



NRI INSTITUTE OF TECHNOLOGY

MAJOR PROJECTS DETAILS FOR LIBRARY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

A.Y: 2022-2023

ECE A

Sl. No.	Batch No.	Roll No.	Name of the Student	Title of the Major Project	Guide Name
1	1	19KN1A0410	A.Jagadeesh	Power & Area Efficient Approximate Multiplier Using Compressors	D. Murali
2		19KN1A0401	Ab.Azeez		
3		19KN1A0464	E.Vinay Yadav		
4		19KN1A0349	Ch.Likitha		
5	2	19KN1A0433	B.Praveen Kumar	Speech Emotion Recognition Using Support Vector Machine	Dr. V. SrinivasaRao
6		19KN1A0406	A.Kaylan Babu		
7		19KN1A0405	A.Arun Babu		
8		19KN1A0437	CH.Sri Harsha		
9	3	19KN1A0425	B.Susmitha	Information Conveying and Power Management for Smart Class Room	Dr. P. Ramakoteswara Rao
10		19KN1A0416	B.Jaya Satya Sri		
11		20KN5A0406	G.Arun Teja		
12		20KN5A0403	B.Harsha Vardhan		
13	4	19KN1A0426	B.Megana	Parking System of Vehicle Using Image Processing	Dr. V. Ramesh Babu
14		19KN1A0460	G.Sri Manju		
15		19KN1A0413	B.Rama Koti Reddy		
16		19KN1A0419	B.Yaswanth		
17	5	19KN1A0452	G.V.Kathyayeni	Enhanced Hash Based Image Steganography Technique to Increase Data Integrity and Confidentiality	B. Phanindra Kumar
18		19KN1A0453	G.Satish Kumar		
19		19KN1A0441	D.Ajay		
20		19KN1A0421	B.Layari Devi		
21	6	19KN1A0458	G.Sujith	Design And Development of Metamaterial Based Microstrip Patch Antenna for Wireless Applications	Dr. S.V. Rama Rao
22		19KN1A0457	G.Nikhila		
23		19KN1A0430	B.Siva Naga Raju		
24		19KN1A0438	CH.Dilip Narayana		
25	7	19KN1A0459	G.Sai Teja	Smart Display Using Raspberry Pi -4	B. V. R. V Prasad
26		19KN1A0462	K.Hari Priyanka		
27		19KN1A0420	B.Durga Surendra		
28		19KN1A0429	B.Karthik		
29	8	19KN1A0431	B.Sravya	Design And Implementation of MAC Unit By Using DADDA Algorithm for Partial Product Reduction	Y. Arpitha
30		19KN1A0441	D.L Sravanthi		
31		20KN5A0404	Ch.Prasanthi		
32		20KN5A0401	B.Predeep		
33	9	19KN1A0454	G.Deepthi	Social Distancing & Anti- Riot Drone with Tear Gas	B. Sneha Latha
34		19KN1A0427	D.Bhuvana Madhuri		
35		20KN5A0402	B.Swami Sekhar		
36		20KN5A0405	CH.Manoj Kumar		
37	10	19KN1A0445	D.Kalyani		

38		19KN1A0440	CH.Lokeswari	Autonomous Fertilizer Dispenser for Agricultural Applications	Dr. Sk. Abdul Rahiman
39		19KN1A0444	D.Lokesh		
40		19KN1A0412	B.Srinadh		
41	11	19KN1A0449	D.Ravindra	Secure Lab Access Using Card Scanner Plus Face Recognition	P. Venu Gopal
42		19KN1A0451	E.Madhu Latha		
43		19KN1A0418	B.Kishor Prakesh		
44		19KN1A0407	A.Anumapa		
45	12	19KN1A0448	D.Hema Sai	Sign Language Recognition Using Convolutional Neural Network	Sk. Ashraf Ali
46		19KN1A0404	A.Sai Jithendra		
47		19KN1A0463	D.Thanmai		
48		19KN1A0446	D.Vinod Kumar		
49	13	19KN1A0424	B.Kushal Singh	Altered Pulse Aidable Emergency Ventilator	K. Swathi
50		19KN1A0402	K.Ajay		
51		19KN1A0456	G.Prasana Kumar		
52		19KN1A0428	B.Rohith Poul		
53	14	19KN1A0432	B.Nandini	Hostel Girl's Security System Using Raspberry Pi Pico	Ch. Swathi
54		19KN1A0434	Ch.Tejaswi		
55		19KN1A0450	E.Lanvanya		
56		19KN1A0422	B.Mani Babu		
57	15	19KN1A0436	Ch.Syamala	Identification And Detection of Coronary Heart Disease Through Iris Using Deep Learning Methods	Dr. S. Vara Kumari
58		19KN1A0411	A.Anitha Chowdary		
59		19KN1A0423	B.V. Surendra Babu		
60		19KN1A0417	B.Jaya Prakash		
61	16	19KN1A0435	Ch.Sai Sindhu	Control Abnormal Situations with Facial Expressions Using Deep Learning Techquies	A. Satti Babu
62		19KN1A0455	G.Preethi		
63		19KN1A0414	B.Prudhvik		
64		19KN1A0461	G.Ashok		
65	17	19KN1A0409	A.Nikhileswar	Wearable Vision Assistance System Based on Binocular Sensors For Visually Imparied Users	Syed Usman
66		19KN1A0447	D.Roja		
67		19KN1A0408	A.Chaitanya Priyanka		
68		19KN1A0443	D.Karthik		

