

RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi

Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 3.1.1

Academic Year: 2016-2021



DVV Clarification Report

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

SL.NO	PARTICULARS	PAGE NO.
1	Tabulated List of Grants received for research projects	i - xx
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3	List of Endowment/Project with the details of grant	1 - 168




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3.1.1 Tabulated List of grants received for research projects in the institution during the last five years (INR in Lakhs)

Sl. No	Name of the Project	Name of the awarding Agency	Nature of the award	Amount of grant for research	Date and Duration of the project
2020-2021					
1	Lane Detection And Object Detection Using Opencv With Steering Advisor For Driver	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.035	24/04/2021, 1 Year
2	Design of Iot Based Vehicle Theft Detection	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.045	24/04/2021, 1 Year
3	Unusual Event Detection For Enhancing Atm Security	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.04	24/04/2021, 1 Year
4	Stratergies to Detect COVID-19 and Measures to Prevent it	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.06	24/04/2021, 1 Year
5	AI/ML Based Underwater Wireless Sensor	Karnataka State Council for Science and	Government	0.05	24/04/2021, 1 Year 

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	Network for Treatment of Industrial Effluents	Technology(KSCST), Govt. of Karnataka			
6	Garbage Segregation and Administration System using K-Nearest Neighbor Algorithm	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.05	24/04/2021, 1 Year
7	Design and development of zirconia foam ceramic porous heating burner to reduce cox and nox emissions	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.06	24/04/2021, 1 Year
8	Design and fabrication of waste paper pencil making machine	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.08	24/04/2021, 1 Year
9	Experimental investigation on properties of concrete by partial replacement of Bagasse ash with cement and cupola slag with coarse aggregate	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.04	24/04/2021, 1 Year
10	Evaluation of strength and	Karnataka State Council for Science	Government	0.04	24/04/2021, 1 Year

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	durability characteristics of flyash based geopolymer concrete with ferrochrome slab	and Technology(KSCST), Govt. of Karnataka			
11	Identifying Defects during Semi-Conductor Manufacturing using Machine Learning	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	01/07/2021, 1 Year
12	Student Evaluation and Stress Detection System using Machine Learning	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	01/07/2021, 1 Year
13	Study on Behaviour of Concrete subjected to the Fire by Partially Replacing Cement with Barite Material	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	01/07/2021, 1 Year
14	Strength and Durability Study of Bacillus Subtilis Concrete	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	01/07/2021, 1 Year
15	IoT based monitoring of power generation at highways using	VTU Financial Assistance for innovative projects for Final Year UG	Government	0.05	01/07/2021, 1 Year

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	wind and solar system	students			
16	Pest Detection and obliteration robotic system	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	01/07/2021, 1 Year
17	Performance Study on parabolic Trough collector having Receiver tube with internal Grooves	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	01/07/2021, 1 Year
18	Development of SMART (MR) Damper for Automotive Suspension	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	01/07/2021, 1 Year
19	Multi Tasking Smart Robot	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	01/07/2021, 1 Year
20	Design and Implementation for Modernization of Agriculture and Crop Protection using IoT	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	01/07/2021, 1 Year
21	Robot for the Treatment of communicable diseased patients	VTU Financial Assistance for innovative projects for Final Year UG	Government	0.05	01/07/2021, 1 Year

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	using AI & ML	students			
22	Children Security and Tracking with an Alert System using GSM and GPS Technology	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	01/07/2021, 1 Year
23	Underwater Sensor Network Communication to prognosticate Natural Catastrophe	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	01/07/2021, 1 Year
24	Center for research on automated machining and robotics	AICTE - MODROBS	Government	16.47	20/07/2020, 2 Years
25	Image data compaction techniques for enhancing the efficacy of digital light synthesis process	AICTE - Research Promotion Scheme (RPS) (Under Process)	Government	12.69 (Applied Fund value)	19/12/2020, 3 Years
	Total Amount			30.31	


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Sl. No	Name of the Project	Name of the awarding Agency	Nature of the award	Amount of grant for research	Date and Duration of the project
2019-2020					
1	Smart cane for Visually Impaired people	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.06	5/11/2020, 1 Year
2	Design And Development of Wireless Sensor Network Based Monitoring System To Monitor The Strength And Lifetime Of Bridges And Flyovers	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.045	5/11/2020, 1 Year
3	Smart Traffic Control Barricade System	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.035	5/11/2020, 1 Year
4	Infusion pump with nebulizer unit for health care	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.04	5/11/2020, 1 Year
5	Human life detection rescue BOT	Karnataka State Council for Science and	Government	0.055	5/11/2020, 1 Year <i>J. edd</i>

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		Technology(KSCST), Govt. of Karnataka			
6	Efficient eye blink detection method for disabled	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.06	5/11/2020, 1 Year
7	Biomethanation Using Canteen and Silk Industry Waste	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.04	5/11/2020, 1 Year
8	Design and Fabrication of Flat Plate Collector Twisted Elliptical Absorber Tubes	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.055	5/11/2020, 1 Year
9	Preparation of Solar Cell by using Different Solar Cell Material Composition to Obtain Better Solar Cell Efficiency	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.06	5/11/2020, 1 Year
10	Design and Fabrication of Oblique Shaped Tube Condenser Coil	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.06	5/11/2020, 1 Year
11	Development of Porous Radiant	Karnataka State Council for Science	Government	0.06	5/11/2020, 1 Year <i>J. Red</i>

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	Burner for LPG Cooking Applications	and Technology(KSCST), Govt. of Karnataka			
12	Prediction of the Cardiovascular Disease using Hybrid Machine Learning Algorithms	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.035	5/11/2020, 1 Year
13	Automatic Tracking of Traffic Violations using Machine Learning	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.045	5/11/2020, 1 Year
14	Wireless Simulated Delivery Bot using IoT and Video Processing.	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	21/12/2020, 1 Year
15	Handwritten Digit Recognition using Neural Network.	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	21/12/2020, 1 Year
16	Smart WI - Spectable Panzer	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	21/12/2020, 1 Year
17	A Novel Design of Flower Tying	VTU Financial Assistance for innovative projects	Government	0.05	21/12/2020, 1 Year

