

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Major Project

Batch	Students	Project Guide	Title of Project
A1	20761A0449	Dr.P.Lachi Reddy	Sensor based home automation system for autonomous control
	20761A0450		
	20761A0403		
	20761A0451		
A2	20761A0401	Dr.M.V.Sudhakar	Development of photonic radar for autonomous car applications
	20761A0405		
	20761A0459		
A3	20761A0455	Dr.P.Rakesh Kumar	Design and Analysis Of Compact Multiband-Millimeter Wave Patch Antenna
	20765A0401		
	20761A0420		
A4	20761A0454	Dr.B.Siva Hari Prasad	Design of dual notch band characteristics of antenna using cst software
	20761A0439		
	20761A0448		
A5	20761A0406	Mr.V.V.Rama Krishna	Developing a LabVIEW Tool for Enhanced Heart Sound Analysis through Lung Sound Separation
	20761A0434		
	20761A0411		
A6	20761A0428	Ms.K.Rani Rudrama	Design and analysis of Circular Petal Flower Shaped Microstrip Patch antenna for WLAN/WIMAX ISM
	20761A0404		
	20761A0447		
A7	20761A0443	Mr.T.Anil Raju	Brain Tumor Segmentation Using U-Net Architecture and Dice Coefficient
	20761A0417		
	20761A0452		
A8	20761A0464	Mr.M.K.Lingamurthy	Human Boneage Assessment
	20761A0416		
	20761A0415		
A9	20761A0441	Dr.V.Ravisekhara Reddy	Smart Glove
	20765A0403		
	20761A0461		
A10	20761A0426	Ms.B.Rajeswari	Enhanced Semantic segmentation on ADE20K Data set using Deep Learning
	20761A0412		
	20761A0427		
A11	20761A0460	Mr.K.SasiBhushan	Design of smart unstaffed retail checkout with an AI-Powered automated billing system
	20761A0446		
	20761A0419		
A12	20765A0405	Ms.T.Kalpana	A Hybrid Spiking Convolutional Neural Network For Brain Tumor Classification
	20761A0442		
	20761A0457		



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L.B.Reddy Nagar, Mylavaram-521230, NTR Dist, Andhra Pradesh, India

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Batch	Students	Project Guide	Title of Project
B1	20761A0488	Mr.K.V.Ashok	Automated kidney stone detection in abdominal CT scans images using MATLAB.
	20761A04B6		
	20761A0467		
B2	20761A04C4	Dr.B.Y.V.N.R.Swamy	IOT based smart cradle system
	20761A0472		
	20761A04B7		
B3	20761A04A4	Dr.P.Rakesh Kumar	A compact basketball Court shaped reconfigurable patch antenna for wireless application
	20765A0481		
	20761A04B0		
B4	20761A04C3	Mr.P.James Vijay	Design and Analysis of Gain-Enhanced Patch Antenna Embedded with Periodic
	20765A0412		
	20765A0409		
B5	20761A04B2	Dr.A.Narendra Babu	Leaf disease detection and pesticide spraying control robot using raspberry pi
	20761A04A0		
	20761A0483		
B6	20761A04C0	Ms.K.Rani Rudrama	Design and analysis of Wideband antenna using a new MTM slot for Wi-Fi/WLAN/WIMAX ISM band
	20761A0465		
	20761A0495		
B7	20761A0471	Dr. P. Lachi Reddy	Implementation and Analysis of 6T SRAM Cell
	20761A0476		
	20761A04A3		
B8	20761A0499	Mr.M.K.Lingamurthy	Emotion detection using VGS model in deep learning
	20765A0411		
	20761A04B3		
B9	20761A0479	Mr.M.Sivasankara Rao	Design of wearable patch antenna for wireless for body area network
	20761A0493		
	20761A0485		
B10	20761A0474	Dr.P.Venkata Rao	An Energy Efficient Strategy For Recovering Missing Data In Wireless Sensor Networks
	20761A0473		
	20761A04A5		
B11	20761A0496	Smt.K.Pavani	Pragabot-AI Powered Healthcare Companion of Pregnancy
	20761A04A6		
	20761A0486		
B12	20761A04C6	Mr.P. Venkateswara Rao	Cyber security Enhancement through Kali Linux and Honeypot Integration
	20761A0477		
	20761A0475		
B13	20765A0408	Mr.Ch.Siva Rama Krishna	Design of a micro strip antenna wide band patch Circular using a
	20761A0491		
B14	20765A0494	Mr.K.V.Ashok	Smart water pumping for irrigation using wireless Internet of things
	20761A0489		



