


3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments in the institution during the last five years (INR in Lakhs)


2021-22							
Name of the research project/ endowment	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
Design and development of concurrent MAC unit using deep learning neural networks	Dr.S.G.Hiremath/Prof.Manjula B B	Dept of ECE	2021-22	1672144	3 years	AICTE	Government
Design of Smart Self Defence Device for Women Safety using Mobile & IOT Applications	Dr. Suresh MB	Dept Of ISE	2021-2022	1325000	2 years	VTU RGS	Government
NaTiO mem: Nanostructured TiON Photocatalytic Membranes for Treating Industrial Waste Water	Dr. Shashishekhar T R & Dr. M S Nagaraja Gupta	Dept Of Civil Engineering	2021-2022	1000000	2 years	VTU, RGS	Government
Fabrication of pneumatic bumper with intelligent reverse braking system	Mrs.Annapooma K	Dept Of Mechanical engineering	2021-22	8000	6 months	KSCST	Government
Study on Flexural Strength of RC Beam Made of Recycled Aggregates from C&D Waste	Dr Nagaraja Gupta M S and Mr Sunny K	Dept Of Civil Engineering	2021-2022	7000	6 months	KSCST, GOK	Government
Implementation of modern healthcare monitoring system using ultrasonic robot for Covid-19 patients	Prof.Manasa S /Ms.Meena B	Dept Of ECE	2021-22	7000	6 months	KSCST	Government
Automatic Tracking of Stray Out Animals from Sancturies & Reserve Forest Using PI & Image Processing	Ms. Mamatha B N/ Mr. Chethan Kumar B H	Dept Of ISE	2021-2022	5000	1 year	KSCST	Government
Fruit Adulteration Detection Using Deep Learning	Mr. Shankar Linge Gowda H S & Mr. Chethan Kumar B H	Dept Of ISE	2021-2022	5000	1 year	KSCST	Government
Safety Monitoring Of Sewage Workers Using IOT & ML	Dr. Suresh M B/ Mrs. Bhavya T	Dept Of ISE	2021-2022	5000	1 year	KSCST	Government
Deep Learning Based Vehicle Rules Violation Detection and accident assistance	Dr.Achyutha Prasad N	Dept Of CSE	2021-22	5000	6 months	KSCST	Government

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Prepaid Electric Energy Meter System	Mrs. Smitha P	Dept Of ISE	2021-2022	5000	1 year	VTU FINACIAL ASSISTANCE	Government
Creating A General Purpose Procedural Language for Programming in Kannada	Mrs Rajeshwari	Dept Of ISE	2021-2022	5000	1 year	VTU FINACIAL ASSISTANCE	Government
Study on Durability Characteristics of Cement Mortar Admixture with Eco-Friendly Nano Materials	Dr. Shashishekar T R	Dept Of Civil Engineering	2021-2022	5000	6 months	VTU FINACIAL ASSISTANCE	Government
Study on Strength of Concrete by Partial Replacement of Conventional Aggregates with Aggregates Obtained from Construction and Demolition	Dr. M S Nagaraja Gupta /Mr. Sunny K	Dept Of Civil Engineering	2021-2022	5000	6 months	VTU FINACIAL ASSISTANCE	Government
A Novel Approach for guarding forest security from dangerous environment using IOT and Deep Learning	Mrs. Chethana Srinivas	Dept Of CSE	2021-2022	5000	6 months	VTU FINACIAL ASSISTANCE	Government
Pupilo Wheelchair Controlled through eye using IOT and AI	Mr. Dhanaraj S	Dept Of CSE	2021-2022	5000	6 months	VTU FINACIAL ASSISTANCE	Government
Embedded Based Smart Bicycle	Mrs. Bhagya	Dept of ECE	2021-2022	5000	6 months	VTU FINACIAL ASSISTANCE	Government
Impementation Of AI Device for "Grama Vikas"	Mr. Kotresh H M	Dept of ECE	2021-2022	5000	6 months	VTU FINACIAL ASSISTANCE	Government
Smart Motorcycle VEST for Accident Prevention	Mrs. Shashikala B N	Dept of EEE	2021-2022	5000	6 months	VTU FINACIAL ASSISTANCE	Government
Self Driven Car using Image Preprocessing and Machine Learning Applications	Mrs. Shashikala B N	Dept of EEE	2021-2022	5000	6 months	VTU FINACIAL ASSISTANCE	Government


