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R&D PROJECTS

CAMBRIDGE
INSTITUTE OF TECHNOLOGY

External Sponsored Projects

Sl No.	Year	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-Investigator	Year of Award	Amount Sanctioned	Name of the Funding Agency
1	2023	Design and Development of ground Penetrating Radar with on field reconfiguration capability applicable to sustainable Industrial and Agricultural Purposes	Dr. G Indumathi, Dr. Cyril Prasanna, Dr. Girish	18-May	₹ 4,94,00,000/-	Chips to Startup (C2S) under Minstry of Electronics and Information Technology(MeitY) Govt. of India
2	2023	Bioplastics with Nano Fillers fro sustainable food packaging	Dr. Sudha Joseph, Dr. Ravishankar	10-Feb	₹ 4,24,000/-	Karnataka state council for science and Technology (KSCST), Bangalore
3	2023	Nano Composites for Naval Engineering	Dr. Ravi shankar	02-May	₹2,00,000/-	KSTEPS, Govt. of Karnataka, Bangalore
4	2022	Smart system for fabric defect detection	Dr. Cyril Prasanna & Amos Ramesh	22-May	₹ 10,00,000/-	DST-NIDHI-PRAYAS
5	2022	Ultrasonic impact test machine Phase II	Dr. Shankar	22-May	₹ 50,00,000/-	DSIR-PRISM
6	2022	AICTE Idea Lab	Dr. Shankar & Dr. Cyril Pasanna	22-Mar	₹ 1,10,00,000/-	AICTE
7	2021	Hyper spectral Image Compression	Dr. Cyril Prasanna	21-Sep	₹ 30,00,000/-	ISRO-RESPOND
8	2021	Real Time Virtual Lab	Dr. Cyril Prasanna	21-Feb	₹ 10,00,000/-	VGST – CISEE
9	2021	HIIT equipment for NCD	Dr. Cyril Prasanna & Dr. Indumathi	22-Mar	₹ 12,00,000/-	VTU – RPS
10	2021	Depth of Anesthesia	Dr. Cyril Prasanna & Pooja P	22-Mar	₹ 10,00,000/-	DST-NIDHI-Prayas
11	2020	Short Term Training Program under AQIS	Dr. Shashikumar D.R.	2020-21	₹ 3,73,267/-	AICTE

12	2020	Samsung Project	Prof. Jayanthi, Prof. Geetha	2020-21	₹ 1,11,000/-	Samsung
13	2020	FPGA ENABLED CNN ARCHITECTURE FOR HYPER SPECTRAL IMAGE COMPRESSION	Dr. Cyril Prasanna Raj P.	2020-21	₹ 30,19,200/-	ISRO-RESPOND
14	2020	A Portable Heating Article	Dr. Indumathi G Prof. Shivapanchakshari T G	2020-21	—	Allinnov Research and Development Private Limited
15	2019	Air Written digit Recognition Control of Devices Using Machine Learning Techniques	Prof. Varalatchoumy M, Prof. Ganesd D.R.	19-2020	₹ 4,500/-	KSCST
16	2018	FDP on Machine Learning Lab	Dr. Shashikumar D.R.	2018-19	₹ 25,000/-	VTU
17	2018	Design and Development of Customised Billing and Invoicing software	Dr. Vasanthakumar	2018-19	₹ 17,700/-	MICRO EXPRESSIONS
18	2017	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	₹ 4,000/-	KSCST
19	2017	Treatment of leachate using low cost materials	Prof. Rashmishree K N	2017-18	₹ 6,000/-	KSCST, IISC Campus,
20	2016	Identifying the amount of fertilization required for Rice crops using Image Processing system to increase the yield.	Prof Jayanthi M.G	2016 August	₹ 3,000/-	KSCST

Internal Sponsored Projects

SI No.	Year	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co- Investigator	Year of Award	Amount Sanctioned	Name of the Funding Agency
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1	2020	Automatic Touch Free Sanitizer Dispenser	Prof Jayanthi M.G, Prof. Janardhan Singh	2020-21	₹ 1,500/-	Cambridge Institute Of Technology
2	2020	Non-Contact Temperature Detection System	Dr. Varalatchoumy M, Geetha P., Rajesh Kumar	2020-21	₹ 20,000/-	Cambridge Institute Of Technology
3	2020	Experimental Evaluation On Usage Of HDPE Materials In Making Building Blocks.	Mr. Shadman Rizvi	2020-21	₹ 5,000/-	CIT, Bangalore
4	2020	Sustainable Development Of Eco-Friendly Green Concrete Using Flyash As A Binder Material	Mr. Abhishek	2020-21	₹ 3,000/-	CIT, Bangalore
5	2020	Quick Pothole Fixer	Mr. Madhan Kumar	2020-21	₹ 2,000/-	CIT, Bangalore
6	2019	Removal Of Heavy Metals From Water By Using Natural Adsorbents	Mr. Lokesh Sharma	2019-20	₹ 5,000/-	CIT, Bangalore
7	2019	Estimation Of Strength Of Reactive Powder Concrete Subjected To Sulphate Attack	Ms. Shilpa	2019-20	₹ 3,000/-	CIT, Bangalore
8	2019	Synthesis Of Green Nano Particles To Treat Industrial Waste	Mr. Harshith Gowda	2019-20	₹ 2,000/-	CIT, Bangalore
9	2018	Negative Pressure Solar Desalination	Mrs. Megha K S	2018-19	₹ 5,000/-	CIT, Bangalore

10	2018	Stabilization Of Soil Using Teraazyme	Mr. Arvind Raj L	2018-19	₹ 3,000/-	CIT, Bangalore
11	2018	Treatment Of Waste Water And Generation Of Electricity By Using Microbial Fuel Cells	Ms. Yeshodha N H	2018-19	₹ 2,000/-	CIT, Bangalore
12	2017	Treatment Of Leachate Using Low Cost Materials	Ms. Bindu	2017-18	₹ 5,000/-	CIT, Bangalore
13	2017	Performance Evaluation Review Of A Multistoreyed Building Using CPM And BIM	Mr. Varun S	2017-18	₹ 3,000/-	CIT, Bangalore
14	2017	Comparitive Study On Partial Replacement Of Cement By GGBS In Ferrocement	Mrs. Divya G R	2017-18	₹ 2,000/-	CIT, Bangalore