



A J INSTITUTE OF ENGINEERING AND TECHNOLOGY

NH-66, Kottara Chowki, Mangaluru -575006, Karnataka, INDIA

A Unit of Laxmi Memorial Education Trust®

(Approved by AICTE, New Delhi. Affiliated to Visveswaraya Technological University, Belagavi)

Accredited by NBA (BE: CV, CSE, ECE, ISE, ME)

**Total Grants from Government and non-governmental agencies for research projects / endowments
in the institution during the last five years (INR in Lakhs)**

Year	2023-24	2022-23	2021-22	2020-21	2019-20
Number	3.340	8.105	6.570	3.545	3.075

SL NO	Name of the research project/ endowment	Year of Award	Amount Sanctioned in Lakhs	Name of the Funding Agency
1.	Advancing Throat Disease Detection through Video Laryngoscopy	2023-24	1	UNDP
2.	Empowering Farmers through Shared Resources and Sustainable Agricultural Practices with Veg Shell Community	2023-24	1	UNDP
3.	Empowering Deaf and Mute Communication through AI Driven Translation and Community Building	2023-24	1	UNDP
4.	Hand to Heart: AI-Driven Translation System	2023-24	0.05	KSCST
5.	360-Degree Feedback Software for the Government Press Information Bureau (PIB) Using Artificial Intelligence and Machine Learning	2023-24	0.05	KSCST
6.	AI Assisted Distracted Driver Detection System	2023-24	0.05	KSCST
7.	Energy Efficient Street Lightening With Real Time Data Monitoring	2023-24	0.055	KSCST
8.	Enhancing Road Safety with Machine Learning-Based Pothole Detection	2023-24	0.04	KSCST
9.	Machine Learning for Early Stage Autism Detection	2023-24	0.04	KSCST
10.	Effect of Cardanol Blending on the Performance, Emission,	2023-24	0.055	KSCST



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	Compustion & Cycle to Cyle Variation Charecteristics of Single Cylinder CI Engine with Oxygen Enrichment			
11.	Low Cost Spirometer	2022-23	0.4	UNDP
12.	Pre-Plastered Concrete Block	2022-23	0.4	UNDP
13.	BIO and NON-BIO waste segregator	2022-23	0.05	KSCST
14.	Application of Geopolymer in Dome Structures	2022-23	0.05	
15.	Investigation On Performance Enhancement Of Photovoltaic-Thermoelectric Integrated System	2022-23	0.08	
16.	Textify - Lip Reading to Text for Dumb and Deaf people	2022-23	0.05	
17.	Low Cost Smart Spirometer	2022-23	0.05	
18.	BILIRUBINOMETER	2022-23	0.05	
19.	Evaluation of Metal Contamination Risk of Ground and Surface Water Near Municipal Solid Waste Duping Site Area Mangalore: Overview Of Pollution Indices With Risk Assessment And Application Of Low Cost Water Filter.	2022-23	0.5	KSCST-FPP
20.	Materials Today Proceedings GC-RASM 2022	2022-23	4.225	DILIGENTEC SOLUTIONS
21.	2 Days Training Program on Go-Kart Design and Development	2022-23	0.35	ISIEINDIA, UttarPradesh, India.
22.	Electronic Conference Proceedings in IOP-MSE of GC-RDCT 2022	2022-23	1.9	DILIGENTEC SOLUTIONS



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23.	Esperanza-IOT Buddy@Home	2021-22	0.06	KSCST	
24.	Low cost sensor based kit to detect the ghg gas emissions from sewage and industrial effluents in mangalore and public awareness survey of the same	2021-22	0.07		
25.	Strength evaluation of steel plate girder using Staad pro	2021-22	0.04		
26.	Evaluation of physiochemical characteristics and metal contamination risk in nethravathi and gurupura river basin : Overview of pollution indices with risk assessment and application of low-cost water filter.	2021-22	0.07		
27.	A novel plastic waste management system to control Air-pollution	2021-22	0.07		
28.	Fire Extinguisher using sound waves	2021-22	0.075		
29.	Production of fuel from waste plastic material through injection moulding process	2021-22	0.1		
30.	Image regeneration for old damaged reel picture	2021-22	0.045		
31.	Chronic disease prediction after covid-19 using machine learning	2021-22	0.03		
32.	Breast cancer histopathology image classification using machine learning	2021-22	0.05		
33.	Object Detection based Garbage Collection Robot	2021-22	0.06		
34.	Materials Today Proceedings of GC-RASM 2021	2021-22	3.5		DILIGENTEC SOLUTIONS
35.	Electronic Conference Proceedings in IOP-MSE of GC-RDCT 2021	2021-22	1.9		DILIGENTEC SOLUTIONS
36.	Smart Wheel Chair	2021-22	0.05	VTU Innovative Grant	
37.	Low cost sensor based kit to detect the GHG gas emissions from sewage and industrial effluents in mangalore and public awareness survey of the same	2021-22	0.05		