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Hybrid Self Driven Vehicle for Physically Disabled Person	Mr. Pradeep M S	Dept Of Mechanical engineering	2021-2022	5000	6 months	VTU FINACIAL ASSISTANCE	Government
Air Braking System using Engine Exhaust Gas	Dr. Punith Gowda K	Dept Of Mechanical engineering	2021-2022	5000	6 months	VTU FINACIAL ASSISTANCE	Government
Quantification of Urea Adulteration with Impedance Spectroscopy in Cow Milk	Mrs.Anjana H S	Dept Of ISE	2021-2022	4000	1 year	KSCST	Government
2020-21							
Name of the research project/ endowment	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
Designing of portable device for determination of heavy metals and in water	Dr. Shashishekhar T R	Dept Of Civil Engineering	2020-2021	3557975	ONGOING	DST, GOI	Government
Modernisation of Advanced digital communication and Embedded system laboratory for UG/PG/Research	Dr.S.G.Hiremath	Dept Of ECE	2020-21	1077000	2 years	AICTE	Government
Aluminium Fuel Cell Technology with effective and efficient design for mobile, stationary and portable applications	Mr. Karthik R	Dept Of Mechanical engineering	2020-2021	8000	6 months	KSCST	Government
Eco-Friendly-Low-Cost Polymer Based Flooring	Dr. Shashishekhar T R	Dept Of Civil Engineering	2020-2021	6000	1 year	KSCST	Government
Design & implementation of a voice controlled multifacted robot	Prof.Bhagya /Mrs.Revathi P	Dept Of ECE	2020-21	6000	6months	KSCST	Government
Development of Electrochemical Sensors for Industrial Applications	Dr. Shashishekhar T R	Dept Of Civil Engineering	2020-2021	6000	1 year	KSCST	Government
Incident Response System Using LORA	Mr Suresh Kumar C	Dept Of ISE	2020-2021	5500	1 year	KSCST	Government


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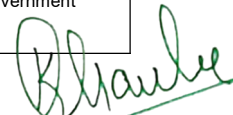
Automatic Messaging System for Vehicle Tracking and Accident Spot Detection	Dr Suresh M B	Dept Of ISE	2020-2021	5000	1 year	KSCST	Government
Android Based Wireless Controller Foe Military Robot In 360 Degree Border Safety	Mr.Hemanth Kumar K	Dept Of ISE	2020-2021	5000	1 year	KSCST	Government
Virtual Assistant for Visually Impaired Using Artificial Intelligence Technology	Mrs. Shruthi T V	Dept Of ISE	2020-2021	5000	1 year	VTU	Government
Design and Impact analysis of Automotive car front bumper made of composite material	Mr. Nithin S K	Dept Of Mechanical engineering	2020-2021	5000	6 months	KSCST	Government
Werable device:sensing and predicting corona virus pandemic	Dr.Narasimha Murthy M S	Dept Of CSE	2020-2021	4500	6 months	KSCST	Government
High Accuracy Phishing Detection Using CNN	Mrs.Sahana M	Dept Of ISE	2020-2021	4500	1 year	KSCST	Government
Research on Decision Support System of E-Commerce Agriculture Products on Block Chain	Mr Chethan Kumar B H	Dept Of ISE	2020-2021	4000	1 year	KSCST	Government
Animal Species Recognition and Using Deep Convolution Neural Network	Mrs.Anjana H S	Dept Of ISE	2020-2021	4000	1 year	KSCST	Government
Experimental Investigation on Mechanical Properties of Interlocking Bricks	Mrs. Shilpa B S	Dept Of Civil Engineering	2020-2021	4000	1 year	KSCST	Government
Research on Decision Support System of E-Commerce Agriculture Products on Block Chain	Mr Chethan Kumar B H	Dept Of ISE	2020-2021	4000	1 year	KSCST	Government
A novel approach for communication among blind,deaf and dumb people	Mrs. Ramya	Dept Of CSE	2020-2021	4000	6 months	KSCST	Government
Face mask detection and temperature screening using AI and IOT	Mrs.Usha M	Dept Of CSE	2020-2021	4000	6 months	KSCST	Government


