

Department: Computer Science and 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	Foodflare : An Indoor Navigation System	Dr. Varalatchoumy	2023	Rs.5000.00	VTU
2	IOT based smart waste management and alerting system using Arduino board	Prof. Shubhashini R	2023	Rs.5000.00	VTU
3	Samsung Prism Dashboard Design (Admin Panel)	Prof. Yashaswini S, Prof. Vimala Devi	2021-22	Rs.66,600	Samsung Research Institute, Bangalore
4	English- Kannada Code-switched Spoken Language Identification	Dr.Shashikumar, Prof.Preethi	2021-22	Rs.66,600	Samsung Research Institute, Bangalore
5	Hindi NLU & ASR model for Rasa using Spacy, Fast Text, Jarvis	Prof.Jayanthi	2021-22	Rs.66,600	Samsung Research Institute, Bangalore
6	Kannada NLU & ASR model for Rasa using Spacy, Fast Text, Jarvis	Prof. Sandeep Kumar, Prof. Janardhan Singh	2021-22	Rs.66,600	Samsung Research Institute, Bangalore
7	Smart-Home Mobile Application	Dr. Jayanthi M G	2021-22	Rs.60,000	Weinkling Autovity Pvt Ltd. (IOT devices)
8	Validot-Covid Access Control System	Dr. Jayanthi M G	2021-22	Rs.18,000	Weinkling Autovity Pvt Ltd. (IOT devices)

Department: Computer Science and Engineering.

9	Luna, The Answering Doll	Dr. D. Antony Louis Piriya Kumar, Dr. Josephine Prem Kumar	2021-22	Rs.17,910	Cambridge Institute of Technology
10	Automatic Touch Free Sanitizer Dispenser	Prof Jayanthi M.G, Prof. Janardhan Singh	2020-21	Rs.1500	Cambridge Institute of Technology
11	Non-contact temperature detection system	Dr. Varalatchoumy M, Geetha P., Rajesh Kumar	2020-21	Rs.22949	Cambridge Institute of Technology
12	Short Term Training Program under AQIS	Dr. Shashikumar D.R.	2020-21	Rs.373267	AICTE
13	Samsung Project	Prof. Jayanthi, Prof. Geetha	2020-21	Rs.111000	Samsung
14	Skycooling-Phase 1	Dr. Antony Louis Piriya Kumar	2020-21	Rs.340366.28	Climate ETC Technology Services Private Limited
15	Skycooling-Phase 2	Dr. Antony Louis Piriya Kumar	2020-21	Rs.500000	Climate ETC Technology Services Private Limited
16	Fumigator	Dr. Antony Louis Piriya Kumar	2020-21	Rs.120000	Cambridge Institute of Technology
17	Air Written digit Recognition Control of Devices Using Machine Learning Techniques	Dr. Varalatchoumy M, Prof. Ganesh D.R.	2019-20	Rs.4500	KSCST
18	Disinfection tunnel	Dr. Antony Louis Piriya Kumar	2019-20	Rs.1.5 lakhs	Cambridge Institute of Technology

Department: Computer Science and Engineering.

19	FDP on Machine Learning Lab	Dr. Shashikumar D.R.	2018-19	Rs.25000	VTU
20	Design and Development of Customised Billing and Invocing software	Dr. Vasanthakumar	2018-19	Rs.17700	MICRO EXPRESSIONS
21	Design and development of Efficient Cost Saving Algorithm for Guiding Customer Purchasing Patterns in Modern Consumerism Scenario by using Feed Forward Back Propagation Networks	Prof. Sonia Maria Dsouza	2017-18	Rs.4000	KSCST
22	Efficient Medical Record Management and Consultation System	Dr. K. Satyanarayan Reddy, Prof Jayanthi M.G	2016 August	Rs.3000	KSCST
23	Identifying the amount of fertilization required for Rice crops using Image Processing system to increase the yield.	Dr. Shashikumar D R, Prof. Jayanthi M.G	2016 August	Rs.3000	KSCST

Department: Computer Science and Engineering.

