



CMR TECHNICAL CAMPUS
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Approved by AICTE, New Delhi and JNTU, Hyderabad
Kandlakoya (V), Medchal Road, Hyderabad- 501 401, Telangana

Established 2007



IV-SECTION -A -Major Project

Academic Year -2022-2023

Department of Electronics and Communication Engineering

S.NO	Batch	Roll No	Name of Student	Title of Project	Domain	Centre of Research	Guide Name
1	B-1	197RIA0402	Adurti Swarnalatha	A Brain Controlled Robotic Car Using Raspberry pi With Mind wave Mobile and Brain Sense	Embedded Systems	CVESD	Prof.G.Srikanth
2		197RIA0457	Thaalari Swamy				
3		197RIA0449	Ravula Sai Akhil Patel				
4		197RIA0456	Thalari Abhishek				
5	B-2	197RIA0425	Jally Brahmani	Sign Language Detection Using Deep Learning Model	Deep Learning	CACS	Dr.Suraya Mubeen
6		197RIA0417	Datha Pavan Kalyan				
7		197RIA0407	Ayesha Jagirdar				
8	B-3	197RIA0401	A.Praveen Kumar	Solider Health and Position Tracking System Using ATMEGA	Embedded Systems	CVESD	A.Sridivya
9		197RIA0423	Vineela Gurrum				
10		197RIA0438	Masanapally Supraja				
11		197RIA0432	Kancharla Devendher Reddy				
12		197RIA0448	Ramavath Harish Nayak				
13	B-4	197RIA0459	Thota Kumara Venkata Durga Karthik	Adaptive Surface Based Index Modulation with Customisation:A Novel Beyond MIMO Model for 6G	Digital Communications	CACS	Dr.Suraya Mubeen
14		197RIA0405	Are Nikhitha Reddy				
15	B-5	197RIA0403	Alamuri Pavan Kumar Reddy	MIMO Antenna for 5G Applications Using HFSS	Antennas	CACS	Dr.K.Bharath Kumar
16		197RIA0408	Bandi Sai Krishna				
17		197RIA0450	Reddy Swathi Priya				
18		197RIA0428	Renuyamini Kummarikuntla				
19	B-6	197RIA0429	Khanbani Venkata Bhargavi	Visual Object Tracking In Drone Images with Deep Reinforcement Learning	Image Processing	CSIP	Dr.K.MohanaLakshmi
20		197RIA0441	Nayini Dheeraj Rao				
21		197RIA0455	Telakuntla Saikeerthi				
22	B-7	207RIA0407	Asha Sreenath	Performance Analysis of Dadda Tree Multipler implementing with DSP Architecture	VLSI Design	CVESD	Dr.V.Mahesh Sonth
23		197RIA0445	Perpula Sahana				
24		197RIA0440	Mohammed Abdul Kareem				
25		197RIA0454	Suloreddy Sahithi				
26	B-8	197RIA0458	Thallapally Sahithi	Facial Recongition for Crime Detection	Python	CSIP	Md.Abdul Naqi
27		197RIA0452	Bheemari Shivani Gayathri Devi				
28		197RIA0406	Avula Ganesh				
29	B-9	197RIA0443	Panganti Naresh	Agriculture Field Motor Control System using GSM	Embedded Systems	CVESD	K.Prasanna Kumari
30		177RIA04D7	Chityala Sai Krishna				
31	B-10	197RIA0418	Dhanavath Praveen Kumar	Simulation and Synthesis of 6G Next Generation Wireless Network	Communications	CACS	Vinay Kumar
32		197RIA0411	Bandaram Bharath Goud				
33		197RIA0431	Kalvakuntla Sumana				
34		197RIA0412	Bathula Naresh				
35	B-10	197RIA0414	Bellamkonda Harish	Simulation and Synthesis of 6G Next Generation Wireless Network	Communications	CACS	Vinay Kumar
36		197RIA0444	Pantham Saikishore				
37		197RIA0437	Manchala Ganga Akhila				
38	B-10	197RIA0437	Manchala Ganga Akhila	Simulation and Synthesis of 6G Next Generation Wireless Network	Communications	CACS	Vinay Kumar
39		197RIA0426	K.Nikhil Kumar				
40	B-10	197RIA0426	K.Nikhil Kumar	Simulation and Synthesis of 6G Next Generation Wireless Network	Communications	CACS	Vinay Kumar
41		197RIA0421	Gopagani Ajay Bhargav				

