

**LAKKIREDDY BALI REDDY COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**  
(Autonomous & Affiliated to JNTUK, Kakinada & Approved by AICTE, New Delhi,  
NAAC Accredited with 'A' grade, Accredited by NBA, Certified by ISO 9001:2015)  
L B Reddy Nagar, Mylavaram-521 230, Krishna District, Andhra Pradesh.

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**MAIN PROJECTS**  
**IV-B.Tech, II-Sem, Sec-A AY (2016-17)**

Project Batch no	Project batch roll no.s	Project titles
A1	12761A0441	Home automation using IOT
	13761A0408	
	13761A0449	
	13761A0439	
A2	13761A0434	Low cost secured wireless data communication
	13761A0406	
	13761A0441	
	13761A0442	
A3	13761A0414	Android based voice operated Robot
	13761A0415	
	13761A0457	
	13761A0413	
A4	13761A0451	Tumor detection using fast bounding box algorithm
	13761A0440	
	13761A0424	
	13761A0437	
A5	13761A0438	Speech enhancement using Kalman filtering algorithm
	13761A0430	
	13761A0435	
	13761A0436	
A6	13761A0422	Raspberry pi based IOT weather station
	13761A0452	
	13761A0426	
	13761A0447	
A7	14765A0412	Design of a controller for an Actuator used in Aerospace Vehicles
	14765A0405	
	14765A0407	
	13765A0445	
A8	13761A0429	Labview controlled score board
	13761A0428	
	14765A0402	
	13761A0410	
A9	13761A0423	Image resolution enhancement by using discrete and stationary wavelet transform
	13761A0407	
	13761A0444	
	12761A04D2	
A10	13761A0409	Leakage power analysis and reduction for nanoscale circuits
	13761A0401	
	13761A0448	
	13761A0455	
A11	13761A0433	Design of circular ring FSS in X-band
	14765A0408	
	14765A0410	
	14765A0404	
A12	13761A0446	Removing camera shake via weighted fourier burst accumulation
	13761A0458	
	13761A0431	

	13761A0402	
A13	13761A0427	A simple model of speech communication and its application to intelligibility enhancement
	13761A0425	
	13761A0419	
	13761A0416	
A14	13761A0412	Concealed weapon detection using digital image processing
	13761A0460	
	14765A0401	
	13761A0411	
A15	13761A0418	Advanced solar security system
	13761A0417	
	13761A0420	
	13761A0405	
A16	14765A0403	Gesture vocalizer
	13761A0432	
	14765A0409	
	14765A0411	
A17	13761A0450	Study and capacity evaluation of MIMO wireless communication system
	13761A0421	
	13761A0456	
	13761A0459	
A18	13761A0454	Dual Axis sun tracking solar panel
	13761A0453	
	13761A0404	
	13761A0403	

**Project In-charge**

**Project Review Committee**

**HOD**

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## **MAIN PROJECTS** **IV-B.Tech, II-Sem, Sec-B AY (2016-17)**

<b>Project Batch no</b>	<b>Project batch roll no.</b>	<b>Project titles</b>
B1	13761A0476	Arduino based vehicle alert system using GPS
	13761A0475	
	13761A0485	
	13761A0477	
B2	13761A04A5	IOT based water tank monitoring using NODEMCU
	13761A04B8	
	13761A0463	
	13761A04B6	Design of band stop filter using RAT-RACE

