

Project List-2026

BATCH NO.	PROJECT TITLE	NAME	USN	GUIDE-1	GUIDE-2
1	A Python-Based Adaptive Block Encryption System Using Per-Block Entropy Profiling	VIKRAMADITYA SINGH CHAUHAN	1NH23EC180	Dr. Aravinda K(ECE Dept)	Aiay Sudhir Bale(ECE Dept)
		REYHAN SINGH YADAV	1NH23EC132		
		GANESH BABU	1NH23EC098		
2	Energy - Aware Analysis and Adaptive Optimisation Of Relativistic Time Correction in GPS Satellite Systems	Eshanvi	1NH23EC012	Mr. Adinarayan T V S (ECE Dept)	A Narayankiran(ECE department)
		Krupa	1NH23EC088		
		Nawaz	1NH23EC099		
		Vinay	1NH23EC086		
3	EdgeShield: AI-Driven Autonomous Network Defense Platform with Real-Time Threat Intelligence	Prathik H	1NH23EC120	Dr.Padmaja K(ECE Dept)	Mr.Ajay Sudhir Bale(ECE Dept)
		Kishore H	1NH23EC084		
4	An IoT-Integrated Hybrid Machine Learning Approach for Early Brain Tumor Detection	Ananya Shiva	1NH23EC013	Ms. Baby Chitra R(ECE Dept)	Dr.Sampa Das(ECE Dept)
		Bhoomika S K	1NH23EC031		
		C Hitha Amrutha	1NH23EC035		
		Anusha	1NH23EC016		
5	Hardware-Secured CAN-FD Gateway: A Silicon-Level Defense Against Node Injection Attacks	R G Adithiyaa	1NH23EC124	Dr. Sampa Das(ECE Dept)	Dr.Ishani Mishra(ECE Dept)
		S N V Devakanth Reddy	1NH23EC146		
		Thiruvikram Karthikeyan	1NH23EC169		
		V Naveen	1NH23EC173		
6	Realisation of noma based underwater communication system	A B Deepesh	1NH23EC001	Ms.Lipsa Dash(ECE Dept)	Dr..Pragati Tripathi(ECE Dept)
		Aaron James Oommen	1NH23EC003		
		M Deepesh	1NH23EC048		
		Noel David	1NH23EC107		
7	Performance evaluation of OTFS based 6G communication system	Manu Shankar	1NH23EC096	Ms.Lipsa Dash(ECE Dept)	Ms.Baby Chitra (ECE Department)
		Lingam Dhanush Kumar Reddy	1NH23EC090		
		M Gautam Reddy	1NH23EC092		
		Akhil	1NH23EC087		
8	Health and Usage Monitoring System (HUMS) For UAV/Drones	S Dhwarakesh	1NH23EC133	Dr. Jayanthi M(ECE Department)	Dr. Sudhakiran P(ECE Department)
		Vaibhav R	1NH23EC126		
		Kondapalli Divyakash	1NH23EC085		
		Sathvik Naidu	1NH23EC144		
9	Smart Network Traffic Analyzer	Harshal S J	1NH23EC020	Dr. Ishani Mishra(ECE Department)	Dr.Monika Gupta(ECE Department)
		Arun B S	1NH23EC005		
		Aditya K	1NH23EC067		
		Kiran H K	1NH23EC082		
11	Smart Health Monitoring System with Machine Learning Risk Prediction	R Devona	1NH23EC123	Ms. Rama P(ECE Department)	Dr. Ishani Mishra(ECE Department)
		SAHANA U	1NH23EC138		
		SHREYA RAMESH	1NH23EC151		
		TELKAR THANU SREE	1NH23EC167		
12	Edge-Based Medical Device Self-Diagnosis System (Sensor Drift Detection)	M. Ramaa Gayatri	1NH23EC095	Mr. Adinarayan T V S (ECE Dept)	Mr.Shashikiran (ECE Department)