ECE B

Sl. No.	Batch No.	Roll No.	Name of the Student	Title of the Major Project	Guide Name
1	1	19KN1A04C2	Krishna Priya Pagadala	Design A High Speed and Fault Free Memory Computing with Address Based SRAM Architecture	Syed Usman
2		20KN5A0411	Kurmala Durga Sri Mahalakshmi		
3		19KN1A0487	Manoj Kumar Kolusu		
4		20KN5A0408	Kollipara Vinay		
5	2	19KN1A04A3	Mandava Snehitha Chowdary	Classification Of Brain Tumor Using Convolution Neural Networks (CNN)	G Srinivas Babu
6		19KN1A0484	Kolla Neeraja		
7		19KN1A04A2	Mandhapati Manmohan Prasad		
8		19KN1A0485	Kolli Charan Sai Kumar		
9	3	19KN1A04C5	Revathi Pandiri		Dr. R Sunitha



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10		19KN1A0478	Kalavakuri Venkata Sudharani	Leaf Disease Detection and Automatic Pesticide Spraying Controlling Robo Using Rasberry Pi	
11		19KN1A04C7	Seerla Janardhan		
12		19KN1A0477	K Srikanth Sri Viswanathan Iyer		
13	4	19KN1A0465	Hasitha Vidya Yadavalli	Gender And Age Classification Using Deep Learning	Dr. V. SrinivasaRao
14		19KN1A0496	Venkata Narendra Lella		
15		19KN1A0499	Dakshinya Maddukuri		
16		19KN1A0491	Satyanarayana Kosuri		
17	5	19KN1A0475	Yesubabu Jonnadula	Solar Powered Moisture Control of Fresh Harvested Mangoes for Export Quality	Dr. P. Ramaoteswara Rao
18		19KN1A04C4	Siva Sankar Pamarthi		
19		19KN1A0466	Satish Ijjigani		
20		19KN1A04A9	Mallikarjuna Mithukulla		
21	6	19KN1A0481	Lakshmi Preethi Karangula	A Combined Message Encryption & Decryption Cryptographic Algorithm Based on AES and RSA Algorithms	R. Upendra Rao
22		19KN1A04B9	Tejaswini Naradala		
23		19KN1A0490	Geya Geethika Koravi		
24		19KN1A04B1	Sai Surendra Mudigonda		
25	7	19KN1A04C3	Kyathi Ramadevi Pamarthi	Recognition Of Finger Knuckle Print for Personal Authentication Based on Principle Component Analysis	P. N. B. Swamy
26		19KN1A0494	Kiran Teja Kunchi		
27		19KN1A0489	Koppula Narayana Reddy		
28		19KN1A0479	Pavan Teja Kalimikonda		
29	8	19KN1A0476	Padmavathi Juvva	A Secured Hybrid Biometrics Based E-Voting for Election Process	Dr. S. V Rama Rao
30		19KN1A04A6	Jahnavi Maragani		
31		19KN1A04A7	M Jahanavi		
32		19KN1A04A1	Hemanth Manchala		
33	9	19KN1A04C8	Pujitha Veerla	Implementation Of Voice Based System for Dumb People Using Hand Gestures	Y. Arpitha
34		19KN1A0480	Likhitha Kambampati		
35		19KN1A04A4	Dharani Chowdary Mannem		
36		19KN1A04A5	Sri Nikhileswar Nag Manyam		
37	10	19KN1A0482	Divya Katepalli	Doodle Based Authentication Techniques Using Augmented Reality	Dr. K. Prathyusha
38		19KN1A0486	Sai Vasanth Kumar Kolli Venkata		
39		19KN1A0471	Tejesh Jangam		
40		19KN1A0472	Sai Kiran Jannu		
41	11	19KN1A0493	Lokeswari Kukkala	Solar and Wind Mobile and Laptop Charging System	Ch. Swathi
42		19KN1A04C1	Tharun Neelisetty		
43		20KN5A0407	Janamala Niharika		
44		19KN1A0498	Sai Charan Maddirala		
45	12	19KN1A04C0	Madhu Babu Neeladri	IOT Based Air and Sound Pollution Monitoring System	G Sree Lakshmi
46		19KN1A04B5	Anil Nakka		
47		19KN1A04B0	M. Sai Mani Kantha		
48		19KN1A0497	Sandeep Madda		