LIST OF PATENTS

Sl. No.	Application No.	Date Applied	Date Published	Title	Authors	Status
1	201741016846	12-05-2017	19-05-2017	A portable heating article	Dr. Suresh L, Dr. Indumathi G, Dr. Shashikumar D.R.	Published
2	202041008020 A	25-02-2020	06-03-2020	Design of health care network architecture for dissemination of E-health records using blockchain technology	Dr. S.Geetha, Mrs. R. Geetha, Mrs. Girija V., Mrs. Teena K.B., ...	Published
3	202141009102	04-03-2021	12-03-2021	AUTOMATED HUMP AND POTHOLE DETECTION ANDREPORTING TOOL FROM IN VEHICLE IOT CONNECTED CAMERAAND SENSORS	Dr. Kavitha K.S., Ms. Vimaladevi J.	Published
4	202131014648	30-03-2021	09-04-2021	IOT BASED PANDEMIC RELATED SMART ROOM DISINFECTING SYSTEM	Dr Suresh Kumar Agarwal, Dr. Bhagyashree Ambore,	Published
5	202141018779 A	23-04-2021	30-04-2021	An Artificial Intelligence based automated medical chatbot system for preliminary medical data enquiry using question and answer model	Dr. Ramesh Kumar, Ms. V. Girija,	Published
6	202141022214	18-05-2021	11-06-2021	Machine Learning Based EEG Signal Processing for Smart Patient Monitoring System	Rajesh Kumar S, Dr. Ganesh Kumar, Dr. Suresh L	Published
7	202141029983	04-07-2021	16-07-2021	High Resolution Remote Sensing Imagery Road Extraction Using Deep Learning	Dr. Bhagyashree Ambore, Rajesh Kumar S., Praveen N., Kavya T.C., Rashmi D.	Published

Department: Computer Science and Engineering.

8	202141034677	02-08-2021	06-08-2021	An IOT and wireless sensor network based secure data communication for health sector	Dr.Ganesh, Mr.Chitambarat hanu, Dr.Varalatchoumy, Mr.Sreenidhi, Dr.Chetan L S	Published
9	202141038612	26-08-2021	15-10-2021	METHOD AND SYSTEM FOR GENERATING COLOUR QUICK RESPONSE CODE	Dr. D.Antony Louis Piriya Kumar	Published
10	202141040831	08-09-2021	24-09-2021	IOT Based Enhanced Hybrid Mobile Mesh ADOV wireless Network for Rebroadcasting of Data Packets	Dr.Ganesh, Mr.Chitambarat hanu, Dr.Varalatchoumy, Dr.S.Srividhya	Published
11	202141048433 A	24-10-2021	29-10-2021	IOT and Wireless Based Intelligent Evehicle with Self Power Generating Optimal Power Mangement	Dr.Ganesh, Mr.Chitambarat hanu, Dr.Varalatchoumy, Dr.S.Srividhya, Mrs.Sonia Maria D'souza, Dr.Komala C R	Published
12	352193-001	28-10-2021		A Wearable Electronic Device with Camera	Dr. Ambika R, Kalpavi C Y, Rakesh V S, Bhavana P	Applied
13	202141049918	31-10-2021	21-01-2022	Recognition and Classification of Indian Medicinal Leaves and Tulasi Plants Using Convolution Neural Network for Feature Learning and Weighted Kernel Sparse Representation as Classifier	Prof. Pankaja K., Dr. Suma V., Dr. Deshpande D.L., Dr. Manisha Tapale	Published
14	202141051331	09-11-2021	26-12-2021	SYSTEM FOR EARLY DETECTION OF TYPES AND STAGES OF BREASTCANCER	Dr.Varalatchoumy M et al	Published

Department: Computer Science and Engineering.

15	202141056821	07-12-2021	10-12-2021	Image Segmentation of Brain Tumors in 3D using Deep Learning	Dr. Varalatchoumy. M, Dr. Ganesh D R, Kisalaya Chakrabarti, Ravi Shankar, Dr. Mahendra Pratap Swain, Dr. HAKKIM DEVAN MYDEEN, Dr swati sah, Anand Kumar	Published
16	355535-001	26-12-2021		A Wall Climbing Robot	Rakesh V S, Pavan Mulgund, Praveen Kumar R, Nayana K C	Applied
17	202241007181	10-02-2022	18-02-2022	Medical Data Security Using Cryptography with Wireless Network Environment	Dr. Shashikumar D.R., Mr. Krishnakumar N.J., Dr. B. Srinivasa Rao	Published
18	202241021405	15-02-2022		Approach for Deploying the Hybrid Cloud in Diverse Open-Source Tools	Prof. Sharavana Kanniyappan, Dr. Josephine Prem Kumar	Applied
19	202241008818	20-02-2022	04-03-2022	AI and ML based Plant Leaf Disease Classification for Crop Yield Enhancement	Dr. Shashikumar D.R., Ms. Jayanthi M.G., Ms. Preethi S.	Published
20	202241017477	26-03-2022	01-04-2022	AI and IOT enabled enery efficient allocation of virtual Machines in Cloud data centres	Manjunatha S, Sandeep Kumar, Janardhan Singh K, Ganga D Benal	Applied
21	202241027201 A	11-05-2022	17-06-2022	Predicting autonomous vehicle behaviour using computer vision and a cloud-based web service	Dr. S. Geetha, R. Geetha, K.B. Teena, Ms. Priyanka R., ...	Published

Department: Computer Science and Engineering.

