



**DEPT. OF ELECTRONICS AND COMMUNICATION ENGINEERING**  
**CMR TECHNICAL CAMPUS**  
*UGC Autonomous Institute*



Accredited by NBA and NAAC with A Grade  
 Kandlakoya(V), Medchal Road, Hyderabad – 501 401  
**Major Project Batches with Project Titles 2024-2025**

Sl.No.	Batch	Roll No.	Student Name	Project Guide	Project Title
1	A1	217R1A0405	BANGARI HARIKA	Md.Abdul Naqi	IoT Based Smart System for Boat Tracking, Weather Monitoring and Ocean Conservation
2		217R1A0459	TOOM NIKWANA		
3		217R1A0401	AEDELLY JYOTHSNA		
4	A2	217R1A0412	CHUKKA KAVYA	Vamshidhar Reddy	Smart Roads: Pathole Detection and Notification System
5		227R5A0405	CHILVERA PRATHAP		
6		217R1A0411	CHIPPLAPALLE THARUN KUMAR		
7		217R1A0460	VADLAKONDA KARTHIK		
8	A3	217R1A0414	DARAM SREYA	B.Thanuja	Smart Blood Bank-A Secure Android Application for Donors and Hospitals
9		217R1A0424	GUNDREDDY MANIKANTA VARDHAN REDDY		
10		217R1A0408	CH AKHIL		
11	A4	217R1A0420	GOPAGONI DEEPIKA	Dr.Bandi Doss	Vision Assistance for Real Time Text to Speech Conversion
12		217R1A0457	T CHARAN KUMAR		
13		217R1A0407	BOORA SREEJA		
14		217R1A0419	GARLAPATI KARTHIKEYA REDDY		
15	A5	217R1A0426	JARPLA VIJAY KUMAR	D.Sreekanth	Implementation of Railway Track Crack Detection System
16		217R1A0427	JARPULA ANIL KUMAR		
17		217R1A0437	MOHAN BABU RATHLAVATH		
18		217R1A0464	YESUPOGU SUJITH		
19		217R1A0430	KANDUKOORI BHASKAR		
20	A6	217R1A0431	KANUKULA VEDHAMUKHI	Dr.Ch.Sudhamani	Multifunctional Ground Device for Agriculture Applications
21		217R1A0404	ASTALAPURAM NAGA SRI		
22		217R1A0413	D VIGNESHWAR REDDY		
23		217R1A0415	G ADITHYA		
24	A7	217R1A0402	AMANDU AKSHAY	Dr.Bandi Doss	Security Enhancement and Trust in IoT Through Meshtastic Protocol using LORA
25		217R1A0406	BIKAS YADAV		
26		217R1A0409	CHADA ADITHYA REDDY		
27	A8	207R1A0438	DEVARSH REDDY	S.Venkatesh	Sustainable Air Circulation and Monitoring System for Caves using Solar Energy
28		217R1A0440	NANDHINI K.L		
29		217R1A0448	POTHURU BANUSREE		
30		217R1A0434	MANUPATI SHARATH KUMAR		
31	A9	217R1A0428	JATOTH ESHWAR	Prof.G.Srikanth	Communication in Black Spot using LORA Technology with Emergency Alerting System
32		217R1A0441	PABBU AJAY		
33		217R1A0438	MURKI VIGNESH		
34		217R1A0422	GOVARDHANAM SAI CHARAN		
35		217R1A0444	PILLALAMARRI LAXMI VENKATA SAI		
36	A10	217R1A0462	Y NARESH	A.Sri Divya	Robust Night Time Vehicle Surveillance System
37		217R1A0442	PALATI TEJASWINI		
38		217R1A0436	MOHAMMED TAJUDDIN BABA		
39	A11	217R1A0416	G MANIKANTA	G.Sravanthi	Sensor-Based Water Quality Monitoring System for Underground Water
40		217R1A0443	PENMETS HEMABHINAYA		
41		217R1A0417	G SAI KIRAN REDDY		
42		217R1A0418	GANNAMANI VENKATA LALITH DARAHAS		
43	A12	217R1A0458	TEKULA KEERTHI	Dr.Bandi Doss	IoT Based Smart and Precise Autonomous Management System
44		217R1A0446	PONUGUBATI JASHWANTH		
45		217R1A0454	SRI BALAJI V		
46		217R1A0463	YALALA AMBICA		
47	A13	217R1A0439	N UMAKANTH	Dilshad Shaik	Advanced Spirometer with Personalized Respiratory and Precision Guidance
48		227R5A0407	CHERKAPALLY ROHIT		
49		227R5A0406	ANGA YASHWANTH SAI		
50		217R1A0456	SURABHI VARSHA		
51		217R1A0452	S SAI VENKAT		

