



# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

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

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## B.Tech. VIII-SEM. Sec. A Project Batches with Titles

Batch	Students	Project Guide	Title of Project
A1	20765A0402	Dr.Y.Amar Babu	Design and Analysis of Area Efficient Adder and it's Layout using 90nm Technology
	19761A0449		
	19761A0440		
	18761A0462		
A2	19761A0418	Dr.E.V.Krishna Rao	Design and analysis of CMOs XOR gate and its layout in 90nm technology
	19761A0432		
	19761A0408		
	19761A0415		
A3	19761A0443	Dr.A.Narendra Babu	Coal mine safety using advanced iot monitoring robot
	20765A0406		
	19761A0446		
A4	19761A0436	Dr.Y.Amar Babu	Design And Analysis Of CMOS NAND gate and it's Layout using 90nm technology
	19761A0416		
	19761A0458		
A5	19761A0420	Dr.P.Lachi Reddy	Data Encryption using Pseudorandom generation
	20765A0404		
	19761A0407		
A6	19761A0437	Dr.G.Srinivasulu	Design of Energy-Efficient with wide voltage and frequency range femto Second delay Level Shifter
	19761A0404		
	19761A0411		
A7	19761A0453	Dr.B.Poornaiah	Automatic Weed detection and killing robot using Machine learning
	19761A0426		
	19761A0442		
A8	19761A0463	Dr.T.Satyanarayana	Development and testing of collar Helmet for bike riders
	20765A0401		
	19761A0424		
A9	19761A0419	Dr.P.Rakesh Kumar	Design and analysis of circularly polarized patch antenna
	19761A0417		
	19761A0414		
A10	19761A0438	Dr.K.Ravi Kumar	Optimizing design of rectangular microstrip antenna
	19761A0409		
	19761A0434		
A11	19761A0460	Dr.V.Ravi Sekhara Reddy	Design of wideband compact branch line balun with harmonic suppressions for wireless communication
	19761A0462		
	19761A0428		

<b>Batch</b>	<b>Students</b>	<b>Project Guide</b>	<b>Title of Project</b>
<b>A12</b>	19761A0444	<b>Dr.P.Venkata Rao</b>	Emotion Recognition Of Human From Speech Signal Using Deep Learning
	20765A0405		
	19761A0456		
<b>A13</b>	19761A0430	<b>Mr.B.V.N.R. Siva Kumar</b>	Automatic Hoovering and mopping Robot
	19761A0454		
	19761A0410		
<b>A14</b>	19761A0464	<b>Mrs.K.Rani Rudrama</b>	Design And Analysis Of UWB Antenna with Band Notch Characteristics by a New MTM Slot
	19761A0439		
	19761A0433		
<b>A15</b>	19761A0422	<b>Mr.K.Sasi Bhushan</b>	Glaucoma detection using convolution neural networks
	19761A0421		
	19761A0455		
<b>A16</b>	19761A0452	<b>Mr.T.AnilRaju</b>	Detection of breast cancer using data augmentation and transfer learning based on deep learning model
	19761A0459		
	19761A0457		
<b>A17</b>	19761A0401	<b>Mr.M.Siva Sankara Rao</b>	A Novel Hybrid Electronic Voting Machine using IOT
	19761A0431		
	19761A0429		
<b>A18</b>	19761A0425	<b>Mrs.M.Ramya Harika</b>	Design of medicine dispensing cabinets and alerting system
	19761A0406		
	19761A0445		
<b>A19</b>	19761A0402	<b>Mr. M. Sambasiva Reddy</b>	Water Quality Monitoring and Purification System
	19761A0447		
	19761A0441		
<b>A20</b>	19761A0461	<b>Mrs.T.Kalpana</b>	Deep learning based Intelligent driver monitoring and alerting system
	19761A0451		
	19761A0413		
<b>A21</b>	19761A0423	<b>Mr.Ch.Mallikharjuna Rao</b>	Design of VLSI Architecture for error tolerant image processing applications
	20765A0403		
	19761A0427		
<b>A22</b>	19761A0412	<b>Mr.N.Dharmachari</b>	Highly Compact device modelling and alerting system for remote patient monitoring
	19761A0448		
	19761A0403		
<b>A23</b>	19761A0450	<b>Mr.K.V.Ashok</b>	MRI Breast Tumor Segmentation Using Different Encoder and Decoder Using CNN Architecture
	19761A0435		
	19761A0405		

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## **B.Tech. VIII-SEM. Sec. B Project Batches with Titles**