22	202241027286	12-05-2022	27-05-2022	An innovation identification for genetic expression of complex diseases using artificial intelligence based machine	Dr. M. Ramkumar, Ms. Sonia Maria D'Souza, Ms. V. Girija, ...	Published
23	202241030705 A	28/05/2022	17/06/2022	IOT AND AI-BASED AUTOMATED TOLL GATE TAX COLLECTION SYSTEM AND ENHANCE THE FAST-MOVING OF EMERGENCY VEHICLE TO SAVE PATIENTS USING CLOUD DATABASE	Dr J Prasanth Kumar Address of Applicant 2)Dr. Brijesh Sathian 3)Dr. Varalatcho umy. M 4)Shalet Benvin 5)Afsha Firdose 6)Dr.R.Saravana Moorthy 7)Dr.S.Angel 8)Dr Harishchander Anandaram	Published
24	202241053960	21-09-2022	30-09-2022	An Empirical Approach of Performance and Energy-Aware Scheduling [PEAS] Mechanism in the HPC-Cloud Model	Prof. Sharavana Kanniyappan, Dr. Josephine Prem Kumar	Published
25	202241068666	29-11-2022	02-12-2022	Smart Renewable Energy Management for Future smart cities using AI and IoT	Prof. Rakesh V.S., Prof. Bhavana P. Prof. Pushpanathan G. Prof. Praveen Kumar R	Published

Department: Computer Science and Engineering.

26	202221077259 A	30-12-2022	13-01-2023	FUTURE EVOLUTION OF ARTIFICIAL INTELLIGENCE ENABLED INTERNET OF THINGS IN FINANCE AND ECONOMIC INDUSTRY, AGRICULTURE INNOVATION AND FOOD INDUSTRY	Dr. Nilima Rajaram Mirajkar,Dr. Varalatchoumy M ,Dr. SaurabhMitra ,Dr. Jayati Chatterjee Mitra ,Dr. S. Perumal, Dr RenukaSnehalNi fadkar Dr. Mukesh Kumar,Ajay Kumar Yadav,Dr. Rajesh Bhaskar Survase ,Dr. Deepak Janardhan Gadekar	Published
27	202341000002	01-01-2023	13-01-2023	Food processing and quality assurance using AI and ML	Dr. Josephine Prem Kumar, Mr. Rajesh Kumar S, Mrs. Yashaswini S, Mr. Praveen N, Mrs. Pushplata Dubey, Mrs. Subhashini R	Published
28	202341000616 A	04-01-2023	13/01/2023	IOT Enabled smart cloth dryer stand	Dr. Varalatchoumy M 2)Mr. Rakesh V S 3)Mrs. Sudha V 4)Mrs. Bhavana P 5)Mr. Pushpanathan 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: Computer Science and Engineering.

29	202341001629 A	08-01-2023	13/01/2023	Design of Fully automatic cooker whistle counter device	Dr. Varalatchoumy M 2)Mr. Rakesh V S 3)Mrs. Sudha V 4)Mr. Manjunatha S 5)Ms. Ganga D Benal 6)K N Harishankar	Published
30	202341009152 A	11-02-2023	17/02/2023	WIRELESS SENSOR NETWORK BASED SMART AMBULANCE SYSTEM	Dr. Ganesh D R Mr. Arun Kumar S Dr. Varalatchoumy M	Published
31	202341011071	18-02-2023	17-03-2023	Women Safety Device Using Artificial Intelligence	Mrs. Vasantha M, Mrs. Vijayalaxmi Yalavigi, Mr. Sudarsanan D, Mr. Shivakumar M	Published
31	202341011071	18-02-2023	17-03-2023	Women Safety Device Using Artificial Intelligence	Mrs. Vasantha M, Mrs. Vijayalaxmi Yalavigi, Mr. Sudarsanan D, Mr. Shivakumar M	Published