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	machine	for Final Year UG students			
18	Machine learning based feature extraction methods for estimation of drivers drowsiness	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	21/12/2020, 1 Year
19	Multi-grid phase filed skin tumor segmentation in 3D ultrasound images	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	21/12/2020, 1 Year
20	Smart village as a model Swacch Bharat Mission	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	21/12/2020, 1 Year
21	Designing a Device for Entire Body Posture and Eye Blink Analysis, Temperature and Heart Beat Assessment	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	21/12/2020, 1 Year
22	Breast tumor detection in Automated breast ultra sound using 3TP μ -net deep convolutional Neural network	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	21/12/2020, 1 Year

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23	Designing an automated system for identification and reckoning of livestock and health prediction using machine learning	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	21/12/2020, 1 Year
24	Behaviour of Concrete when Exposed to Direct Fire	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	21/12/2020, 1 Year
25	Infiltration Studies on Different Soils under Different Soil Conditions	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	21/12/2020, 1 Year
26	Experimental Investigation of Enhancement of Heat Transfer of Refrigerator Evaporator Coils	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	21/12/2020, 1 Year
27	Design and Fabrication of Swirling Domestic Burner	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	21/12/2020, 1 Year

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28	Virtual Eye-An Intelligent Assistant for visually impaired using AI	VTU Avishkar Project	Government	0.05	02/03/2020, 1 Year
29	Utilization of Pineapple Leaf Waste as an Alternative to Plastic in Packaging Industry: A Waste to Wealth approach	VTU TEQIP Competitive Research Grant	Government	1.5	10/12/2019, 1 Year
Total Amount				2.9	

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Sl. No	Name of the Project	Name of the awarding Agency	Nature of the award	Amount of grant for research	Date and Duration of the project
2018-2019					
1	Advanced Research Lab on IoT and Cloud Computing	AICTE - MODROB	Government	6.93	10/11/2019, 2 Years
2	Real time design to circumvent air traffic control based on WSN and IoT	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.05	27/03/2019, 1 Year
3	Study on Recycling of Fresh Landfill Sludge for Concrete Products	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.045	27/03/2019, 1 Year
4	Smart Helmet for accident prevention and coal mines safety monitoring and alerting system	Karnataka State Council for Science and Technology(KSCST)	Government	0.065	27/03/2019, 1 Year
5	Experimental Study of Heat Transfer on a Rotating Receiver Tube of Parabolic Trough Collector	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.1	27/03/2019, 1 Year
6	Improvement in Liquefied Petroleum	Karnataka State Council for Science	Government	0.07	27/03/2019, 1 Year

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	Gas (LPG) Cooking Stove	and Technology(KSCST), Govt. of Karnataka			
7	Design And Fabrication of Gobar Gas Based Refrigerator System	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.08	27/03/2019,1 Year
8	Conversion of biodegradable waste into composite	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.07	27/03/2019,1 Year
9	Developing and Fabrication of Multi Operational Agricultural Machine	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.09	27/03/2019,1 Year
10	Autonomous Garbage Collecting Robot using IOT.	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	22/03/2019,1 Year
11	Block Chain Based Loyalty Platform.	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	22/03/2019,1 Year
12	IoT enabled smart garden monitoring	VTU Financial Assistance for innovative projects for Final Year UG	Government	0.05	22/03/2019,1 Year J. sed

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		students			
13	Smart Farming for Crop and Leaf Protection	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	22/03/2019,1 Year
14	Implementation of Vedic Sutra Based Digital Multiplier on FPGA	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	22/03/2019,1 Year
15	Voice enabled home automation using Raspberry Pi "ALEXA"	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	22/03/2019,1 Year
16	Defluoridation of Ground Water using Tamarind Seeds as Natural Adsorbent	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	22/03/2019,1 Year
17	Rain Water Harvesting	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	2019,1 Year
18	Development of smart health care system connecting e-health sensor and cloud for rural	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	22/03/2019,1 Year

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19	Development of an IOT based system for providing standard life style to hearing impaired and visually challenged people	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	22/03/2019, 1 Year
20	Design and Fabrication of Warbot	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	22/03/2019, 1 Year
21	Experimental Study of Heat Transfer in a Rotating Receiver Tube of a Parabolic Trough Collector	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	22/03/2019, 1 Year
22	Performance Improvement and characteristics of thin film solar cells	VGST -RGS	Government	5.0	27/08/2018, 1 Year
Total Amount				13.1	

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2017-2018					
1	A New Method Of Cashless Money Transaction- Electronic Demonetization Approach	Karnataka State Council for Science and Technology(KSCST)	Government	0.04	28/03/2018, 6 Months
2	Performance Monitoring and Improvement in High Volume web portals	Karnataka State Council for Science and Technology(KSCST)	Government	0.035	28/03/2018, 6 Months
3	Application of Green House Management for Crop Irrigation using IOT	Karnataka State Council for Science and Technology(KSCST)	Government	0.04	28/03/2018, 6 Months
4	Health monitoring system for cattle and electronics milk testing equipment	Karnataka State Council for Science and Technology(KSCST)	Government	0.05	28/03/2018, 6 Months
5	Smart city green corridor for time critical applications using wireless sensor	Karnataka State Council for Science and Technology(KSCST)	Government	0.05	28/03/2018, 6 Months

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	network and internet of things				
6	Strength and durability characteristics of ternary blended concrete with GGBS and Flyash	Karnataka State Council for Science and Technology(KSCST)	Government	0.045	28/03/2018, 6 Months
7	Experimental Study of Heat Transfer on Receiver Tube of Parabolic Collector with Continuous Helical Fins	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.06	28/03/2018, 6 Months
8	Design and Fabrication of Dual Purpose Refrigerator For Agriculture	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.07	28/03/2018, 6 Months
9	Experimental Investigation on Use of Pre-Heated Neem Oil in Diesel Engine	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.17	28/03/2018, 6 Months
10	Self Defence System for Women with	VTU Financial Assistance for innovative projects	Government	0.05	25/05/2018, 6 Months

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RajaRajeswari College of Engineering

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	Location Tracing and SMS Alerting through GSM Network using IOT	for Final Year UG students			
11	Application of Green House Management for Crop Irrigation using IOT	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.05	25/05/2018, 6 Months
	Total Amount			0.66	

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Ramohalli Cross, Bengaluru-74