		Tejaswini Badami	1NH23EC166		
		U Bhumika Asritha	1NH23EC171		
		Vandana H S	1NH23EC177		
13	Brain-Controlled Smart Wheelchair with Predictive Seizure Detection and Autonomous Safety Response	Arpita I K	1NH23EC018	Dr. Aravinda K(ECE Dept)	Dr.Monika Gupta(ECE Department)
		Bhoomika HP	1NH23EC030		
		Harini	1NH23EC066		
		Manya M	1NH23EC097		

15	RTL TO GDSII CUSTOM PROCESSOR DESIGN	Darshan G,	1NH24EC400	Mr. Nitin R(ECE Department)	Ms.Rama P(ECE Dept)
		Darshan NB	1NH24EC401		
		Natasha S	1NH24EC408		
		Jahnavi S	1NH24EC405		
16	Development of an Intelligent Epilepsy Monitoring Framework for Seizure Prediction and Stage Classification Using Transfer Learning	Mithun Raj E	1NH23EC101	Dr. Pragati Tripathi(ECE Dept)	Mr.Adinarayan TVS (ECE Department)
		Prajwal L	1NH23EC117		
		Lokesh M	1NH23EC091		
		Parinith M D	1NH23EC111		
17	AI-Powered Climate Analysis and Forecasting Using Raspberry Pi	Shreyas	1NH23EC154	Dr. Monika Gupta (ECE Dept)	Ms Baby Chithra (ECE Dept)
		Sai Vamshi	1NH23EC134		
		Rajesh	1NH23EC130		
		Sankarshan	1NH23EC141		
18	Tomato leaf disease detection using advanced deep learning techniques.	Samarth Batagurki	1NH23EC140	Dr. Monika Gupta (ECE Dept)	Ms.Lipsa Dash(ECE Dept)
		Ashwal A U	1NH23EC022		
		Vamshi Krishna M	1NH23EC175		
		Vinayaka H B	1NH23EC181		
19	Scalable Recommender System using Two-Tower Deep Learning Model	Kavya K.N	1NH23EC081	Ms. Mamatha S(ECE Department)	Mr.Ajay Sudhir Bale(ECE Dept)
		Harshitha C R	1NH23EC068		
20	Real-Time Adaptive Multi-Level Severity FSM	Sweety S	1NH24EC416	Mr.Puvirajan T(ECE Dept)	Mr.Adinarayan TVS (ECE Department)
		Pavithra SP	1NH23EC114		
		jalappagari boggu bhavya sri	1NH23EC072		
		jalappagari boggu mohan vikas	1NH23EC073		
21	Intelligent product suggestion system for web-based retail environment	Ashutosh Kumar	1NH23EC021	Ms. Mamatha S(ECE Department)	Ms. Hamsalekha (ECE Dept)
		Sabir Ahmed	1NH23EC136		
		Yashas V Murthy	1NH23EC185		
		Yashwanth M	1NH23EC186		
22	Unified Multi-Modal Peripheral Integration and Control Architecture	Darshan Gowda SG	1NH23EC045	Dr. Aravinda K(ECE Department)	Ms.Baby Chitra (ECE Department)
		Gagan Chowdary D	1NH23EC056		
		Prajwal S	1NH23EC118		
		Saish Sandeep Vernekar	1NH23EC139		
23	solar power seed sowing robot	Chandra mouli.B	1NH23EC038	Dr.Sudhakiran P(ECE Dept)	Dr. Ishani Mishra(ECE Department)
		Chetla shaik Asif	1NH23EC042		
		sada shiva reddy	1NH23EC057		
		Shiva Shankar reddy	1NH23EC058		
24	Smart Agriculture Using AI	Akshaya H M	1NH23EC011	Ms.Aruna S(ECE Department)	Dr.Mukti Yadav(ECE Dept)
		Ashwini P	1NH23EC023		
		C Srija,	1NH23EC036		