52		227R5A0401	JALIGI LAXMAN KUMAR	Dr.P.Venkatakrishnan	Automatic Human Follower Trolley With Smart Billing
53		217R1A0432	KUKUNARAPU SATHWIK		
54		217R1A0445	PIRIDI RAMA KRISHNA		
55		217R1A0435	MOHAMMED ABDUL ZAEED		
56	A14	217R1A0423	GUDELLI SAIBHARATH		
57		227R5A0402	POLAMPALLY LIKHITHA	S.Mallesh	Building an Open Source and Wireless Video Streaming using ESP32
58		217R1A0449	R PAVANI		
59	A15	217R1A0461	VARIKUPPALA POOJITHA		
60		217R1A0447	POSHAM NAGA SAI		
61		227R5A0403	SHETKAR SOWMYA	B.Karunasree	Advanced Fog Disinfection for Dry Hand Washing
62		217R1A0425	JAGAPATHI DEEKSHITHA REDDY		
63	A16	217R1A0433	VAMSHI KRISHNA		
64		227R5A0404	DURGAMPUDI CHAITHNA		
65		217R1A0453	SIMPI KUMARI	Dr.Bandi Doss	WIFI Based Standalone Radar
66		217R1A0429	JUNEDUDDIN		
67	A17	217R1A0403	ANKILLA ANUDEEP REDDY		

Bandi Doss  
**Dr.Bandi Doss**  
Project Co-ordinator

  
**Prof.S.Mallesh**  
HoD-ECE



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Year:2024-2025

ESTD: 2009



Major Project -Section-B

S.No	Batch No	Roll.No	Title of Project	Name of Guide
1	B-1	217R1A0492	IOT BASED ON EFFICIENT ELECTRICITY THEFT DETECTION AND MONITORING SYSTEM	Prof.S.Mallesh
2		217R1A04A0		
3		217R1A0477		
4		217R1A04B6		
5	B-2	217R1A04A6	BREAST CANCER PREDICTION USING RELIEFFS,PCA,SVM ALGORITHM'S	Dr.G.Srikanth
6		217R1A0468		
7		217R1A0495		
8		217R1A0483		
9	B-3	217R1A0479	ADVANCING UAV CONNECTIVITY:COOPERATIVE THZ COMMUNICATION IN FUTURE NETWORKS	Dr.Ch.Sudhamani
10		217R1A04A2		
11		217R1A0473		
12		217R1A0486		
13	B-4	217R1A04C2	5G COVERAGE PREDICTION USING MACHINE LEARNING FOR PREDICTION ACCURACY	Dr.Suraya Mubeen
14		217R1A04A4		
15		217R1A0491		
16		217R1A0497		
17	B-5	217R1A0475	AIR QUALITY PREDICTION BASED ON MACHINE LEARNING	Dr. K. Bharath Kumar
18		217R1A0496		
19		217R1A0494		
20		217R1A04B5		
21	B-6	217R1A04C5	SIGN RECOGNITION AND VOICE CONVERSION DEVICE FOR DUMB	Dr.P.Sirresha
22		217R1A04C8		
23		227R5A0412		
24		217R1A0482		
25	B-7	217R1A0480	CONTENT BASED IMAGE RETRIVAL SYSTEM USING DEEP LEARNING	Vinay Kumar
26		217R1A0476		
27		227R5A0409		
28		217R1A0466		
29	B-8	217R1A04C0	AI CAR WITH REAL-TIME DETECTION OF DAMAGED ROAD&LANE DETECTION BY DEEP LEARNINGUSING PYTHON	T.Nagarjuna
30		217R1A04A8		
31		217R1A0487		
32		217R1A0471		
33	B-9	227R5A0413	SUSPICIOUS ACTIVITY DETECTION USING MACHINE LEARNING	Thanuja
34		227R5A0410		
35		217R1A0478		
36		217R1A0499		
37	B-10	217R1A04A1	SOLAR BASED E-UNIFORM FOR SOLDIERS	A.Vamsidhar Reddy
38		217R1A04B3		
39		217R1A04B9		
40		217R1A04A7		
41	B-11	217R1A04C1	ADVANCING BANKRUPTCY FORECASTING WITH HYBRID MACHINE LEARNING TECHNIQUES:INSIGHTS FROM AN UNBALANCED POLISH DATASET	M.Sravanthi
42		217R1A04B2		
43		217R1A04C7		
44		217R1A04C4		
45	B-12	217R1A0485	REAL-TIME REMOTE PATIENT MONITORING SYSTEM BASED ON INTERNET OF THINGS	B.Karuna Sree
46		217R1A04C3		
47		217R1A0465		
48		227R5A0408		
49	B-13	217R1A0481	SMART FAULT DETECTION FOR HEALTH MONITORING USING YOLO	Md.Abdul Naqi
50		217R1A0490		
51		217R1A0498		
52		217R1A04C6		
53	B-14	217R1A0493	ENHANCED FAKE NEWS DETECTION THROUGH HYBRID DEEP LEARNING WITH FAST TEXTAND EXPLAINABLE AI	SK.Dilshad
54		217R1A0484		
55		217R1A04B8		
56		217R1A0472		
57	B-15	217R1A04B7	FAKE VS REAL:DEEP LEARNING FOR DEEPPFAKE DETECTION	A.Sridivya
58		217R1A04B4		
59		217R1A0474		
60		227R5A0411		
61	B-16	217R1A0469	LANDMINE DETECTION ROBOTIC VEHICLE USING GPS AND GSM Positioning	K.Prasanna Kumari
62		217R1A0488		
63		217R1A04B1		
64		217R1A0470		
65	B-17	217R1A0467	DETECTION AND CLASSIFICATION OF ELECTRICAL POWER SYSTEM FAULTS USING ARTIFICIAL NEURAL NETWORKS	N.Renuka
66		217R1A04A5		
67		227R5A0414		