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Sl. No	Name of the Project	Name of the awarding Agency	Nature of the award	Amount of grant for research	Date and Duration of the project
2016-2017					
1	Numerical Investigation of Effect of Plasto-Elastic Behavior around the notches under cyclic loading	IEI Grant	Government	0.75	29/05/2017, 1 Year
2	Unmanned Underwater Vehicle using LiFi Technology for communication.	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.05	27/03/2017, 6 Months
3	De-frothing of lake water using solar power	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.075	27/03/2017, 6 Months
4	Application of internet of things in automated irrigation system(3phase)	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.045	27/03/2017, 6 Months
5	Smart Security Solution For Women Using IOT	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.065	27/03/2017, 6 Months

[Signature]
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6	Development of system for estimation of NPK and PH in soil and disease detection in soil and leaves	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.065	27/03/2017, 6 Months
7	Experimental Investigation of Reciever Tube of Solar Parabolic Through Collector with Twisted Tape Inserts	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.07	27/03/2017, 6 Months
8	Experimental Investigation of a Single Cylinder Four Stroke Diesel Engine Using Vegetables Oil of Different Proportions with Diesel	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.085	09/12/2016, 6 Months
Total Amount				1.205	


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List of Statement of Income and Expenditure

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Criterion: 3.1.1

Academic Year: 2016-2021

**3.1.1 Statement of Income and expenditure in the institution during the last five years
(INR in Lakhs)**

Sl. No	Name of the awarding Agency	Nature of the award	Grant Received	Grant Expenditure
2020-2021				
1	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.50	0.50
2	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.65	0.65
3	AICTE - MODROBS	Government	16.47	16.47
4	AICTE - Research Promotion Scheme (RPS) (Under Process)	Government	12.69 (Ongoing Project)	- (Ongoing Project)
	Total Amount		30.31	17.62

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Criterion: 3.1.1

Academic Year: 2016-2021



Sl. No	Name of the awarding Agency	Nature of the award	Grant Received	Grant Expenditure
2019-2020				
1	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.6	0.6
2	VTU Financial Assistance for innovative projects for Final Year UG students, VTU Avishkar Project	Government	0.70	0.70
3	VTU TEQIP Competitive Research Grant	Government	1.5	1.5
	Total Amount		2.9	2.9

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Criterion: 3.1.1

Academic Year: 2016-2021



Sl. No	Name of the awarding Agency	Nature of the award	Grant Received	Grant Expenditure
2018-2019				
1	AICTE - MODROB	Government	6.93	6.93
2	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.57	0.57
3	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.6	0.6
4	VGST -RGS	Government	5.0	5.0
	Total Amount		13.1	13.1

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Criterion: 3.1.1

Academic Year: 2016-2021



Sl. No	Name of the awarding Agency	Nature of the award	Grant Received	Grant Expenditure
2017-2018				
1	Karnataka State Council for Science and Technology (KSCST), Govt. of Karnataka	Government	0.56	0.56
3	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.10	0.10
	Total Amount		0.66	0.66

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Criterion: 3.1.1

Academic Year: 2016-2021



Sl. No	Name of the awarding Agency	Nature of the award	Grant Received	Grant Expenditure
2016-2017				
1	IEI Grant	Government	0.75	0.75
2	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government	0.37	0.37
3	VTU Financial Assistance for innovative projects for Final Year UG students	Government	0.85	0.85
Total Amount			1.205	1.205


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List of Endowment/Project with the details of grant



RAJARAJESWARI COLLEGE OF ENGINEERING

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Criterion: 3.1.1

Academic Year: 2020-21



2020-21

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Criterion: 3.1.1

Academic Year: 2020-2021



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)

Name of the Project/ Endowments, Chairs	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)
2020-21							
Lane Detection and Object Detection Using OpenCV With Steering Advisor For Driver	Prof. Vinutha H, Shivam Zagade, Saima Shariff, Saniya Taj	ISE	2021	0.035	1 Year	Karnataka State Council for Science and Technology (KSCST), Govt. of Karnataka	Government
Design of Iot Based Vehicle Theft Detection	Prof. Ashwini R Malipatil, Shruthi D D, Amulya Reddy M, Rashmi A N	ISE	2021	0.045	1 Year	Karnataka State Council for Science and Technology (KSCST), Govt. of Karnataka	Government
Unusual Event Detection For Enhancing ATM Security	Prof. Veda D, Vismitha G, Safura Aliya, Sumalatha G	ISE	2021	0.04	1 Year	Karnataka State Council for Science and Technology (KSCST), Govt. of Karnataka	Government
Strategies to Detect COVID-19 and Measures to Prevent it	Dr. Vijaya S M, Harshitha M, Niharika M, Amrutha, Vinay R, Shashank H S	ECE	2021	0.06	1 Year	Karnataka State Council for Science and Technology (KSCST), Govt. of Karnataka	Government



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Criterion: 3.1.1

Academic Year: 2020-2021

AI/ML Based Underwater Wireless Sensor Network for Treatment of Industrial Effluents	Dr. Jyothi A. P., Arindam Saha, Ashwini R, Neha S, Kainath Sultana	TE	2021	0.05	1 Year	Karnataka State Council for Science and Technology (KSCST), Govt. of Karnataka	Government
Garbage Segregation and Administration System using K-Nearest Neighbour Algorithm	Dr. K. Janaki, Pavan.S, Pesala harish venkatesh,Pavan M S, Ravikiran	CSE	2021	0.05	1 Year	Karnataka State Council for Science and Technology (KSCST), Govt. of Karnataka	Government
Design and development of zirconia foam ceramic porous heating burner to reduce COX and NOX emissions	Dr. N. Sreenivasalu Reddy, Dr. C. Ramesh, Palla Maruthi Kumar Reddy, R Niteesh Kumar, Narapureddy Karthik Kumar Reddy, Manikanta M Shivayogi	ME	2021	0.06	1 Year	Karnataka State Council for Science and Technology (KSCST), Govt. of Karnataka	Government
Design and fabrication of waste paper pencil making machine	Prof. Thanuj Kumar M, Bharath S, Revanth Kumar L,Santhosh G.B, Shivakumar L	ME	2021	0.08	1 Year	Karnataka State Council for Science and Technology (KSCST), Govt. of Karnataka	Government
Experimental investigation on properties of concrete by partial	Prof. Veena N, Chaitra C V, Kaveri, Sangamesh S Goudar, Bupesh Yadav	CIVIL	2021	0.04	1 Year	Karnataka State Council for Science and Technology (KSCST), Govt. of Karnataka	Government