42	B-11	197R1A0413	Bavireddy Vishwanth Kumar	Fertilizer Recommendation System for Disease Prediction	Deep Learning	CSIP	Md.Ameenuddin
43		197R1A0453	Soma Yashwanth				
44		197R1A0420	Ganjikunta Teja				
45		197R1A0435	Kushal Sahu				
46	B-12	197R1A0409	Baddam Santhosh	Active Collision Avoidance Control Based on Vehicle Emergency Breaking	Embedded Systems	CACS	G.Srikanth
47		197R1A0415	Bethi Anirudh				
48		197R1A0427	K.Bala Laxmi Prasanna				
49		197R1A0419	Gadipally Tejaswini				
50		197R1A0433	Katroth Naresh				
51		197R1A0424	I.Datri				
52	B-13	197R1A0460	Vadyanam Ramesh	An Effectual Underwater Image Enhancement Using Deep learning Algorithm	Deep Learning	CSIP	S.Mallesh
53		197R1A0404	Annadi Sai Kiran Reddy				
54		197R1A0422	Gottam Vamshi Krishna				
55	B-14	197R1A0434	Konda Pranitha	Drowsiness Detection and Auto Alerting System Using Image Processing Technique	Image Processing	CVESD	B.Thanuja
56		197R1A0416	Challagundla Vamshi				
57		197R1A0447	Puntukura Srinivas Goud				
58		197R1A0442	Pabbu Naveen				
59	B-15	207R1A0401	Gannu Akhil	Design of High performance instrumentational amplifier using header transistor	VLSI Design	CVESD	SK.Dilshad
60		207R1A0405	Simhadri Rajanandini				
61		207R1A0402	Javeria Unissa				
62		197R1A0446	Pulapakori Yadav Chandu				
63	B-16	207R1A0403	Patlolla Saisree	Footstep based Power Generation System in Public Places	Embedded Systems with IOT	CVESD	Dr.P.Sirresha
64		207R1A0404	Sambari Chandana				
65		197R1A0439	Mohammad Salman				
66		197R1A0410	Bakkani Deepak				
67	B-17	207R1A0406	Kongara Narmada	Brain tumor detection in magnetic resonance images using finetuned efficientNet	Digital Image Processing	CVESD	Bhavana
68		207R1A0408	Kadurkapu Chandana				
69		207R1A0409	Govindu Badri				
70		197R1A0430	Kalakonda Sireesha				

Dr.Suraya Mubeen
Project Coordinator

G.Srikanth
HOD-ECE

Seantty

CMR Technical Campus
Departement of Electronics and Communication Engineering
Academic Year 2022-2023
Major Project



Sl.No	Batch No.	Roll Number	Student Name	Project Title	GuideName
1	B1	197R1A04A6	Palnati Himalaya	mm Wave MIMO System using Hybrid Precoder and Combiner	G.Sravanthi
2		197R1A0478	Doniparthi Pallavi		
3		197R1A0479	Dosala Akhil		
4		197R1A0491	Kajuluri Meghana		
5	B2	207R5A0413	P.Rachitha	Night Vision wireless war field spying Robot	T.Nagarjuna
6		207R5A0410	B.Priyanka		
7		197R1A04C0	Valipalli Asha		
8		197R1A04B9	V.Srikanth		
9	B3	207R5A0411	Alpala Rakesh	Mobile charging on Coin Insertion prepaid Recharge Unit	B.Karunasree
10		197R1A0472	Baroth Ganesh		
11		197R1A0464	A.Abhilash		
12		207R5A0418	M.Vamshiteja		
13	B4	197R1A0482	GN Koushik Raj	Density based Traffic Light Controller System using Verilog	Prof.G.Srikanth
14		197R1A0481	G.L.V Pranay		
15		197R1A0492	K.Naveen		
16		197R1A04B8	V. Sateesh Kumar Reddy		
17	B5	207R5A0416	S. Vamshi Kumar	Smart Pillow for Advanced Health sensing	Dr.Sudha Arvind
18		197R1A04A4	Parameshwar Nunavath		
19		197R1A04A5	P.Govardhan		
20		197R1A04B0	P.Ranadheep		
21	B6	197R1A0466	Anindita Chowbey	Smart Bag for Women Safety	T.Nagarjuna
22		197R1A0490	K.Uday Kiran		
23		197R1A04B5	G.Ravi Teja		
24		197R1A0468	Anugula Anjall		
25	B7	197R1A0465	Anga Sindhuja	High Rate Uplink Detection for 5G Masive MIMO System	Dr.Sudha Arvind
26		197R1A0493	K.Phaninder		
27		197R1A04B7	S.Datta Sai		
28		197R1A04B7	S.Datta Sai		