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Real-time face mask detection using cnn for covid-19	Mrs.Supritha N	Dept Of CSE	2020-2021	3000	6 months	KSCST	Government
An Efficient Solar Energy Harvesting System For Wireless Sensor Nodes	Prof. Anand M	Dept Of ECE	2021	5000.00	1 year	VTU Financial Assistance Scheme	Government
Power Distribution And Maintenance By Using Raspberry Pi3 Board For Smart City	Prof. Arpitha B V	Dept Of ECE	2021	5000.00	1 year	VTU Financial Assistance Scheme	Government
Real Time Face Mask Detection For Covid-19	Prof. Supritha N	Dept Of CSE	2021	5000.00	1 year	VTU Financial Assistance Scheme	Government
Smart Mirror For Smart Lifestyle	Prof. Chetana Srinivas	Dept Of CSE	2021	5000.00	1 year	VTU Financial Assistance Scheme	Government
Aluminum Fuel Cell Technology With Effective And Efficient design For Mobile, Stationary And Portable Applications	Dr. Punith Gowda K	Dept Of Mechanical engineering	2021	5000.00	1 year	VTU Financial Assistance Scheme	Government
Conditional Monitoring Of 4 Stroke IC Engine Using IOT	Prof. Nithin S K	Dept Of Mechanical engineering	2021	5000.00	1 year	VTU Financial Assistance Scheme	Government
The Experimental Study On Photovoltaic Concrete Using Aluminum Foil And Copper Foil	Prof. Kumuda V	Dept Of Civil Engineering	2021	5000.00	1 year	VTU Financial Assistance Scheme	Government
Restoration Of Deteriorated Dasarahalli Lake	Prof. Arun Kumar H R	Dept Of Civil Engineering	2021	5000.00	1 year	VTU Financial Assistance Scheme	Government
Detection Of Trace Heavy Metal Ions By Electrochemical Sensor	Dr. Vijaya Kumar C N	Dept Of EEE	2021	5000.00	1 year	VTU Financial Assistance Scheme	Government
Sign Language Recognition Using Sensor gloves	Prof. Shruthi B J	Dept Of EEE	2021	5000.00	1 year	VTU Financial Assistance Scheme	Government
Wearble Sensing and Tele Health Technology With Potential Application and Corona Virus Pandemic	Mr Chethan Kumar B H	Dept Of ISE	2020-2021	5000.00	1 year	VTU	Government


