

Department of Electronics and Communication Engineering

LIST OF FUNDED PROJECTS

Sl. No	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/ Co-Investigator	Year of Award	Amount Sanctioned	Name of the Funding Agency
1	Design and Development of Ground Penetrating Radar With On-Field Reconfiguration Capability Applicable to Sustainable Industrial and Agricultural Purposes	Dr. Indumathi G Dr. Cyril Prasanna Raj P Dr. Girish H Dr. Usha C Dr. Antony Piriya kumar	2023	Rs 494 Lakhs	Chips2starup Meity
2	Digital Rain Gauge	Dr. Girish H M SINDHU SHAIK SHAMMU GRANDHE SAI LIKHITHA KONANKI YAMINI	2023	Rs.5000.00	KSCST
3	ASSISSTIVE PROSTHETIC ARM	Prof. Ravikumar M A RIMSHIYA TARHEEN AKSHATHA R BHAVANA G L DHARSHINI M	2023	Rs.5000.00	KSCST
4	IMPLEMENTATION OF MEDICAL IMAGE FUSION	Prof. Veerappa JONITHA B GAYATHRI N MANOSMITA ARAN R HOSHICA	2023	Rs.5000.00	KSCST

Department of Electronics and Communication Engineering

5	FDP on Advances and Applications on Smart System Engineering	Dr. Shobha S.	2019	534000.00	AICTE
6	AICTE Sponsored Six Days STTP on "ASIC Chip Design & Verification Course"	Prof. Mahendra B M	2019	Rs. 500000	AICTE
7	FDP on IOT and PYTHON	Dr.Indumathi G	2019	25000	VTU
8	Wireless Notice Board	Dr. Basavaraju C., Mr.Venkata Sai Kiran, Mr. Manohar Sai, Ms. Rani Nimisha and Ms. Prithvi	2020	5000	IEEE
9	Modernization of VLSI Laboratory(MODROBS)	Dr.Indumathi G	2020	3,25,000	AICTE
10	ASIC Chip Design and Verification course (STTP)	Prof. B.M. Mahendra	2020	229667.00	AICTE
11	BIONIC ARM	Dr. Girish H Dr. Shivananda Ms. RAGENDHU RAMESH Ms. SIRISHA P Ms. DIVYA D Mr. TARUN PRASAD V	2021	6000	KSCST
12	Platoon Delivery system	Dr. Girish H Prof. Hemanth kumar Jishnu Mohammed Khaliq	2020	5000	KSCST

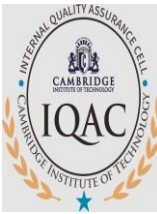


CAMBRIDGE INSTITUTE OF TECHNOLOGY

K.R. PURAM, BANGALORE – 560 036, Ph: 080-2561 8798 / 2561 8799

Fax: 080-2561 8789, email: principal@cambridge.edu.in

Affiliated to VTU|Approved by AICTE|NAAC & NBA Accredited|An ISO9001:2015 Certified Institute



Department of Electronics and Communication Engineering

		Selceya			
13	Autonomous Delivery Robot	Dr. Indumathi G Prof. Raghunath Reddy Maria krithika Joannes Lenny Jeevitha Joanna George	2020	5000	KSCST
14	Accident prevention using IR Sensor	Dr. Indumathi G Sheetal Vismaya Yashaswini Yasmeen	2020	5000	VTU Avishkar
15	Pipe Inspection Robot	Dr. Girish H Prathiba Shruthi Vandana Manasa	2020	5000	VTU Avishkar