29	B8	197R1A0484	Guntuku Akanksha	IOT Based Automated pond water quality monitoring system for Acquaculture farms	Dr.P.Venkatakrishnan
30		197R1A04B3	R.Navaneeth Reddy		
31		197R1A04B1	P.Sai kiran		
32		197R1A0498	L.Sai Sanjay		
33	B9	197R1A04A3	Nimma Prathyusha	Leaf Disease detection using Digital Image processing and Matlab	Dilshad Shaik
34		197R1A0486	J.Jyothish Reddy		
35		197R1A0480	D.Praveen		
36		197R1A0495	K.Akanksha		
37	B10	197R1A0477	C.Prathyusha	Cloud Based Human Activity Recognition System using Wearable Sensors	S.Venkatesh
38		197R1A0488	J.Archana		
39		197R1A04A9	P.Ravi		
40		197R1A0473	B.Sujith		
41	B11	197R1A0475	Tharun Reddy Chenugonipally	Unusual Human Activity Detection Crowd using Motion Influence Map	A.Vamshidhar Reddy
42		197R1A0489	K.Trivikram		
43		197R1A04B4	R.Ashok		
44		197R1A04A8	P.Srinath		
45	B12	197R1A04A7	Tharun Koti Reddy	Automatic Pillbox and Programmable Assitive Technology Device	Md.Abdul Naqi
46		197R1A0499	Macha Charan Teja		
47		197R1A0461	Allu Sai Teja		
48		197R1A04A0	Mohammed Salmaan		
49	B13	197R1A0496	K.Sai Supraja	Solar Power Automated Multitasking Agricultural Robot using IOT	D.Sreekanth
50		197R1A0474	B.Avanindra Yadav		
51		197R1A0462	A.Vinay Reddy		
52		197R1A0469	B.Yashwanth Kumar		
53	B14	197R1A0467	Ankush Kumar Singh	Securing ATM Transactions using Face Recognition	Dr.Sudha Arvind
54		197R1A0470	Baddam Sai Teja Reddy		
55		197R1A0483	Gopiti Nithish Reddy		
56		207R5A0412	Vadlakonda Vivek		
57	B15	197R1A0494	Katravath Rohith Naik	Smart Security System with Speech Recognition using IOT Technology	Dr.K.Mohanalakshmi
58		207R5A0414	Kanaparthi Saroj		
59		197R1A0476	Chagarla Sai kiran		
60	B16	197R1A04A2	Nakka Pooja	An Effectual Underwater Image Enhancement using Deep Learning Algorithm	R.Manoj Prakash Rao
61		197R1A0485	I.R. KrishnaVamsi		
62		197R1A04B6	Shiva Krishna Challa		
63		177R1A0480	L.Pavan		


Dr.Sudha Arvind
Project Co-ordinator


Prof.G.Srikanth

HoD-ECE



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Final Year ECE - C Major Project 2023