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Criterion: 3.1.1

Academic Year: 2020-2021



replacement of Baggase ash with cement and cupola slag with coarse aggregate							
Evaluation of strength and durability characteristics of flyash based geopolymer concrete with ferrochrome slab	Prof. Shalini G V, Nanjesh K J, Sharanabasava, Ravikumar M, Rudresh B G	CIVIL	2021	0.04	1 Year	Karnataka State Council for Science and Technology (KSCST), Govt. of Karnataka	Government
Identifying Defects during Semi-Conductor Manufacturing using Machine Learning	Prof. Nandini, Dileep Kumar S, Akhil Kumar Reddy, Harshith R, K G Ashwin Krishnan	CSE	2021	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Student Evaluation and Stress Detection System using Machine Learning	Prof. Srinivasa R, Tejaswini K, T J Shashank Uthkarsh, Ravindranath Chidan	CSE	2021	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Study on Behaviour of Concrete subjected to the Fire by Partially Replacing Cement with Barite Material	Dr. V Ramesh, Mohammed Suhail Mulla, Asim Pasha A, Jaya Krishna V S, Badri Vishal P	CIVIL	2021	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government



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Criterion: 3.1.1

Academic Year: 2020-2021

Strength and Durability Study of Bacillus Subtilis Concrete	Dr. K Aravinthan, Darshan Rao C H, Hema P, Keerthana R, Javanika M	CIVIL	2021	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
IoT based monitoring of power generation at highways using wind and solar system	Prof. Bharathi V, Deepika R, Channaveer C A, Ravikumar H G, Bharath C	EEE	2021	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Pest Detection and obliteration robotic system	Prof. Udhyami M B, Shaik shaffiulla Sharief, Saba Arman, Thilaknath G K, Shreenidhi	EEE	2021	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Performance Study on parabolic Trough collector having Receiver tube with internal Grooves	Dr. M Karthikeyan, Dr. N. Sreenivasalu Reddy, Deepak Srinidhi, Bharath V, Hemanth Gowda H S, Abhishek S P	ME	2021	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Development of SMART (MR) Damper for Automotive Suspension	Prof. Shivalingaiah K, Prof. Ravikumar T, Yadhunandan P, Goutham B S, Ravi Kiran R, Srinivas M	ME	2021	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Multi Tasking Smart Robot	Dr. J Amutharaj, Prashanth N, Sagar Karnawadi, Saimanoj R, Bharadwad	ISE	2021	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government

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Criterion: 3.1.1

Academic Year: 2020-2021

Design and Implementation for Modernization of Agriculture and Crop Protection using IoT	Prof. Rajeshwari S, Rakesh U, Sharath B, Sinchana N J	ISE	2021	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Robot for the Treatment of communicable diseased patients using AI & ML	Dr. Rangaiah L, Jeevitha K R, Devika S, Meghana K R, Hemanth M Motwani	ECE	2021	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Children Security and Tracking with an Alert System using GSM and GPS Technology	Prof. Santosh Chavan, Vaishnavi S, Sharath K, Sonika M R, Varuni L N	ECE	2021	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Underwater Sensor Network Communication tpo prognosticate Ntatural Catastrophe	Prof. Sreepathi, Arindam Saha, Ashwini R, Kainath Sultana, Neha S	TE	2021	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Center for research on automated machining and robotics	Dr. C. Ramesh	ME	2020	16.47	2 Years	AICTE - MODROBS	Government

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Criterion: 3.1.1

Academic Year: 2020-2021

Image data compaction techniques for enhancing the efficacy of digital light synthesis process	Dr. D Sivakumar, Dr. S Vijayanad	CSE	2021	12.69 (Applied Fund value)	3 Years	AICTE - Research Promotion Scheme (RPS) (Under Process)	Government
Total Amount				30.31			

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Criterion: 3.1.1

Academic Year: 2020-2021



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KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: spp@kscst.iisc.ernet.in || Phone: 080-23341652, 23348840/48/49

44th Series of Student Project Programme: 2020-21

List of Student Project Proposals Approved for Sponsorship

123. RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	PROJECT REFERENCE No.	PROJECT TITLE	BRANCH	COURSE	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	SANCTIONED AMOUNT (IN Rs.)
808.	44S_BE_0445	LANE DETECTION AND OBJECT DETECTION USING OPENCV WITH STEERING ADVISOR FOR DRIVER	INFORMATION SCIENCE AND ENGINEERING	B.E.	Mrs. VINUTHA H	Mr. SHIVAM ZAGADE Ms. SAIMA SHARIFF Ms. SANIYA TAJ	3500.00
809.	44S_BE_0448	DESIGN OF IOT BASED VEHICLE THEFT DETECTION	INFORMATION SCIENCE AND ENGINEERING	B.E.	Prof. ASHWINI R MALIPATIL	Ms. SHRUTHI D D Ms. AMULYA REDDY M Ms. RASHMI A N	4500.00
810.	44S_BE_0452	UNUSUAL EVENT DETECTION FOR ENHANCING ATM SECURITY	INFORMATION SCIENCE AND ENGINEERING	B.E.	Mrs. VEDA D	Ms. VISMITHA G Ms. SAFURA ALIYA Ms. SUMALATHA G	4000.00
811.	44S_BE_0463	DESIGN AND FABRICATION OF WASTE PAPER PENCIL MAKING MACHINE	MECHANICAL ENGINEERING	B.E.	Prof. THANUJ KUMAR M	Mr. BHARATH S Mr. REVANTH KUMAR L Mr. SANTHOSH G B Mr. SHIVAKUMAR L	8000.00
812.	44S_BE_0469	EXPERIMENTAL INVESTIGATION ON PROPERTIES OF CONCRETE BY PARTIAL REPLACEMENT OF BAGGASE ASH WITH CEMENT AND CUOLA SLAG WITH COARSE AGGREGATE	CIVIL ENGINEERING	B.E.	Prof. VEENA N	Ms. CHAITHRA C V Ms. KAVERI Mr. SANGAMESH S GOUDAR Mr. BHUPESH YADAV	4000.00
813.	44S_BE_0474	DESIGN AND DEVELOPMENT OF ZIRCONIA FOAM CERAMIC POROUS HEATING BURNER TO REDUCE COX AND NOX EMISSIONS	MECHANICAL ENGINEERING	B.E.	Dr. N SREENIVASALU REDDY Dr. C RAMESH	Mr. PALLA MARUTHI KUMAR REDDY Mr. R NITESH KUMAR Mr. NARAPUREDDY KARTHIK KUMAR REDDY Mr. MANIKANTA M SHIVAYOGI	6000.00
814.	44S_BE_2591	STRATEGIES TO DETECT COVID-19 AND MEASURES TO PREVENT IT	ELECTRONICS AND COMMUNICATION ENGINEERING	B.E.	Dr. VIJAYA S M	Ms. HARSHITHA M Ms. NIHAARIKA M AMRUTHA Mr. VINAY R Mr. SHASHANK H S	6000.00
815.	44S_BE_2596	AI/ML BASED UNDERWATER WIRELESS SENSOR NETWORK FOR TREATMENT OF INDUSTRIAL EFFLUENTS	TELECOMMUNICATION ENGINEERING	B.E.	Dr. JYOTHI A P	Mr. ARINDAM SAHA Ms. ASHWINI R Ms. NEHA S Ms. KAINATH SULTANA	5000.00