		Dhanireddy Kavya	1NH23EC050		
25	Implementation of a Vector-Controlled PMSM Drive for Agricultural Machinery	Abhijna	1NH23EC004	Mr. Nitin R(ECE Department)	Dr. Rajesh G (ECE Dept)
		Arpitha M	1NH23EC019		
		G Sree Udit	1NH23EC055		
		M Suhas P Kamath	1NH23EC093		
30	DESIGN SPACE EXPLORATION OF LOW POWER FULL ADDER ACROSS MULTIPLE LOGIC STYLES AND PROCESS	Yuvaraj Biradi	1NH23EC189	Mr. Shashi Kiran S(ECE Dept)	Mr. NagendraR (ECE Dept)
		Yashwanth T G	1NH23EC187		
		Chandrika P N	1NH23EC039		
		Basavaraj A L	1NH23EC029		
31	Design and ASIC Prototype of a Low-Power I ² C Controller IC	Kasi	1NH23EC103	Dr. Sudhakiran P(ECE Dept)	Dr. Jayanthi M(ECE Department)
		prahalad	1NH23EC116		
		venkatesh	1NH23EC078		
		shashank	1NH23EC149		
34	Mile-X	Darshan Infanto.R	1NH23EC046	Mr. A Narayan Kiran(ECE Dept)	Dr. Sudhakiran P(ECE Department)
		Dhanush Chandrashekhar	NH24EC403		

		Aravind S	1NH23EC017		
35	Reconfigurable RISC-V Based Edge AI Accelerator with Dynamic Voltage and Frequency Scaling (DVFS) Controller rate this project out of 5 and tell the uniqueness	Akshatha K	1NH23EC010	Mr.Omkar	Vinay R(ECE Dept)
		K Anush			
		Manikanda Raj	1NH23EC075		
		Madhumitha K	1NH23EC094		
		Pavithra B	1NH23EC113		
36	2-Way Set Associative Cache Controller Using Verilog	D sai varshini	1NH23EC043	Dr.Ishani Mishra(ECE Dept)	Dr.Monika Gupta(ECE Dept)
		G Akash Raj	1NH23EC053		
37	AI-Based Multi-Sensor Collision Prediction System for Advanced Driver Assistance Systems (ADAS)	Shankar	1NH24EC412	Ms. Aruna S (ECE Dept)	Mr. Omkar (ECE Dept)
		Veerendra GD	1NH24EC417		
		Raghavendra M	1NH23EC104		
		Sharath TS	1NH24EC413		
39	Development of Metal Lens Antenna for Wind Profiler Radar at K Band	Navaneeth		Dr. Gurulakshmi A B(ECE Dept)	Dr. Rajesh G (ECE Dept)
		Krishnan D	1NH23EC106		
		Hari Sanjay Nair	1NH23EC65		
		Dhanya KM	1NH23EC051		
		Aditya Ritti	1NH23EC007		
41	Autonomous Line Tracking Drone Using AI Vision	PASALA SAINITHIN	1NH23EC112	Mr. Nagendra R(ECE Dept)	Dr. Padmaja K(ECE Dept)
		RAHUL S			
		TELAGAR	1NH24EC411		
		PREM TELI	1NH24EC410		
42	Emotion-Aware Smart Study Desk	B. Farooq	1NH23EC034	Ms.Hamsalekha (ECE Dept)	Ms.Mamtha B S(ECE Dept)
		Gayathri B	1NH23EC060		
		R Prathiba Reddy	1NH23EC125		
		Shree Harshitha	1NH23EC150		
50	SECURITY SYSTEM USING RASPBERRY PI4	Sanyog M	1NH23EC143	Ms.Lipsa Dash(ECE Dept)	Ms. Aruna S(ECE Dept)
		Vishnuvardhan Reddy	1NH23EC077		
		Gurukiran	1NH23EC063		
		Bansidhar Reddy	1NH23EC109		
51	IoT Based Traffic Prediction for Smart Cities	Chandan B	1NH23EC037	New Faculty	
		Charan Reddy K	1NH23EC040		