Section: C		Total No. of Candidates: 65					Date:
S. No	Batch No.	Title of the Project	Name of the Guide	Roll No.	Student Name	Signature	Remarks
1	BATCH-1	A Solar-Powered Robotic Vehicle Optimal Battery Charging by Smart Host Microcontroller	Dr.P.Venkata Krishnan	197R1A04G1	MOHAMMAD SAJEED		
2				197R1A04F7	MANIDEEP		
3				197R1A04G6	ADITHYA		
4				197R1A04D4	AJAY		
5	BATCH-2	Real Time Object Detection and Recognition Using Deep Learning	Mr.Ch.Narendar	197R1A04E2	ABHINAY		
6				197R1A04G7	SIDHARTHA		
7				197R1A04E4	PRASANNALAXMI		
8				197R1A04D9	SRINIVAS		
9	BATCH-3	Night Vision Wireless War Field Spying Robot	Mr.Ravi Chinkera	197R1A04C9	SUPRAJA		
10				197R1A04E6	DEEPESH		
11				197R1A04F3	DINESH		
12				197R1A04H2	RAGHAVA		
13	BATCH-4	Ultrasonic Navigation Stick for the blind using STM	Mr S.Venkatesh	197R1A04G2	MOHAMMAD SANA		
14				197R1A04G4	MAHESH		
15				197R1A04E1	LIKITH REDDY		
16				197R1A04H3	SRISAHITHI		
17	BATCH-5	Auto Delivery Robot by generating pincode using STM32	Dr.B.Doss	197R1A04D5	SHASHANK		
18				197R1A04E8	RAJESH		
19				197R1A04C8	SHIVA SAI		
20				197R1A04C5	RADHA		
21	BATCH-6	A Deep Learning Facial Expression Recognition	Mr.Ameenuddin	197R1A04D2	HARITHA		
22				197R1A04F4	ARJUN		
23				197R1A04C6	SURYA		
24				197R1A04H9	AMARENDHER REDDY		
25	BATCH-7	Industry Parameters Monitoring System based on Embedded Web Server(Arduino)	Dr.V.Mahesh Sonth	197R1A04G5	RAHUL		
26				197R1A04J0	MANIKANTA REDDY		
27				197R1A04F1	SALMANIDEEP		
28				197R1A04F5	AKASH		
29				197R1A04F0	ROHITH		
30				197R1A04F2	HARI CHANDANA		

31	BATCH-8	Potential of Hydrogen and Soil Moisture Sensing for plants using STM32	Ms.B.Karuna Sree	197R1A04E3	AKSHITHA		
32				197R1A04C7	TARUN		
33				197R1A04E9	KEERTHI		
34				197R1A04C2	KARTHIK		
35				197R1A04E0	RAM REDDY		
36	BATCH-9	Accident Detection System	Dr.P.Sireesha	197R1A04D3	SAI TEJA		
37				197R1A04D0	AKANSHA		
38				197R1A04D1	VASANTH		
39				197R1A04E7	SAI REDDY		
40	BATCH-10	Vehicle Tracking System	Dr.B.Doss	197R1A04G3	KRISHNA TEJA		
41				197R1A04C4	B ADARSH		
42				197R1A04G9	ANJI KUMAR		
43				197R1A04H8	THARUN KUMAR		
44	BATCH-11	Eye Ball Cursor Movement Using Open CV	Dr K.Bharath	197R1A04F6	ABHINAYA		
45				197R1A04D6	CHARAN		
46				197R1A04D7	SAI PRIYA		
47				197R1A04D8	ROHITH		
48	BATCH-12	Vehicle Detection and Speed Detection	Dr.B.Doss	197R1A04H4	AMRUTHA VALLI		
49				197R1A04H5	CHARAN		
50				197R1A04F9	PARAMESH		
51				197R1A04H0	SRIKANTH		
52	BATCH-13	Human Activity Recognition	A.Vamshidhar Red	197R1A04C1	LAHARI		
53				197R1A04H1	DHARANI		
54				197R1A04C3	LOKESH		
55				197R1A04H7	SHRAVANI		
56				197R1A04H6	SHASHANK		
57	BATCH-14	FPGA Based Navigation for Blind People	Mr.M.Mallesh	197R1A04G0	AFROZ		
58				197R1A04E5	DEEPAK		
59				197R1A04F8	DAVID RAJU		
60				187R1A04G3	MAHENDRA		
61				187R1A04A5	VINAY		
62	BATCH-15	Spammer Detection and Fake User Identification on Social Network	Mr.D.Sreekanth	187R1A04F9	SHARJEEL		
63				187R1A04D5	PRUDHVI		
64				187R1A0446	KRITHIK CHANDRA		
65				167R1A0422	VAMSHI RAJ		

Project Coordinator
Dr.B.Doss

HOD ECE
Prof.G.Srikanth