49		19KN1A0467	Ijjigani Siva Kumar		
50	13	19KN1A04B6	Bindu Madhuri Nalluri	Design And Implementation of Kogge-Stone Parallel Prefix Adder Architecture Using Labview	D Ravi Shankar
51		19KN1A0470	Jishma Vyshnavi Jalluri		
52		19KN1A04A0	Tejaswi Mallela		
53		19KN1A0468	Poojitha Irla		
54		19KN1A04B4	Naga Indu Sri Kella		
55	14	19KN1A0483	Pravalika Kokkeragadda	Obstacle Avoidance for UAV Path Using Optimized Gradient Descent	N Malathi
56		20KN5A0410	Korivada Tanuja		
57		20KN5A0409	Konduri Tanvi		
58		19KN1A0473	Anjani Priya Jillela		
59	15	19KN1A0495	Aravind Lankalapalli	Controlling A Robotic Arm Using Hand Recognition Software	P. Venu Gopal
60		19KN1A0488	Gopi Chand Kondapalli		
61		19KN1A0492	Mahesh Kumar Kothi		
62		19KN1A0469	Jyotheshwara Venkata Sai Kumar J		
63	16	19KN1A04A8	Mathi Manish	Design of an Efficient High Speed Radix-4 Booth Multiplier Using CLA Adder For High Speed Architectures	K Swathi
64		19KN1A04B3	Muttineni Manoj Kumar		
65		19KN1A04C6	Patibandla Rahul		
66		19KN1A04B7	Sravani Nalluri		
67	17	19KN1A0474	Dhana Lakshmi Jonna	Solar Based Wireless Charging Station for Electrical Vehicles	M.Mahesh
68		20KN5A0412	Nanduri Chiru Divya		
69		19KN1A04B8	Phani Srinivas Nandivada		

ECE C

Sl. No.	Batch No.	Roll No.	Name of the Student	Title of the Major Project	Guide Name
1	1	19KN1A04I5	V.NEELIMA REDDY	Detection and Identification of Cyber-Attacks with Machine Learning Approach	B.V.R.V Prasad
2		19KN1A04G7	T.SIVA LEELA		
3		19KN1A04I1	V.JOHN		
4		19KN1A04G9	T HARSHA VARDHAN		
5		20KN5A04I5	SK. GOWSIA PYARI		
6	2	19KN1A04E9	I.SAI SRUTHI	Diabetic Retinopathy Stages Prediction Using Deep Learning	R Upendra Rao
7		19KN1A04D9	P.CHIRANJEEVI		
8		19KN1A04H9	V MUKESH REDDY		
9		19KN1A04C9	P. SAI SUMANTH		
10	3	19KN1A04F6	SK.AYESHA FIDROSS	Brain Tumor Classification Using Pre-Trained Models	G Srinivas Babu
11		19KN1A04F2	S.PRAVACHANA		
12		19KN1A04F8	SK.SHARIFUDDIN		
13		19KN1A04F3	SK.ABDUL KAREEM		
14	4	19KN1A04G8	T.PRANITHA	Vehicle Number Plate & Unauthorized Vehicle Recognition System	SK. Ashraf Ali
15		19KN1A04H3	T.KAVYA		
16		19KN1A04G3	D.SUJITHA		
17		19KN1A04I4	V CHANDRA SHEKAR		