Batch	Students	Project Guide	Title of Project
B1	19761A04B6	Dr.Y.Amar Babu	Design and Implementation of FPGA based Embedded Vision System
	20765A0412		
	19761A04A4		
	19761A0486		
B2	19761A04B9	Prof.B.Ramesh Reddy	Development of a News Detector using Machine Learning Approaches
	19761A04B0		
	20765A0408		
	19761A0470		
B3	19761A0483	Dr.A.Narendra Babu	IOT based Pesticide Spraying Robot
	19761A04A7		
	19761A04A8		
B4	19765A0408	Dr.M.Venkata Sudhakar	Implementation of Pre-Emphasis Driver for Improving the BER in VLC System.
	19761A04C8		
	20765A0409		
B5	19761A0488	Dr.P.Lachi Reddy	A High-Throughput VLSI Architecture Design of Canonical Huffman Encoder
	19761A04A3		
	19761A04C3		
B6	19761A04C1	Dr.G.L.N. Murthy	Weed Detection and Removal based on Image Processing
	19761A0468		
	19761A0475		
B7	19761A04C6	Dr.B.Poornaiah	Brain Disease Detection using Unsupervised Machine Learning
	20765A0411		
	19761A0471		
B8	19761A0485	Dr.B.Y.V.N.R. Swamy	A Metasurface Based Bandwidth Enhancement of Miniaturized Dielectric Resonator Antenna Design For Wireless Communications
	19761A04C2		
	19761A04C4		
B9	19761A0492	Dr.P.Rakesh Kumar	Design of Wideband Patch Antenna for Wireless Applications
	19761A04B7		
	19761A04B1		
B10	19761A04A0	Dr.B.Siva Hari Prasad	Design and Analysis of Multiband Antenna Using DGS for Wireless Applications
	19761A0481		
	19761A0467		
B11	19761A0496	Dr.V.Ravi Sekhara Reddy	Prediction of Bank Loan Approval using Mchine Learning
	19761A04A5		
	19761A0487		
B12	19761A0497	Mr.V.V.Rama Krishna	Mathematical Modelling and Simulation of Electric Vehicle using Matlab/Simulink
	19761A0469		
	19761A04A9		

<b>Batch</b>	<b>Students</b>	<b>Project Guide</b>	<b>Title of Project</b>
<b>B13</b>	19761A04C7	<b>Mr.B.V.N.R. Siva Kumar</b>	Efficient Classification of Autism in Childrens by Thermal Imaging using Deep Learning
	19761A04A2		
	19761A04A1		
<b>B14</b>	19761A0480	<b>Mr.G.Venkata Rao</b>	A Slew Rate Enhancement Class AB on Operational Transconductance Amplifier
	19761A0489		
	19761A0466		
<b>B15</b>	20765A0407	<b>Mr.K.Sasi Bhushan</b>	Retinal Image Restoration and Vessel Segmentation using Cycle-CBAM and CBAM-UNET
	19761A0477		
	19761A0494		
<b>B16</b>	19761A0499	<b>Mr.M.K.Lingamurthy</b>	EEG Signal Analysis And Classification
	19761A04B4		
	19761A0473		
<b>B17</b>	19761A04C0	<b>Mr.M.Sivasankara Rao</b>	Wireless Electronics for Soldier Security
	19761A04B5		
	19761A0484		
<b>B18</b>	19761A0474	<b>Mrs.M.V.L.Bhavani</b>	Detection of Copper ions by Adapting ISPR Technique on Plastic Optic Fibers
	19761A0482		
	20765A0410		
<b>B19</b>	19761A04B8	<b>Mr.K.V.Ashok</b>	Object Recognition and Tracking in Video
	19761A0476		
	19761A04B3		
<b>B20</b>	19761A04B2	<b>Mr.P.Venkateswara Rao</b>	IoT based Gas Leakage Monitoring System using FPGA
	19761A04C5		
	19761A0493		
<b>B21</b>	19761A0472	<b>Mr.Ch.MallikharjunaRao</b>	Design of Power Efficient Multiplier Architectures for Image Processing Applications.
	19761A0479		
	19761A0490		
<b>B22</b>	19761A0465	<b>Mr.P.James Vijay</b>	Development of IOT based Air Pollution Monitoring System with Enabled GSM Service
	19761A0478		
	19761A04C9		
<b>B23</b>	19761A0495	<b>Mr.N.Dharmachari</b>	Development of Smart Trash Bin Level Monitoring System using a LoRaWAN Module
	19761A04A6		
	19761A0491		

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## B.Tech. VIII-SEM. Sec. C Project Batches with Titles