Department of Electronics and Communication Engineering

LIST OF PATENTS

Sl. No.	Application No.	Date Applied	Date Published	Title	Authors	Status
1	202341030350	2023-04-27		SYSTEM, METHOD AND DESIGN OF A SMART SAFETY DEVICE FOR WOMEN USING IOT	SHEETHAL N MONISHA M POOJASHREE S SNEHA T S Prof. SHIVAPANCHAKSHARI T G	Filed
2	202341031434	2023-05-03		SYSTEM, METHOD AND DESIGN OF CAR PARKING SYSTEM USING ARDUINO	ARUN KUMAR V SUHAS M VAMSHI R N VENKATESH T S Prof. SRINIVASALU G	Filed
3	202341034744			SYSTEM, METHOD AND DESIGN OF AUTOMATIC WASTE SEGREGATION SYSTEM	GANESH R DHAVAN HEMANTH GOWDA L N TEJAS S VIJAY S Prof. RAVI KUMAR M	Filed
4	202341034748			SYSTEM, METHOD AND DESIGN OF AUTOMATIC BILLING SYSTEM	AJAY KUMAR M ANEES FATIMA CHANDANA K S K P DEEPAK KUMAR Prof CHETAN NAIK J	Filed
5	202341034749			SYSTEM, METHOD AND DESIGN OF CAR BLACK-BOX FOR ACCIDENT ANALYSIS	AMOGH T S CHETHAN B V DEEP BANDYOPADHYAY GANESH BHASKAR SAVANT Prof. ROOPA M	Filed

Department of Electronics and Communication Engineering

6	202341034745			SYSTEM, METHOD AND DESIGN OF RC HOVERCRAFT	ABHISHEK R CHETHAN H V HARSHA Y K UDAY KIRAN Dr. SHIVANANDA	Filed
7	202341030358	2023-04- 27		SYSTEM, METHOD AND DESIGN OF DEKH.AI	TARUN R JAIN V RANJITH KUMAR VIGHNESH P YASHAS G K Prof. JENITA SUBASH	Filed
8	202341035025			SYSTEM, METHOD AND DESIGN OF LOW COST ELECTRONIC VENTILATOR	MOHAMMED GHOUSE S A DHANUSH P PRITHVI RAJ V N Dr. USHA CHENNOJI	Filed
9	202341030345	2023-04- 27		SYSTEM, METHOD AND DESIGN OF MILITARY SPYING AND BOMB DISPOSAL ROBOT	NANDITHA N MEKALA GURU SIVA S.THULASI SHARANYA N. MAHESH TEJA Dr GIRISH H	Filed
10				SYSTEM AND METHOD OF DESIGN AND OPTIMIZATION OF RISC V PROCESSOR	MUZAMMIL PASHA CHANDAN G THOUQIR KHAN HIMANSHU JAISWAL Dr GIRISH H	Filed
11	202341034746					Filed
12	202341030357	2023-04- 27		SYSTEM AND METHOD OF PIEZO- ELECTRICITY HARVESTER USING FOOTWEAR	PRATYUSH SHARMA MURLI MANOHAR MISHAR PURU RAJ YADAV MAHESH SEKHAR SAHU Prof. LOKESH A M	Filed

Department of Electronics and Communication Engineering

13	202341035026			SYSTEM AND METHOD OF AMAZON CLOUD ALEXA USING ARDUINO	MENAKURU SRIKAVYA NALLAM SATHWIK A BINDHU D R BINDHU SHREE S Prof. VEERAPPA S C	Filed
14	202341030351	2023-04-27		SYSTEM AND METHOD OF THE REAL TIME TRAFFIC LIGHT CONTROL SYSTEM	GUDE POOJA SHRAMANTH R K VIJAYA LAKSHMI G DOMMARA KASTHURI Prof. SHYAM SUNDAR V	Filed
15	202341031435	2023-05-03		SYSTEM, METHOD AND DESIGN OF ASSISTIVE PROSTHETIC ARM	A RIMSHIYA TARHEEN AKSHATHA R BHAVANA G L DHARSHINI M Prof. RAVI KUMAR M	Filed
16	202341030349	2023-04-27		SYSTEM, METHOD AND DESIGN OF ATTENDANCE MONITORING SYSTEM USING FACIAL RECOGNITION AND BIOMETRICS	J TRUPTHI K TARUN KUMAR SNEH PATHAK VISHWESH PANDEY Prof. HARIPRASAD T L	Filed
17	202341035024			SYSTEM AND METHOD OF IMPLEMENTATION OF MEDICAL IMAGE FUSION	JONITHA B GAYATHRI N MANOSMITA ARAN R HOSHICA Prof. VEERAPPA S C	Filed