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2019-20							
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Design and Development of IOT Applications	Dr.S.G.Hiremath	Dept Of ECE	2019-20	317667	4 months	AICTE	Government
Blockchain Technology & its Applications	Mrs. Chetana Srinivas	Dept Of CSE	2019-20	249300	3 months	AICTE	Government
Solar Powered Unmanned Aerial Vehicle (Solar Drone)	Dr.Vijay kumar C.N	Dept Of EEE	2019	30000	6 months	IEI R&D SCHEME	Government
Development of Power Operated Cior Removal Machine	Mr. Puttaswamaiah S	Dept Of Mechanical engineering	2019-2020	5500	6 months	KSCST	Government
Automatic Digital pharmacy	Mrs.Hema C.	Dept Of ECE	2019-20	5000	6 months	KSCST	Government
Green concrete	Ms.Usha K N	Dept Of Civil Engineering	2019	5000	7 months	KSCST, GOK	Government
E waste concrete	Ms.Usha K N	Dept Of Civil Engineering	2019	5000	8 months	KSCST, GOK	Government
Automated waste segregator and crusher	Dr.Vijay kumar C.N /Mr.Girish kumar B.A	Dept Of EEE	2019-20	5000	6 months	KSCST	Government
Movie Piracy Prevention Using Automated Infrared Transmitter Screen	Mr. Sanju D J/Dr. Suresh M B	Dept Of ISE	2019-20	4500	1 year	KSCST	Government
Thermal depolymerisation of plastic to crude oil	Mrs. Annapoorna K	Dept Of Mechanical engineering	2019-2020	4500	5 months	KSCST	Government



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Integrated water resource management for Bengaluru the evergrowing metropolitan	Dr.Radhika KN	Dept Of Civil Engineering	2019	3500	6 months	KSCST, GOK	Government
Scalable Connectivity of IOT Device Fueling the On-Boarding Process Of IOT Device	Mrs.Usha M	Dept Of CSE	2020	3500	6 months	KSCST	Government
Biodegradable paper manufacturing from coconut husk	Mr. Santhosh kumar H N	Dept Of Mechanical engineering	2019-2020	5500	5 months	KSCST	Government

2018-19

Name of the research project/ endowment	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
Grant for Organising Conference	Dr. Prashantha S.C.	Dept Of BSH	2018-2019	200000	1 year	AICTE	Government
Comparative analysis of used and unused edible vegetable oil as bio lubricant	Mr. Pradeep M S	Dept Of Mechanical engineering	2018-2019	8500	6 months	KSCST	Government
Design and Fabrication of a low cost Ragi Dehusking Machine	Mrs. Shwethashree B	Dept Of Mechanical engineering	2018-2019	8000	6 months	KSCST	Government
Finger print based ignition system	Mr. Venkatesh N	Dept Of Mechanical engineering	2018-2019	6000	6 months	KSCST	Government
Soft Biometric Based Distinctiveness of Skin Texture for Forensic Application Through Comparison With Blood Vessels	Mrs. Savitha T/Dr SURESH M B	Dept Of ISE	2018-19	5500	1 year	KSCST	GOVT
V Braille Haptic Braille Perception Using Touch Screen and Vibration on Mobile Phone	Mrs.Manjula G/Dr SURESH M B	Dept Of ISE	2018-19	3500	1 year	KSCST	GOVT

2017-18


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Name of the research project/ endowment	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
"Development of Novel Nanomaterials for Space Based Radiation Detection"	Dr. Prashantha S.C.	Dept Of BSH	2017	2260000	2 years	ISRO	Government
Effect of Municipal solid waste landfilling on water and soil quality in vicinity of dumpsites - A case study of Bangalore and Tumkur Karnataka	Dr. Radhika KN	Dept Of Civil Engineering	2018	500000	1 year	VGST, GOK	Government
Synthesis of Comparative Analysis Of Pongama oil bio lubricant	Mr. Pradeep M S	Dept Of Mechanical engineering	2017-2018	13000	6 months	KSCST	Government
Design and Fabrication of Motor Driven Cattle Dung Mixer for Biogas Plant	Mrs. Shwethashree B	Dept Of Mechanical engineering	2017-2018	8000	6 months	KSCST	Government
Design and Fabrication of Tier Tube to sustain multiple punchers in two wheelers	Mrs. Veejayashri Nagaral	Dept Of Mechanical engineering	2017-2018	7000	6 months	KSCST	Government
Low cost portable striling engine for agriculture use	Mr. Rakshith A. N	Dept Of Mechanical engineering	2017-2018	7000	6 months	KSCST	Government


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