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38.	Water quality analysis around AJIET campus	2021-22	0.05	
39.	Low cost Prosthetic Arm	2021-22	0.05	
40.	E- Voting System using Blockchain technology	2021-22	0.05	
41.	Detection and classification of brain tumor with MRI scan using deep learning	2021-22	0.05	
42.	Android App for Dairy Farmers	2021-22	0.05	
43.	Sign Language Recognition	2021-22	0.05	
44.	Electricity generation from hydrodynamic behaviour of floating substances in directional seas	2021-22	0.05	VTU Innovative Grant
45.	Experimental and Computational analysis of Co-centric tube heat exchanger with pin-fin	2021-22	0.05	
46.	Medical Aid Kit	2020-21	0.05	
47.	Learning Alphabets and Numbers from Gesture Recognition for Visual Impaired Children	2020-21	0.05	
48.	Design of Eco friendly waste water treatment process by using constructed soil filter.	2020-21	0.05	
49.	Role of lake water reuse in sustainable development of city	2020-21	0.05	
50.	Solar refrigeration using vapour adsorption cycle	2020- 21	0.05	
51.	Design and fabrication of shredder machine for recycling of Polyethylene terephthalate (PET) waste	2020- 21	0.05	
52.	Smart Cane for Visually impaired	2020-21	0.05	
53.	Smart Menstrual Cup	2020-21	0.05	
54.	Women safety app	2020-21	0.05	
55.	Covid detection using deep learning	2020-21	0.05	
56.	Homato	2020-21	0.1	
57.	Sustainable and safe reuse of municipal sewage sludge for phosphorous recovery - A study on	2020-21	0.06	KSCST



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	Mangalore Municipal Sewage Sludge			
58.	Geopolymer Concrete using Flyash and GGBS	2020-21	0.05	
59.	Performance Combustion and Emission Characteristics Of Single Cylinder CI Engine With WCO Biodiesel And Nanoparticles With Oxygen Enrichment Process	2020- 21	0.06	
60.	Mechanical Pocket Manuring	2020- 21	0.05	
61.	Automatic Solar Powered Railway Track Crack Detecting Vehicle	2020- 21	0.05	
62.	Automated Drain Cleaning Machine	2020- 21	0.07	
63.	Covid detection using deep learning	2020-21	0.025	
64.	Computational Model for the Static Analysis of Steel Composite Plate Girder	2020-21	2.58	VGST
65.	Design and Development of IOT based Smart Door for House Security	2019-20	0.045	
66.	Automated Parking System	2019-20	0.045	
67.	L KART	2019-20	0.045	
68.	A proposed plan for rejuvenate and study of hydraulic response of the Kavoor lake – Mangalore urban	2019-20	0.05	
69.	Assessment of surface and ground water quality near municipal solid waste dumping site area, Vamanjoor, Mangalore, India.	2019-20	0.05	KSCST
70.	Performance, Combustion and Emission Characteristics of Single Cylinder CI Engine With WCO Biodiesel and Nanoparticles	2019-20	0.05	
71.	Automation on conversion of waste into fertilizer using IOT for urban area	2019-20	0.04	
72.	Voice controlled Wheel Chair	2019-20	0.05	
73.	Water Quality Monitoring System using IOT	2019-20	0.05	VTU Innovative Grant



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74.	Kannada Language Sentiment Analysis using baseline and ML	2019-20	0.05	
75.	A proposed plan for rejuvenate and study of hydraulic response of the Kavoor lake – Mangalore urban	2019-20	0.05	
76.	Assessment of surface and ground water quality near municipal solid waste dumping site area, Vamanjoor, Mangalore, India.	2019-20	0.05	
77.	Solid waste management, Title: Design and Fabrication of waste segregator using Delta Robot	2019-20	0.05	
78.	GARUDA – Recon and Attack Drone	2019-20	0.05	
79.	Effective way of conversion of waste into fertilizer using machine learning for Urban Area	2019-20	0.05	
80.	Real-Time hand sign recognition using machine learning for deaf and hearing impaired people	2019-20	0.05	
81.	Voice controlled Wheel Chair	2019-20	0.05	
82.	Leaf Disease detection using Image processing	2019-20	0.05	
83.	Voice controlled Wheel Chair	2019-20	0.2	VTU-AVISHKAR
84.	Fabrication of self -assembled Inorganic Nano patterns for Superior Phtovoltaic Device Applicatons	2019-20	2	VTU/ TEQIP