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Attendance Sheet Batch	Students	Project Guide	Title of Project
C1	20761A04D9	Dr.T.Satyanarayana	Modelling and Optimization of MEMS based Piezoresistive Biosensor
	20761A04I6		
	20761A04H6		
	20761A04H5		
C2	20761A04G0	Dr.B.Poornaiah	Design and implementation of synchronous 4-bit up counter using 45nm technology
	20761A04J1		
	21765A04I6		
C3	20761A04F0	Dr.B.Y.V.N.R.Swamy	Design of multiband mimo antenna for 5g applications
	20761A04F3		
	20761A04I8		
C4	20761A04I3	Dr.K.Ravi Kumar	Design of ultra low noise figure and high gain CMOS low noise amplifier
	20761A04F6		
	20761A04H2		
C5	20761A04F4	Mr.B.V.N.R.Siva Kumar	Network-enabled ID management system
	20761A04G4		
	21765A04I4		
C6	20761A04I9	Mr.T.Anil Raju	Lung cancer prediction
	20761A04G7		
	21765A04I5		
C7	20761A04G3	Mr.K.SasiBhushan	Kinetic anticipation advance gesture recognition through motion capture and flex sensor analysis
	20761A04I7		
	20761A04C9		
C8	20761A04E5	Dr.V.Ravisekhara Reddy	Design of miniaturized branch line coupler with harmonic suppression for wireless communication
	20761A04F5		
	20761A04I2		
C9	20761A04H0	Mr.M.Sivasankara Rao	Design of Low Power Sense Amplifier for enhanced memory performance
	20761A04F2		
	20761A04E4		
C10	20761A04F9	Ms.M.RamyaHarika	Design of Real - Time Adaptive Traffic Light Controller using FPGA
	20761A04F1		
	20761A04D6		
C11	20761A04G1	Mr.M.Sambasiva Reddy	IoT based real time poisonous gas detection and alerting using LPC2148 arm controller
	21765A04I3		
	20761A04E8		
C12	20761A04D4	Mr.P.Venkateswara Rao	Cloud based qr code security smart vehicle parking management system
	20761A04D3		
	21765A04I9		
C13	20761A04H3	Mr.Ch.Siva Rama Krishna	Multi band self grounding antenna for wireless technologies
	20761A04H8		
	20761A04E9		
C14	20761A04G8	Mr.P.James Vijay	NeuroMedAssist: An Intelligent Brain Tumor Classification System Using Deep Learning
	20761A04E0		
	20761A04I1		