Department of Electronics and Communication Engineering

18	202341035022			SYSTEM AND METHOD OF PORTABLE ECG USING ARDUINO	KAVYA P C MEGHANA N MONICA G PANCHAMI S MAHENDRAN Prof. NANDINI KUMARI B	Filed
19	202341030348	2023-04-27		SYSTEM AND METHOD OF SELF CHARGING ELECTRIC VEHICLE	MAHESH S V POONAM KUMARI S MAGESH G R DIVYA Prof. GEETANJALI P	Filed
20	202341031433	2023-05-03		SYSTEM AND METHOD OF DIGITAL RAIN GAUGE	M SINDHU SHAIK SHAMMU KONANKI YAMINI GRANDHE SAI LIKHITHA Dr GIRISH H	Filed
21	202341030347	2023-04-27		SYSTEM AND METHOD OF RFID AND KEYPAD BASED DOOR LOCK AND ALERT SYSTEM USING ARDUINO	GURURAJ H R SHEEN PREETHAM G SHIVAMURTHY M SAVALGI SIRAJ CHOUDHARY Prof SNEH RACHNA	Filed
22	202341030356	2023-04-27		SYSTEM AND METHOD OF LOCAL AND REMOTE CONTROLLED ROBOTIC ARM	KUNDURU SRIKANTH REDDY PULI VEMA REDDY GANDLA HARSHAVARDHAN M SHASHANK Prof. CHAITHRA S	Filed

Department of Electronics and Communication Engineering

23				SYSTEM AND METHOD OF CHARGING STATION OF E-VEHICLES USING SOLAR ENERGY	RAKSHITHA R RAMYA R RAMYA V S S NEHA Prof. HARIPRASAD T L	Filed
24	202341035023					Filed
25	202341031436			SYSTEM, METHOD AND DESIGN OF IOT BASED SMART HOME APPLIANCE	SHASHIKALA S SHRUTHI N SINDHU S VARSHITHA K M Prof. SHEN RACHNA	Filed
26	202341030355	2023-04-27		SYSTEM, METHOD AND DESIGN OF IOT BASED HEALTH AND LOCATION MONITORING SYSTEM FOR SOLDIERS USING ARDUINO	MOHITH B H RANJITH KUMAR V RAVINDRANATH C V REVANTH C M Prof. JAYAPRAKASH S	Filed
27	202341030346	2023-04-27		SYSTEM, METHOD AND DESIGN OF MEDIVEND (MEDICINE VENDING MACHINE)	ABDUL KASEER R K B S NITISH KUMAR BHUVAN B S NIKHIL N Prof. JENITA SUBASH	Filed
28	202341030352	2023-04-27		SYSTEM AND METHOD OF DETECTING THE SOUND AND VIBRATIONS IN MINING BY USING IOT DEVICES	G VENKATESWARA RAJU N GNANESH KUMAR REDDY N AMARNANTH REDDY RAJESH D Prof. CHETAN NAIK J	Filed

Department of Electronics and Communication Engineering

29	202341030354			SYSTEM AND METHOD OF ANALYTICAL MODELING AND SIMULATION OF LOW POWER SALIENT SOURCE DOUBLE GATE TFET	SANDEEP SHIRAMAI GOUTAM V TARUN P D VINAY K Dr USHA CHENNOJI	Filed
30	202341030344	2023-04-27		SYSTEM, METHOD AND DESIGN OF FIRE FIGHTER ROBOT	B SAHITHI VEENA CHALLA KAVITHA RANJITHA H N S VARSHA REDDY Prof. M ROOPA	Filed
31	202341030353	2023-04-20		SYSTEM, METHOD AND DESIGN OF ARDUINO BASED AUTOMATIC PLANT IRRIGATION SYSTEM	NISHANTH H PRIYA R SHRAYANKA S SINDHU B R Prof. SHYAM SUNDAR V	Filed
32	202341028712	2023-04-20		SYSTEM, METHOD, DESIGN AND CHARACTERIZATION OF LESS COMPLEX DOUBLE U-SLOT MICROSTRIP ANTENNA FOR WIRELESS COMMUNICATION	ABHILASH GOUD CHETAN GAJENDRA HARSHITHA S Prof LOKESHA A M	Filed