B3	13761A04B5	COUPLER
	14761A0423	
	14761A0419	
B4	13761A04B1	Speaker Recognition using MFCC
	13761A04B2	
	14761A0422	
	13761A0421	
B5	13761A04C0	Exploring image enhancement for fabric defect identification
	14761A0414	
	13761A0487	
	12761A0482	
B6	13761A04A6	Mouse pointer control with hand gestures using real-time image processing
	13761A04A2	
	14761A0415	
B7	13761A0466	Bar Code Based student Activity Log using Labview
	13761A0461	
	14761A0418	
	14765A0465	
B8	13761A0491	Smart locker security system using biometric fingerprint and GSM technology
	13761A0493	
	13761A0471	
	13761A0470	
B9	13761A0482	Vehicle tracking using adaptive background subtraction
	13761A0495	
	13761A04A4	
	13765A0478	
B10	13761A0474	Reflection removal and detection of missing object using affine based cross projection tensors
	13761A0473	
	13765A04A8	
B11	13761A0490	Implementation of face recognition using PCA Algorithms
	13761A0497	
	13761A0494	
	13761A04A3	
B12	13761A04B4	Design of compact branch line coupler with pre determined bandwidth and harmonic suppression
	14761A0413	
	14761A0424	
	13761A04B0	
B13	13761A0479	Area delay efficient binary adders in QCA
	13761A0481	
	13761A04A0	
	13761A0480	
B14	13761A0483	Digital image encryption using Arnold transformation and RC4 algorithm
	13761A0462	
	13761A0472	
	14765A0498	
B15	13761A0484	Android agriculture monitoring system using ESP8266 WI-FI module
	13761A0469	
	13761A0496	
	13761A0486	
B16	13761A0467	Image compression using contour-let transform
	14761A0416	
	13761A0492	
	13761A0499	
B17	14765A0488	Object recognition system using signature,
	13761A04A9	

	13765A04B9	principal component analysis and color information
	13765A0489	
B18	14765A04B3	Speech enhancement using spectral-over subtraction and MMSE-STSA estimator
	13761A0468	
	13765A04A1	
	14765A0417	

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## **MAIN PROJECTS** **IV-B.Tech, II-Sem, Sec-C AY (2016-17)**

Project Batch no	Project batch roll no's	Project Title
C1	13761A04D9	Blood Bank Monitoring System
	14765A0431	
	14765A0426	
	13761A04F7	
C2	13761A04C9	De-noising and Contrast Enhancement using Bilateral Filter and Adaptive Histogram Equalization
	13761A04F9	
	13761A04H5	
	13761A04C3	
C3	13761A04D6	Remote Controlled Metal Detecting Robot with Image Transmission
	13761A04G5	
	13761A04C4	
	13761A04F5	
C4	13761A04E8	Recognition of Images Degraded by Gaussian Blur
	13761A04H0	
	13761A04F4	
	13761A04H2	
C5	13761A04E7	Solar Powered Smart Irrigation System using AURDINO UNO
	13761A04H6	
	13761A04G6	
	13761A04C8	
C6	13761A04C2	Minutiae Estimation based Fingerprint Recognition
	13761A04F1	
	13761A04H7	
	13761A04C5	
C7	13761A04G1	Integrated Canteen Automation System Using LABVIEW
	13761A04G9	
	13761A04G0	
	14765A0434	

C8	13761A04I0	Hand Gesture Recognition and Voice Conversion System using Sign Language
	13761A04E2	
	13761A04E5	
	13761A04F3	
C9	13761A04D3	Wireless Signal Control System in Railways
	13761A04C6	
	13761A04E4	
	14765A0432	
C10	13761A04E6	Diagnosis of Diabetic Retinopathy using Morphological Process and SVM Classifier
	13761A04E9	
	14765A0425	
	13761A04F0	
C11	13761A04F8	Design of a Multi-Band Microstrip with Defected Ground Structure using HFSS
	13761A04G4	
	13761A04D8	
	13761A04D5	
C12	13761A04D7	DTMF based Load Control System using PIC Microcontroller
	13761A04C7	
	13761A04E0	
	13761A04D4	
C13	13761A04G7	Agricultural Motor Control System using GSM
	13761A04H1	
	13761A04F6	
	13761A04G8	
C14	13761A04G3	IOT based Home Automation using Internet Cloud
	13761A04E1	
	13761A04H3	
	14765A0430	
C15	13761A04H8	IOT based Intelligent Health Care System
	13761A04H9	
	13761A04F2	
C16	13761A04D1	Environmental Moisture Monitoring Station
	13761A04G2	
	13761A04D2	
	13761A04C1	
C17	14765A0427	Design and Simulation of Planar Inverted F Antenna (PIFA) for Mobile Handset Applications
	13761A04E3	
	14765A0436	
	14765A0435	
C18	14765A0428	Eye Gaze Tracking and Eyes off the Road Detection for Traffic Safety on RASPBERRY PI
	13761A04H4	
	14765A0433	
	14765A0429	

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