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44th Series of Student Project Programme: 2020-21

List of Student Project Proposals Approved for Sponsorship

816.	44S_BE_2601	GARBAGE SEGREGATION AND ADMINISTRATION SYSTEM USING K-NEAREST NEIGHBOR ALGORITHM	COMPUTER SCIENCE AND ENGINEERING	B.E.	Dr. KJANAKI	Mr. PAVAN S Mr. PAVAN M S Mr. PESALA VENKATA HARISH Mr. RAVIKIRAN T M	5000.00
817.	44S_BE_4320	EVALUATION OF STRENGTH AND DURABILITY CHARACTERISTICS OF FLYASH BASED GEOPOLYMER CONCRETE WITH FERROCHROME SLAG	CIVIL ENGINEERING	B.E.	Mrs. SHALINI G V	Mr. RAVIKUMAR M Mr. NANJESH K J Mr. SHARANBASAVA Mr. RUDRESH B G	4000.00

Note:

- ☐ Transaction details of sanctioned amount of Rs. 50000/- credited on 28th May 2021 by NEFT DR- P148210110028906- RAJARAJESHWARI COLLEGE BLORE- ICIC0002637- BLR IISc .
- ☐ The evaluation of above projects will be conducted during July / August 2021 via online mode and participation in the online evaluation process is mandatory, failing to which the sanctioned project will be withdrawn from the list and sanctioned amount shall be returned to KSCST.
- ☐ Submit **softcopy of Synopsis in pdf (as per the format preferred in the KSCST website)** and report (PDF format in a single file) of project by 20th July 2021, which will be uploaded in KSCST SPP portal.
- ☐ Synopsis and report must be named with Reference ID provided by KSCST (Eg:44S_BE_0001).

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Mr. H. Hemanth Kumar
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal
Rajarajeshwari College of Engineering
#14 Ramohalli Cross
Kumbalgodu Mysuru Road
Bengaluru - 560 074

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : 445_BE_0445


Ref : Your Project Proposal entitled "LANE DETECTION AND OBJECT DETECTION USING OPENCV WITH STEERING ADVISOR FOR DRIVER"

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Council under "Student Project Programme"			
tailed below:			
Students	Mr. Shivam Zagade	Budget	
		Particulars	Amount (Rs)
	Ms. Saima Shariff	Materials/Consumables	3,000.00
	Ms. Saniya Taj	Labour	-
Guide/s		Travel	-
	Mrs. Vinutha H	Miscellaneous	-
		Report	500.00
	Department	Information Science And Engineering	Total
THREE THOUSAND FIVE HUNDRED RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and softcopy of the full report in a CD (single file .pdf format only) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords


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(An autonomous organisation under the Dept. of Science & Technology, Govt. of Karnataka)
Indian Institute of Science Campus, Bengaluru - 560 012
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Mr. H. Hemanth Kumar
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal
Rajarajeshwari College of Engineering
#14 Ramohalli Cross
Kumbalgodu Mysuru Road
Bengaluru - 560 074

Dear Sir/Madam,


Sub : Sanction of Student Project - 44th Series: Year 2020-2021
Your Project Proposal Reference No. : **44S_BE_0448**
Ref : Your Project Proposal entitled " **DESIGN OF IOT BASED VEHICLE THEFT DETECTION**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Detailed below:			
Students	Ms. Shruthi D D	Budget	
	Ms. Amulya Reddy M	Particulars	Amount (Rs)
	Ms. Rashmi A N	Materials/Consumables	3,500.00
		Labour	-
Guide/s	Prof. Ashwini R Malipatil	Travel	-
		Miscellaneous	500.00
Department	Information Science And Engineering	Report	500.00
		Total	4,500.00
FOUR THOUSAND FIVE HUNDRED RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and softcopy of the full report in a CD (single file .pdf format only) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.isc.ernet.in] and should include following points:
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords


Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Karnataka State Council for Science and Technology

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Indian Institute of Science Campus, Bengaluru - 560 012

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Mr. H. Hemanth Kumar
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal
Rajarajeshwari College of Engineering
#14 Ramohalli Cross
Kumbalgodu Mysuru Road
Bengaluru - 560 074

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : 44S_BE_0452


Ref : Your Project Proposal entitled " UNUSUAL EVENT DETECTION FOR ENHANCING ATM SECURITY

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Students	Ms. Vismitha G	Budget	
	Ms. Safura Aliya	Particulars	Amount (Rs)
	Ms. Sumalatha G	Materials/Consumables	3,000.00
		Labour	-
Guide/s	Mrs. Veda D	Travel	-
		Miscellaneous	500.00
Department	Information Science And Engineering	Report	500.00
		Total	4,000.00
	FOUR THOUSAND RUPEES ONLY		

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- Please quote your project reference number printed above in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.ernet.in] and should include following points:
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Mr. H. Hemanth Kumar
Executive Secretary

Ref: 7.1.01/SPP/10

24th April 2021

The Principal
Rajarajeshwari College of Engineering
#14 Ramohalli Cross
Kumbalgodu Mysuru Road
Bengaluru - 560 074