Department of Electronics and Communication Engineering

33	202341028716			SYSTEM AND METHOD OF LICENSE PLATE DETECTION	SARVAGYA KUMARI V SHUCHIRATH GOWDA R TUSHAR YADAV SNEHA G Prof. JENITA SUBASH	Filed
34	202341028720	2023-04-20		SYSTEM AND METHOD OF SURVEILLANCE DRONE	NAMRATA J P MAMTHA D A PADMASHREE P NISHANT M P Dr SHIVANAND	Filed
35	202341028711	2023-04-20		SYSTEM AND METHOD OF SMART PHONE OPERATED MULTIPURPOSE AGRICULTURAL ROBOT USING IOT	L A CHARAN LOKESH ADIRAJ E U VENKAT VAMSI WASIQUE ABRAR Prof. JAYAPRAKASH S	Filed
36	202341028710	2023-04-20		SYSTEM, METHOD AND DESIGN OF OBSTACLE AVOIDANCE ROBOTIC VEHICLE		Filed
37	TEMP/E- 1/40291/2023- CHE			SYSTEM, METHOD AND DESIGN OF VOICE AND GESTURE CONTROLLED WHEEL CHAIR	A AKSHARA DUSHYANTH B R P PRASAD REDDY Y CHARAN KUMAR Dr. SUDHA M S	Filed
38	TEMP/E- 1/40290/2023- CHE			SYSTEM AND METHOD OF DIGITAL JEWELLERY DESIGN	B SAI CHARDRA SEKHAR KARTHIK B N MANOJ B Prof. CHETAN NAIK	Filed

Department of Electronics and Communication Engineering

39	202241075393	26/12/2022		SYSTEM AND METHOD OF WI-FI CONTROLLED ROBOTIC CAR	NAVNEETH Y ROHIT GUPTA ROHIT T GOWTHAM R Prof. SHIVAPANCHAKSHARI T G	Published
40	202241075395	26/12/2022		SMART FARMING SYSTEM FOR EFFICIENT CROPS	Chaithra S	Published
41	202241075396	26/12/2022		CARBON DIOXIDE AS A FUEL FOR VEHICLES	Shreyas N Kulal, Prof. Jayaprakash S, Prof. Chetan Naik J, Dr. Girish H, Dr. Usha C, Prof. Shivapanchakshari T G	Published
42	202241075397	26/12/2022		PRESSURE COOKER WHISTLE DETECTOR	K N Harishanka, Prof. Jayaprakash S, Prof. Chetan Naik J, Dr. Girish H, Dr. Usha C, Prof. Shivapanchakshari T G	Published
43	202241075398	26/12/2022		AI BASED AUTONOMOUS WASTE DISPENSER FOR SMART CITIES	Raghunatha Reddy M.V., Chaithra S	Published
44	202241075399	26/12/2022		CARBON DIOXIDE AS A FUEL FOR VEHICLES	Rachana N S, Prof. Jayaprakash S, Prof. Chetan Naik J, Dr. Girish H, Dr. Usha C, Prof. Shivapanchakshari T G	Published

Department of Electronics and Communication Engineering

45	202241075400	26/12/2022		Text Language Translation through Spectacles using AR Technology	R. Dharshini, Prof. Jayaprakash S, Prof. Chetan Naik J, Dr. Girish H, Dr. Usha C, Prof. Shivapanchakshari T G	Published
46	202241075401	26/12/2022	26/12/2022	ACCIDENT DETECTION AND ALERT SYSTEM	Shyam Sundar V, Prof. Jayaprakash S, Prof. Chetan Naik J, Dr. Girish H, Dr. Usha C, Prof. Shivapanchakshari T G	Published
47	202241075402	26/12/2022	26/12/2022	FACTORY INVENTORY AUTOMATION USING INDUSTRY 4.0 TECHNOLOGIES	Sehaj Kaur Behl, Prof. Jayaprakash S, Prof. Chetan Naik J, Dr. Girish H, Dr. Usha C, Prof. Shivapanchakshari T G	Published
48	202241075403	26/12/2022	26/12/2022	Articulated Robotic Arm	Sneh Rachna, Prof. Jayaprakash S, Prof. Chetan Naik J, Dr. Girish H, Dr. Usha C, Prof. Shivapanchakshari T G	Published
49	202241075404	26/12/2022	26/12/2022	HAND GESTURE RECOGNITION- CONTROLLED GAMING	Shyam Sundar V, Prof. Jayaprakash S, Prof. Chetan Naik J, Dr. Girish H, Dr. Usha C, Prof. Shivapanchakshari T G	Published