Suraya Mubeen  
Dr.Suraya Mubeen

Project Co-Ordinator

Prof.S.Mallesh

HOD-ECE

**Academic Year :2024-2025**  
**Department of Electronics and Communication Engineering**

**Section -IVC**

**Industry Oriented Major Project**

S.NO.	Batch No	Roll.no	Title of Project	Project Guide
1	C1	217R1A04K1	Leveraging Convolutional Neural Network for Cataract Classification in Retinal fundus images	Dr.K.Mohana Lakshmi
2		217R1A04J6		
3		217R1A04G9		
4		217R1A04H1		
5	C2	217R1A04F3	Patient health monitoring with doctor alert reporting over IOT.	Mr. Ch.Narendar
6		217R1A04F4		
7		217R1A04F2		
8	C3	217R1A04J7	AI Driven Lung Cancer Detection and Staging using Computed Tomography	Dr.K.Mohana Lakshmi
9		227R5A04I8		
10		217R1A04H8		
11		217R1A04C9		
12	C4	217R1A04E8	Bi-Directional Li-Fi Transceiver for Data and Audio Streaming	Dr.Venkata Krishnan
13		217R1A04H3		
14		217R1A04D6		
15		217R1A04D0		
16	C5	217R1A04D1	Real Time Application for Vehicle Anti-Theft Detection and Protection Using Facial Recognition and Mail Notification	Dr.B.Doss
17		217R1A04G1		
18		217R1A04E1		
19		217R1A04D3		
20	C6	217R1A04F5	Multi-Model Deep Fake Detection System using CNN and Deep Learning.	Prof.S.Mallesha
21		217R1A04J5		
22		217R1A04H9		
23		217R1A04J1		
24	C7	217R1A04F8	Multiple Disease Identification Using Machine Learning Techniques	Mr.D.Sreekanth
25		217R1A04E3		
26		217R1A04G7		
27		217R1A04E0		
28	C8	217R1A04H5	Object Detection using YOLO with Audio Feedback	Dr K.Bharath Kumar
29		217R1A04J4		
30		217R1A04F9		
31		217R1A04S0		
32	C9	217R1A04F6	Epileptic Seizures Prediction using Deep Learning	Mr.S.Venkatesh
33		217R1A04K2		
34		217R1A04G0		
35		217R1A04H0		
36	C10	217R1A04G8	Electric Vehicle Battery Monitoring and Fire Extinguisher using Arduino Uno	Mrs.M.Sravanthi
37		217R1A04H4		
38		217R1A04H6		
39		217R1A04G2		
40	C11	217R1A04D9	Cattle Health Monitoring System using Arduino Uno	Mrs. V.Mounika
41		217R1A04E7		
42		217R1A04E4		
43		217R1A04G4		
44	C12	217R1A04E9	Real -Time Solider Tracking and health Monitoring with Visual and Audio Transmission Using IOT	Mr A.Vamshidhar Reddy
45		217R1A04G5		
46		217R1A04K4		
47	C13	217R1A04F7	Development of Sign Language Translated Based on Gesture towards using IOT	Dr.P.Sireesha
48		227R5A04Z0		
49		217R1A04K0		
50		217R1A04J3		
51	C14	217R1A04F1	An End -to-End Deep Learning Approach for Fingerprint Discrimination	Dr.K.Mohana Lakshmi
52		217R1A04G6		
53		217R1A04J8		
54		217R1A04H7		
55	C15	227R5A04I6	ML Based Surveillance System for Detection of Bike Ride without Helmet using Arduino	Mr. T. Nagarjuna
56		227R5A04I7		
57		217R1A04J0		
58		217R1A04J9		
59	C16	227R5A04I5	Design of a VLSI Router for the Faster Data Transmission Using Buffer	Dr.B.Doss
60		227R5A04I9		
61		217R1A04F0		
62		217R1A04D5		
63	C17	217R1A04D7	Plant Leaf Disease Detection and Classification Using an Integrated Image Processing and Deep Learning Approach	Mrs. K. Prasanna Kumari
64		217R1A04H2		
65		217R1A04J2		
66		217R1A04D8		