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series- Year 2020-2021

Your Project Proposal Reference No. : 44S_BE_2591


Ref : Your Project Proposal entitled " **STRATEGIES TO DETECT COVID-19 AND MEASURES TO PREVENT IT**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Students		Budget	
		Particulars	Amount (Rs)
	Ms. Harshitha M	Materials/Consumables	4,000.00
	Ms. Nihaarika M Amrutha	Labour	500.00
	Mr. Vinay R	Travel	500.00
	Mr. Shashank H S	Miscellaneous	500.00
Guide/s	Dr. Vijaya S M	Report	500.00
Department	Electronics And Communication Engineering	Total	6,000.00
SIX THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

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- Please quote your **project reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.isc.ernet.in] and should include following points:
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Mr. H. Hemanth Kumar
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal
Rajarajeshwari College of Engineering
#14 Ramohalli Cross
Kumbalgodu Mysuru Road
Bengaluru - 560 074

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : **44S_BE_2596**

Ref : Your Project Proposal entitled " **AI/ML BASED UNDERWATER WIRELESS SENSOR NETWORK FOR TREATMENT OF INDUSTRIAL EFFLUENTS**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Mr. Arindam Saha	Budget	
	Ms. Ashwini R	Particulars	Amount (Rs.)
	Ms. Neha S	Materials/Consumables	4,000.00
	Ms. Kainath Sultana	Labour	-
Guide/s	Dr. Jyothi A P	Travel	-
		Miscellaneous	500.00
Department	Telecommunication Engineering	Report	500.00
		Total	5,000.00
	FIVE THOUSAND RUPEES ONLY		

The following are the guidelines to carryout the project work :

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- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.isc.ernet.in] and should include following :
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords

J. Ash
Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru



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Mr. H. Hemanth Kumar
Executive Secretary

Ref: 7.1.01/SPP/10

24th April 2021

The Principal
Rajarajeshwari College of Engineering
#14 Ramohalli Cross
Kumbalgodu Mysuru Road
Bengaluru - 560 074

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series; Year 2020-2021

Your Project Proposal Reference No. : **44S_BE_2601**

Ref : Your Project Proposal entitled " **GARBAGE SEGREGATION AND ADMINISTRATION SYSTEM USING K-NEAREST NEIGHBOR ALGORITHM**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Mr. Pavan S	Budget	
	Mr. Pavan M S		
	Mr. Pesala Venkata Harish	Particulars	Amount (Rs.)
	Mr. Ravikiran T M	Materials/Consumables	3,000.00
Guide/s	Dr. K.Jenaki	Labour	500.00
		Travel	500.00
		Miscellaneous	500.00
Department	Computer Science And Engineering	Report	500.00
		Total	5,000.00
FIVE THOUSAND RUPEES ONLY			

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- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.ernet.in] and should include following :
 - Title of the project
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 - Name of the students & Guide(s)
 - Keywords

J. ool
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COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-77



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Mr. H. Hemanth Kumar
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal
Rajarajeshwari College of Engineering
#14 Ramohalli Cross
Kumbalagodu Mysuru Road
Bengaluru - 560 074

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : **44S_BE_0474**

Ref : Your Project Proposal entitled "**DESIGN AND DEVELOPMENT OF ZIRCONIA FOAM
CERAMIC POROUS HEATING BURNER TO REDUCE COX
AND NOX EMISSIONS**"

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Mr. Palla Maruthi Kumar Reddy	Budget	
	Mr. R Nitesh Kumar	Particulars	Amount (Rs.)
	Mr. Narapureddy Karthik Kumar	Materials/Consumables	4,000.00
	Mr. Manikanta M Shivayogi	Labour	500.00
Guide/s	Dr. N Sreenivasalu Reddy	Travel	500.00
	Dr. C Ramesh	Miscellaneous	500.00
Department	Mechanical Engineering	Report	500.00
		Total	6,000.00
SIX THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

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- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
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 - Name of the students & Guide(s)
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Principal
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Mr. H. Hemanth Kumar
Executive Secretary

Ref: 7.1.01/SPP/10

24th April 2021

The Principal
Rajarajeshwari College of Engineering
#14 Ramohalli Cross
Kumbalgodu Mysuru Road
Bengaluru - 560 074

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : **44S_BE_0463**

Ref : Your Project Proposal entitled " **DESIGN AND FABRICATION OF WASTE PAPER PENCIL MAKING MACHINE**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Mr. Bharath S	Budget	
	Mr. Revanth Kumar L	Particulars	Amount (Rs.)
	Mr. Santhosh G B	Materials/Consumables	6,000.00
	Mr. Shivakumar L	Labour	500.00
Guide/s	Prof. Thanuj Kumar M	Travel	500.00
		Miscellaneous	500.00
	Department	Mechanical Engineering	Report
Total			8,000.00
EIGHT THOUSAND RUPEES ONLY			

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 - Name of the College & Department
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 - Keywords

[Signature]
Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



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Mr. H. Hemanth Kumar
Executive Secretary

Ref: 7.1.01/SPP/10

24th April 2021

The Principal
Rajarajeshwari College of Engineering
#14 Ramohalli Cross
Kumbalgodu Mysuru Road
Bengaluru - 560 074

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021
Your Project Proposal Reference No. : **44S_BE_0469**

Ref : Your Project Proposal entitled "**EXPERIMENTAL INVESTIGATION ON PROPERTIES OF CONCRETE BY PARTIAL REPLACEMENT OF BAGGASE ASH WITH CEMENT AND CUPOLA SLAG WITH COARSE**"

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Particulars	Budget	
		Amount (Rs.)	
Student / s	Ms. Chaithra C V		
	Ms. Kaveri		
	Mr. Sangamesh S Goudar	Materials/Consumables	3,000.00
	Mr. Bhupesh Yadav	Labour	-
Guide/s	Prof. Veena N	Travel	-
		Miscellaneous	500.00
		Report	500.00
Department	Civil Engineering	Total	4,000.00
FOUR THOUSAND RUPEES ONLY			

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- Name of the College & Department
- Name of the students & Guide(s)
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Mr. H. Hemanth Kumar
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal
Rajarajeshwari College of Engineering
#14 Ramohalli Cross
Kumbalgodu Mysuru Road
Bengaluru - 560 074

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : **44S_BE_4320**

Ref : Your Project Proposal entitled " **EVALUATION OF STRENGTH AND DURABILITY CHARACTERISTICS OF FLYASH BASED GEOPOLYMER CONCRETE WITH FERROCHROME SLAG**