Department of Electronics and Communication Engineering

50	202241075406	26/12/2022	26/12/2022	WEARABLE VITAL HEALTH MONITOR	Prof.Ravi kumar M, Dr. Girish H, Prof. Shivapanchakshari T G	Published
51	202241075154	24/12/2022	24/12/2022	AUTOMATIC DETECTION AND NOTIFICATION OF POTHOLE AND HUMPS ON ROADS TO AID DRIVERS	Prof.Veerappa S C, Dr. Girish H	Published
52	202241076030	27/12/2022	27/12/2022	IOT BASED SMART POWER MANAGEMENT SYSTEM USING WSN	Prof. Lokesh A M, Prof. Jayaprakash S, Prof. Chetan Naik J, Dr. Girish H, Dr. Usha C, Prof. Shivapanchakshari T G	Published
53	202241076046	28/12/2022		LDR BASED REAL-TIME SUN TRACKING SOLAR PANEL	Hariprasad T L, Dr. Girish H	Published
54	202241075153	24/12/2022	24/12/2022	Women's safety and Empowerment App using SOS signal and BOT messages Namma Mahileyara Rakshane	Harshavardhan M, Prof. Jayaprakash S, Prof. Chetan Naik J, Dr. Girish H, Dr. Usha C, Prof. Shivapanchakshari T G	Published
55	202241077275	30/12/2023	30/12/2023	IOT BASED SIGN LANGUAGE RECOGNITION AND TRANSLATION	Nagabooshan, Manoj, Prof. Jenita Subash, Dr. Girish H, Prof. Shivapanchakshari T G, Dr. Indumathi G	Published

Department of Electronics and Communication Engineering

56	202241077274	30/12/2024	30/12/2024	OFFLINE ADVERTISING APPLICATION	Surendra Reddy B, Prof. Jayaprakash S, Prof. Chetan Naik J, Dr. Girish H, Dr. Usha C, Prof. Shivapanchakshari T G	Published
57	202241077273	30/12/2025	30/12/2025	Online shopping Application for Local shopkeepers (Quicky)	SAM A I, Deepa K, Prof. Jayaprakash S, Prof. Chetan Naik J, Dr. Girish H, Dr. Usha C, Prof. Shivapanchakshari T G	Published
58	202241076975	29/12/2022	29/12/2022	Reduce deterioration of sucrose level in Sugarcane using E coil bacteria	Chandan K Singh, Prof. Jayaprakash S, Prof. Chetan Naik J, Dr. Girish H, Dr. Usha C, Prof. Shivapanchakshari T G	Published
59	202341000009	31/12/2022	31/12/2022	A Search Optimization Based Predictive Approach (SOPA) for Controlling Stabilization Issue in FinFET Based SRAM	Dr. Girish H, Dr. Shashikumar D R, Dr. Cyril Prasanna Raj P, Prof. Shivapanchakshari T G, Dr. Indumathi G	Published
60	202341001663	01-06- 2023	01-06-2023	A METHOD FOR IMAGE COMPRESSION COMBINING DTCWT AND NEURAL NETWORK SCHEMES	Cyril Prasanna Raj P, Rakshith N R, Girish H., Sujatha Cyril, Indumathi G	Published

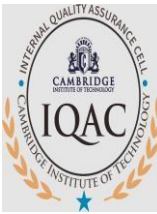


CAMBRIDGE INSTITUTE OF TECHNOLOGY

K.R. PURAM, BANGALORE – 560 036, Ph: 080-2561 8798 / 2561 8799

Fax: 080-2561 8789, email: principal@cambridge.edu.in

Affiliated to VTU|Approved by AICTE|NAAC & NBA Accredited|An ISO9001:2015 Certified Institute



Department of Electronics and Communication Engineering

61	202341001661	01-06-2023	01-06-2023	VOCAL EYES GAZE COMMUNICATION SYSTEM	Ravikumar M, Dr. Girish H Prof. Shivapanchakshari T G, Dr. Indumathi G	Published
----	--------------	------------	------------	--------------------------------------	--	-----------