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18		19KN1A04H5	U.ASHOK		
19	5	19KN1A04D3	P.SAI LAKSHMI	FPGA Based Home Security System	Dr. V Ramesh Babu
20		19KN1A04E2	P.SIVA PARVATHI		
21		19KN1A04G4	S.NAMRATHA		
22		20KN5A0417	S.RAVINDRA BABU		
23	6	19KN1A04E4	R.SAI HARSHITHA	Implementation of Child Tracking System Using IOT	D Ravi Shankar
24		19KN1A04E3	R.GURUDEVI		
25		19KN1A04G5	S.ASHOK		
26		19KN1A04E5	R.SUBHASH REDDY		
27	7	19KN1A04F5	SK.ASIMA HASRATH	An Effective Android-Based Bus Live Tracking System Using Arduino	Dr K Prathyusha
28		19KN1A04F9	SK.SHAJAHAN		
29		19KN1A04H7	U. LIKITH KUMAR		
30		20KN5A0416	S.GAYATHRI PRIYA		
31	8	19KN1A04D2	P.HARSHITHA	RFID Based Smart Movable Road Divider with Ambulance Priority System	B Phanindra Kumar
32		19KN1A04F7	SK.SHANAWAZ		
33		19KN1A04H6	U.AISHWARAYA		
34		19KN1A04J2	Y.PADMA PRAVALLIKA		
35	9	19KN1A04D8	P.VISHNU	Electricity Theft Detection and Automatic Bill Generate	G Sree Lakshmi
36		19KN1A04D6	P.V.MEGHANA		
37		19KN1A04G1	G.SIVA RAMA KRISHNA		
38		19KN1A04E0	P.ACHUTHA GOLD		
39	10	19KN1A04F0	S.PAVANI	IOT Based Patient Monitoring System	S Vara Kumari
40		19KN1A04D0	P.KARTHIK		
41		19KN1A04G0	S.RAMYA SRI		
42		19KN1A04I7	V. G PHANI KRISHNA		
43	11	19KN1A04G2	P.SIVA VEDA SRI	LFSR Based Test Pattern Generator For Complex Circuits	N. Malathi
44		19KN1A04G6	S. MONIKA		
45		19KN1A04J3	S SATYA NARAYANA		
46		20KN5A0413	SATYA PAWAN		
47	12	19KN1A04D4	DURGA GANESH	Traffic Light Control System Using Image Processing	Dr R Sunitha
48		19KN1A04I8	V.CHINNMAI		
49		19KN1A04H8	V V S ARUN KUMAR		
50		19KN1A04I9	V. SIVA KIRAN REDDY		
51	13	19KN1A04E7	R.NAGA ROHITH	Smart Way of Motorcycle Problems Solved Based on IOT	A Satti Babu
52		19KN1A04H4	T.MANASA		
53		19KN1A04J1	Y.SUMAN RAJA		
54		19KN1A04D7	P.LOKESH		
55	14	19KN1A04D1	P.SANTHOSH	Autonomous Fire Detection and Controlling Robot	D Usen
56		19KN1A04E8	R.HEMA PRASSAD		
57		19KN1A04J0	V.VINAY KUMAR		
58		20KN5A0414	I.RAVINDRA		
59	15	19KN1A04I0	V.RAHUL	Tracking Unauthorized Access Using Machine	P.N.B. Swamy
60		19KN1A04F4	SK.ARFATH HUSSIAN		
61		19KN1A04I3	V. DURGA PRASSAD		

62		20KN5A0418	BHAVINASH	Learning for Face Recognition	
63	16	19KN1A04I2	V.SAI BABU	Automatic Robotic ARM For Waste Segregation	Dr. Sk Abdul Rehiman
64		19KN1A04H0	T.KIRAN		
65		19KN1A04H2	T.TEJASWI		
66		19KN1A04H1	T.CHIRANJEEVI		
67	17	19KN1A04F1	S.SRINIVASA RAO	An Enhancement of Fast Mapping and Updating Algorithms for A Binary CAM	D. Murali
68		19KN1A04E6	R.MARY LAVANYA		
69		19KN1A04E1	P L LAKSHMI SUDEEPTHI		
70		19KN1A04I6	V.HIRANMAYI		
71		19KN1A04D5	P.PAVANI		


Signature of the CoOrdinator


Head of the Department

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