We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Mr. Ravikumar M Mr. Nanjesh K J Mr. Sharanbasava Mr. Rudresh B G	Budget	
		Particulars	Amount (Rs.)
Guide/s	Mrs. Shalini G V	Materials/Consumables	3,000.00
		Labour	-
		Travel	-
Department	Civil Engineering	Miscellaneous	500.00
		Report	500.00
		Total	4,000.00

FOUR THOUSAND RUPEES ONLY

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Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

ICICI Bank

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A/c Payee

VALID FOR THREE MONTHS ONLY

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Principal Rajarajeshwari College of Engineering A / C No :- 263701000543

OR ORDER

Fifty Thousand Only

₹ 50,000.00

No. 263701000032

FOR RAJARAJESWARI COLLEGE OF ENGINEERING

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WEALTH MANAGEMENT : SAVINGS ACCOUNT
Payable at par at all branches of ICICI Bank Limited in India



[Signature]
TRUSTEE (S)
Please sign above

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VALID FOR THREE MONTHS ONLY

30092021

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SHAYANI .M.

OR ORDER

Fifty Thousand only

₹ 50,000/-

a. 263701000543

FOR THE PRINCIPAL RAJARAJESWARI COLLEGE OF ENGINEERING

SBTAS CBS
WEALTH MANAGEMENT : SAVINGS ACCOUNT
Payable at par at all branches of ICICI Bank Limited in India



[Signature]

AUTHORISED SIGNATORY

Principal

RAJARAJESWARI

COLLEGE OF ENGINEERING

Ramohalli Cross, Bengaluru-74

[Signature]

⑈000463⑈ 560229075⑈ 000543⑈ 31

RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi

Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 3.1.1

Academic Year: 2020-2021



VTU Funded Innovative Projects

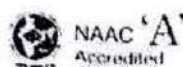

Principal
RAJARAJESWARI
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Ramohalli Cross, Bengaluru-74



RajaRajeswari College of Engineering

(Approved by AICTE, New Delhi, Govt. of Karnataka & Affiliated to Visvesvaraya Technological University, Belgaum)

Sponsored by: MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST



Ref: RRCE/FA/IP/2020-21/001

Date: 1.7.2021

To
The Registrar
Visvesvaraya Technological University,
"Jnanasangama", Belagavi-590018

Copy to
HOD-Mech Engrg
for file

Respected Sir,

Sub: Financial Assistance for Innovative Projects of Final Year UG Students for the year 2020-21 reg.

Ref: VTU Circular No. VTU/BGM/PS/2020-21/545 dated: 6 May 2021

With reference to the above subject, I am submitting here with the following proposals from CSE, ME, CVE, ISE, ECE, EEE and TE departments along with supporting documents for considering the same oblige.

Sl.No	Branch		Title of the Project	Name/Names of Student	Name of Guide	Remarks
01	CSE	01	Identifying Defects during Semi-Conductor Manufacturing using Machine Learning	Dileep Kumar S Akhil Kumar Reddy Harshith R. K G Ashwin Krishnan	Prof. Nandini	Recommended
		02	Student Evaluation and Stress Detection System using Machine Learning	Tejaswini K T J Shashank Uthkarsh Ravindranath Chidan	Prof. Srinivasa R	Recommended
02	ME	01	Performance study on parabolic trough collector having receiver tube with internal grooves	Deepak Srinidhi Bharath.V Hemanth Gowda H S Abhishek S P	Dr M Karthikeyan Dr.N.Sreenivas alu Reddy	Recommended
		02	Development of SMART(MR) Damper for Automotive Suspension	Yadunandan P Goutham.B.S Ravi Kiran R Srinivas M	Prof.Shivalingaiah K Prof. Ravi Kumar T	Recommended
03	Civil	01	Study on Behavior of Concrete Subjected to the Fire by Partially Replacing Cement with Barite Material	Mohammed Suhail Mulla Asim Pasha A Jaya Krishna V.S. Badri Vishal P	Dr V Ramesh	Recommended Principal

RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-77

23

Campus
#14, Ramohalli Cross, Kumbalagodu, Mysore Road
Bengaluru - 560 074
Ph : 080 - 28437124 / 28437375 Fax : 080 - 28437373
E-mail : info@rrce.org, enquiry@rrce.org

	Civil	02	Strength and Durability Study of Bacillus Subtilis Concrete	Darshan Rao C H Hema P Keerthana R Javanika M	Dr.K Aravinthan	Recommended
04	ISE	01	Multi-Tasking Smart Robot	Prashanth N Sagar Karnawadi Saimanoj R. Bhardwaj	Dr.J.Amutharaj	Recommended
		02	Design and Implementation for Modernization of Agriculture and Crop Protection using IoT	Rakesh U Sharath B Sinchana N J	Prof. Rajeshwari S	Recommended
05	ECE	01	Robot for the treatment of Communicable diseased patients using AI & ML.	Jeevitha.K.R Devika.S Meghana.K.R Hemanth.M Motwani	Dr. Rangaiah L	Recommended
		02	Children Security and Tracking with an alert system using GSM and GPS Technology	Vaishnavi S Sharath K Sonika M R Varuni L N	Prof. Santosh Chavan	Recommended
06	EEE	01	Pest Detection and Obliteration System in Plants	Samrin Mehdi Shaik Shaffiulla Sharief Shreenidhi Thilaknath G K	Prof Udhyami M B	Recommended
		02	IoT based Monitoring of power generation at highways using Wind and Solar System	Deepika R Ravi Kumara H G Bharath C Channaveer C A	Prof Bharathi V	Recommended
07	TE	01	Underwater Sensor Network Communication to Prognosticate Natural Catastrophe	Arindam Saha Ashwini R Kainath Sultana Neha S	Prof. Sreepathi	Recommended

The above proposals are submitted here with for your kind consideration and oblige.

