Phase II	Mohammad Belal Akbar	2021
27.	Detection And Classification Of Lung Nodules Phase I	Harry P R	2020
28.	Hardware Accelerator Design For Recurrant Neural Network On FPGA	Mohammad Belal Akbar	2020
29.	Improved Lung Segmentation Using Deep Learning Techniques	Adarsh R	2020
30.	Single Image Dehazing Using Multi Path Networks Based On U-Net Phase II	Thota Sasirekha	2020
31.	Dense Residual Path Convolutional Auto Encoder Fo Retinal Blood Vessels Segmentation	Adarsh R	2019
32.	Single Image Dehazing Using Densely Connected Convolutional Auto Encoder	Thota Sasirekha	2019
33.	Image Dehazing Using Convolutional Neural Networks	Torlikonda Venkat Rao	2019
34.	Real Time FPGA Implementation of 802.11n Based Full Duplex Trans-Receiver System	Bobbili Vinitha	2019
35.	Single Depth Image Superresolution Using Edge Assisted Depth Interpolation	Anuchand S S	2018
36.	Real Time FPGA Implementation of 802.11n Based Full Duplex Trans- Receiver System	Bobbili Vinitha	2018

37.	Image Super Resolution Using Convolution Neural Networks	Torlikonda Venkat Rao	2018
38.	Augmented Lagrange Multiplier Based Matrix Completion Approach for Image Inpainting	Thota Venkatrao	2017
39.	Salt And Pepper Noise Removal In Depth Image Using Depth Image Inpainting	Anuchand S S	2017
40.	Spread Method With Bi-Histogram Equalisation for Contrast Enhancement	Thota Venkatrao	2016
41.	Balanced GHM Multiwavelet Transform Based Contrast Enhancement for Dark Images Using Dynamic Stochastic Resonance	Gireesh Kumar S	2016
42.	Complex Daubechies Wavelet Transform Based Contrast Enhancement of Dark Images Using Dynamic Stochastic Resonance	Gireesh Kumar S	2015
43.	Document Image Classification Using Support Vector Machines	Rajasekharreddy Poreddy	2013
44.	Document Image Classification Using Support Vector Machine	Rajasekharreddy Poreddy	2012
45.	Document Image Classification Based on Graphical Features and Information Extraction From Form Document Image	Souvik Malakar	2012
46.	A Novel Method to Construct a Spurious Straight Line Free Document Image	Souvik Malakar	2011
47.	Age and Gender Estimation From Audio Features Using Discriminant Analysis and NN Framework	Pujari Sujay Girish	2011
48.	Lesion Detection and Classification of Mammogram Based on Adaptive Threshold and Discriminant Analysis	Pujari Sujay Girish	2010
49.	Analysis of Mammogram Using Log Gabor Wavelet Statistical Features	Sunil Sriramoju	2010
50.	Phase Noise Cancellation in OFDM Using MMSPE Algorithm	Sunil Sriramoju	2009
51.	Analysis of Texture Classification	M Ashok	2008
52.	Texture Analysis Using Radon Transform and Fourier Transform	M Ashok	2007