Batch	Students	Project Guide	Title of Project
C1	19761A04G7	Dr.E.V. Krishna Rao	Detection Of Abandoned And Stolen Objects With Specifying Ghost Region
	19761A04H0		
	19761A04F7		
C2	19761A04D2	Prof.B.Ramesh Reddy	Design And Analysis Of EXNOR Gate Using 130nm Technology
	19761A04D9		
	20765A0414		
C3	19761A04H2	Dr.Y.S.V.Raman	Design And Analysis Of Transmission Gate Based NOR Gate And It's Layout Using 90nm Technology
	19761A04J2		
	20765A0417		
C4	19761A04J0	Dr.M.Venkata Sudhakar	Minimal Leakage And Compact Level Shifter Using MTCMOS, Super Cutoff And Transistor Stacking Technique For Very Low Dual Power Supply Applications
	19761A04E6		
	20765A0417		
C5	19761A04E1	Dr.G.Srinivasulu	Identification Of Parkinson's Disease By The Voice And Spiral Drawing Using Machine Learning
	19761A04D5		
	19761A04H4		
C6	19761A04I8	Dr.G.L.N.Murthy	A Deep Learning Based Framework For Image Dehazing
	20765A0416		
	19761A04F3		
C7	19761A04H7	Dr.T.Satyanarayana	Prediction On Heavy Vehicles Average Fuel Consumption Using Machine Learning Techniques
	19761A04G0		
	19761A04H6		
C8	19761A04D4	Dr.B.Y.V.N.R. Swamy	Design And Implementation Of Microstrip Patch Antenna By Using Hfss Software For Bio Medical Applications
	19761A04D6		
	19761A04G4		
C9	19761A04G5	Dr.K.Ravi Kumar	Analysis Of Statistical Estimators And Neural Network Approaches For Speech Enhancement
	19761A04F9		
	19761A04D0		
C10	19761A04D7	Dr.B.Siva Hari Prasad	Design And Characterization Of Wideband Antenna Using Dgs For 5g Applications
	19761A04F2		
	19761A04I1		
C11	19761A04I9	Dr.P.Venkata Rao	Fake Video Detection Using Neural Networks
	19761A04E3		
	20765A0418		
C12	19761A04H9	Mr.V.V.Rama Krishna	Iot Based Smart Safety Device With GPS Tracking And Alerts For Women And Children
	19761A04G8		
	19761A04I6		

<b>Batch</b>	<b>Students</b>	<b>Project Guide</b>	<b>Title of Project</b>
<b>C13</b>	19761A04E7	<b>Mrs.K.Rani Rudrama</b>	Improving The Accuracy In Prediction Of Heart Disease Using Machine Learning Techniques
	19761A04F1		
	19761A04D1		
<b>C14</b>	19761A04D3	<b>Mr.G.Venkata Rao</b>	Vidhyuth Samraksha Using GSM Module And IOT
	19761A04D8		
	19761A04H1		
<b>C15</b>	19761A04G2	<b>Mr.T.Anil Raju</b>	Ischemic Stroke Segmentation In Brain Perfusion Mri Using 3-D Convolution Neural Network
	19761A04J3		
	19761A04F0		
<b>C16</b>	19761A04I7	<b>Mr.M.K.Lingamurthy</b>	Covid And Lung Cancer Detection Using Image Processing Algorithms
	19761A04I4		
	19761A04E9		
<b>C17</b>	19761A04G9	<b>Mrs.B.Rajeswari</b>	Design And Analysis Of Full Adder Using 45nm Technology
	19761A04I2		
	19761A04H5		
<b>C18</b>	19761A04E4	<b>Mr.M.Sambasiva Reddy</b>	Arm7 Based Accident Detection And Vehicle Tracking
	19761A04E8		
	19761A04F8		
<b>C19</b>	19761A04G1	<b>Mrs.T.Kalpana</b>	Human Activity Recognition Using Convolutional Neural Networks
	19761A04F6		
	19761A04H3		
<b>C20</b>	19761A04H8	<b>Mr.Ch. Sivarama Krishna</b>	Egg Incubator For Small And Moderate Poultry Farms
	19761A04I3		
	19761A04G6		
<b>C21</b>	19761A04I5	<b>Mrs.K.Balavani</b>	Detection Of Plant Leaf And Its Disease By Using Rcn/Cnn Techniques
	19761A04G3		
	19761A04E2		
<b>C22</b>	19761A04E5	<b>Mrs.K.Pavani</b>	A Method For Information Hiding And Transferring It Securely In Public Domains
	19761A04F5		
	19761A04J1		
<b>C23</b>	19761A04E0	<b>Ms.G.Asha</b>	Design And Implementation Of Hybrid Embedded System Based Driver Monitoring System
	20765A04I3		
	19761A04I0		

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