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Batch	Students	Project Guide	Title of Project
HN1	20761A04A2	Dr.Y.Amar Babu	Design and Implementation of Software Defined Radio Using ZYNQ FPGA
	20761A0497		
	20761A04D0		
HN2	20761A04C8	Dr.P.Lachi Reddy	Sign-to-Speech Augmentation System
	20761A04G2		
	20761A0498		
HN3	20761A0407	Dr.G.Srinivasulu	Design of Spurious Inverter - Based Level Shifter Resolving Current Disagreement and Error Correction
	20761A04E1		
	20761A04H4		
HN4	20761A04C2	Dr.Y.Amar Babu	Design and Implementation of Air Quality Monitoring System using FPGA
	20761A04B4		
	21765A0420		
HN5	20761A0487	Mr.G.Venkata Rao	Optimization of Low-Power 8-bit Ripple Carry Adder using 9-Transistors Full Adder and explore
	20761A0490		
	21765A0418		
HN6	20761A04C7	Dr.G.Srinivasulu	Design of Hybrid Level Shifter with Limited-current-contention and Static-current-free operation for Ultra-Wide-Rangelevel conversions
	20761A0484		
	20761A04H7		
HN7	20761A0470	Ms.T.Kalpana	A Low Voltage 6T SRAM Cell Design and Analysis Using Cadence 90nm and 45nm CMOS Technology
	20761A04A8		
	20761A04D7		
HN8	20761A0468	Dr.M.V.Sudhakar	Implementation of Voltage Level-Up Shifter for SOC applications
	20761A0466		
	20761A04F7		
HN9	20761A0469	Mr.N.Dharmachari	Smart campus integration with arm and Iot technologies
	20761A04B9		
	20761A04G6		
HN10	20761A04B8	Mr.Ch.Mallikarjuna Rao	Design of power efficient approximate multiplier using enhanced adder compressors
	20761A04A1		
	21765A0402		
HN11	20761A04C5	Ms.K.Balavani	Enhanced PSO- Integrated Machine Learning for launch vehicle engine Temperature and Pressure Monitoring for Risk Prediction
	20761A0480		
	21765A0410		
HN12	20761A04B5	Mr.N.Dharmachari	Implementation of the VerilogHDL-based AES and RSA HybridAlgorithm on
	20761A0458		
	20761A0478		



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Batch	Students	Project Guide	Title of Project
MC1	20761A0430	Dr.A.Narendra Babu	Deep learning based cyclone intensity estimation using Insat3D IR Imagery
	20761A0418		
	20761A04E7		
MC2	21765A0406	Dr.E.V.Krishna Rao	Web-interfaced diagnosis system of diabetes prediction using machine learning algorithms.
	20761A04D2		
	20761A04E6		
MC3	21765A0404	Mr.B.V.N.R. Siva Kumar	College Management System
	20761A0482		
	20761A04C1		
MC4	20761A0422	Ms.B.Rajeswari	Real time object detection and instance segmentation using YOLOv7
	20761A04E2		
	20761A0414		
MC5	20761A04H9	Dr.P.Venkata Rao	IoT based Stress and Emotion Monitoring Using Machine Learning Techniques
	20761A04E3		
	20761A0445		
MC6	21765A0407	Mr.M.Sambasiva Reddy	Predicting Traffic Flow in Real Time Using Machine Learning
	20761A0444		
	20761A04I5		
MI1	20761A0436	Dr.B.Ramesh Reddy	Enhanced Electronic Voting Machine with Fingerprint Verification
	20761A0435		
	20761A0431		
MI2	20761A0462	Dr.B.Ramesh Reddy	Mobile hostel manager: Streamlining accommodation with Android
	20761A04D8		
	20761A04H1		



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Batch	Students	Project Guide	Title of Project
MI3	20761A04J0	Dr.G.L.N.Murthy	Lstm and cnn based speech emotion recognition
	20761A04F8		
	20761A04I0		
MI4	20761A0409	Dr.T.Satyanarayana	Modelling investigations on ultra-fastcapacitiveverf mems switch
	20761A0413		
	20761A0437		
MI5	20761A0425	Dr.B.Poornaiah	Efficient detection of lung diseases using different deep learning and machine learning algorithms
	20761A04G9		
	20761A04G5		
MI6	20761A04D5	Dr.B.Rambabu	Remote Asthma Patient HealthMonitoring System By UsingIoT Technology
	20761A0408		
	21765A0417		
MA1	20761A0463	Dr.E.V.Krishna Rao	Adaptive and Iterative Enhancement of DnCNN for versatile Image Denoising
	20761A0424		
	20761A0492		
	20761A0421		
MA2	20761A04D1	Dr.B.Rambabu	Develop and intelligent collision detection and autonomous breaking system for railways by using arm
	20761A0440		
	20761A0423		
MA3	20761A0402	Dr.G.L.N.Murthy	Epilepsy detection using transfer learning
	20761A0438		
	20761A0433		
MA4	20761A0410	Dr.K.Ravi Kumar	Sea Clutter Suppression using Neural Networks
	20761A0432		
	20761A0456		