Thanking you,

Encl:

1. Annexure - I of Two best Projects per branch/Programme (UG) - 13 No(s) as per above
2. Affiliation notification issued by VTU for 2020 - '21
3. Proceedings of the Committee for selection of Projects & copy of the NDF form sent by VTU Nominee
4. Softcopy of the Proceedings recorded in DVD/CD

J. Ash
Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74
Yours faithfully



Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the State Legislature VTU Act, 1994)
"Jnana Sangama" Belagavi-590018, Karnataka State, India
Tele Phone: (0831) 2498112. Fax: (0831) 2405167, Website: vtu.ac.in

Financial Assistance for Innovative Projects of Final year under Graduate Students for the year 2020-21

Non –Disclosure Form

(To be filled and signed digitally or manual by VTU Nominee and scanned/pdf copy shall be mailed to
Principal of host Institute)

I Dr. Jenitha A working as a Associate Professor in the department of Electronics & Communication Engineering at Dr.T. Thimmalah Institute of Technology, Oorgaum, Kolar Gold Fields, Karnataka - 563120 will attend the Students Projects Selection Committee Meeting organized by RajaRajeswari College of Engineering, Bangalore on 22nd & 24th June 2021 through online and solemnly declare that, I will not disclose any information about Idea/Design/Statistics/Literature or any information related to Students Innovative Projects presenting in the meeting.

Dr. Jenitha A

(Signature and Name of VTU Nominee)

Roles of VTU Nominee -

1. VTU Nominee should sign this form and scanned copy shall be submitted to Principal of Host College.
 2. VTU Nominee should participate in the meeting and supervise the process of selection process.
 3. VTU Nominee can participate in the discussion/presentation Intellectually.
 4. VTU will not ask separate report from the VTU nominee.
- Host Institute has all the rights to shortlist the projects for final presentation in the selection committee meeting.

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

("ವಿ. ತ. ಯು. ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)
'ಜ್ಞಾನ ಸಂಗಮ', ಬೆಳಗಾವಿ - ೫೯೦ ೦೧೮ ಕರ್ನಾಟಕ ರಾಜ್ಯ

Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the VTU Act, 1994)

"Jnana Sangama", Belagavi-590 018, Karnataka State, India

Prof. A. S. Deshpande B.E., M.Tech., Ph.D.
REGISTRAR

Phone: (0831) 2498100

Fax: (0831) 2405467

Ref: VTU/Aca./A4/2021-22/2208/21

Date:

20 SEP 2021

To,

The Principal,

Raja Rajeswari College of Engineering,
Ramohalli Cross, Bengaluru- 74.

Sir,

Sub: Sanction of Financial Assistance for 2020-21 to the
Innovative Project of UG Final Year students of your Institution. reg.
Ref: No.VTU/BGM/PS/2021-22/545, dated 06.05.2021

With reference to the above subject, please find herewith a D.D Bearing No 643531, dated 09.09.2021 of Rs. 65,000/- (Rupees Sixty Five Thousand Only) towards the sanction of financial assistance to the selected Innovative projects of UG final year students of BE / B.Tech.


Further, you are hereby informed to distribute the amount to the concerned students and get an acknowledgement for the same.

Original copy of the acknowledgements should be submitted to the undersigned on or before 30th September 2021.

Encl: as above


REGISTRAR

6/18/9/21


Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

रने भारतीय स्टेट बैंक
Branch: VTU BELGAUM
/CODE No: 40649

मांगद्राफ्ट
DEMAND DRAFT

Key: WIJMAP
Sr. No: 227666

09092
D D M Y Y

या उनके आदेश पर

OR ORDER

मांगे जानेपर RAJA RAJESWARI COLLEGE OF ENGINEERING

ON DEMAND PAY

Sixty Five Thousand Only

₹ RUPEES

अदा करें ₹ 65000.00

DI 000473643531
Name of Applicant

Key: WIJMAP Sr. No: 227666
FO VTU BELGAUM

AMOUNT BELOW 65001(0/5)

मूल्य प्राप्त / VALUE RECEIVED

भारतीय स्टेट बैंक

STATE BANK OF INDIA

अदाकर्ता शाखा / DRAWEE BRANCH: CCPC BANGALORE

कोड नं. / CODE No: 40743

Manjunath Singh BS
SS No. B11381
BRANCH MANAGER

यह द्राफ्ट मशीन द्वारा ही बनाया
ONLY IF COMPUTER PRINTED

केवल 3 महीने के लिए ही
VALID FOR 3 MONTHS ONLY

* LESSOR: यह अधिक के निजत दो अधिकारियों द्वारा हस्ताक्षरित होने पर ही वैध है।
INSTRUMENTS FOR ₹ 1.50 LAKH & ABOVE ARE NOT VALID UNLESS SIGNED BY TWO OFFICERS

⑈643531⑈ 000002000⑈ 000473⑈ 16

RAJARY	28/9/21	895
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Ac/ VTU - projects co-ov. Dr. Amuthany Sr.

Pls. verify & do the
needful

28/9-21.

J. adl

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-78



RAJARAJESWARI COLLEGE OF ENGINEERING

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Criterion: 3.1.1

Academic Year: 2020-2021

AICTE -MODROBS

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

MODROB - Sanction Letter

F.No.9-243/IDC/MODROB/Policy-1/2019-20

Date: 20.07.2020

To

The Drawing and Disbursing Officer,
All India Council for Technical
Education, Nelson Mandela Marg,
Vasant Kunj, New Delhi - 110070

Sub: Release of a sum of Rs.1317961/- (Rupees Thirteen Lakh Seventeen Thousand Nine Hundred SixtyOne Only) being the 1st installment Grant-in-Aid under the scheme Modernization and Removal of Obsolescence (MODROB) for the year 2019-20 payable during the current financial year 2020-21- reg.

Sir,

With reference to the proposal submitted by the institute, this is to convey that the sanction of the Council for payment of Rs.1647451/- (Rupees Sixteen Lakh FortySeven Thousand Four Hundred FiftyOne Only) as sanctioned Grant-in-Aid under the Modernization and Removal of Obsolescence (MODROB) scheme, as per details given below:

1.	Name and address of the Beneficiary Institution:	Director/ Principal/ Registrar, RAJARAJESWARI COLLEGE OF ENGINEERING, #14, RAMOHOLLI CROSS, KUMBALGODU, MYSORE ROAD, BANGALORE - 560074		
2.	Title of Project:	Center for Research on Automated Machining and Robotics		
3.	Name of Coordinator:	Dr. C RAMESH		
4.	Duration of the project:	2 years		
4.	Total Grant-in-aid Sanctioned:	Total: Rs.1647451/-	Non-Recurring (85%): Rs.1400333/-	Recurring (15%): Rs.247117/-
5.	Amount to be released during the year 2020-21:	1 st Installment Rs.1317961/-	Non-Recurring (85%): Rs.1120266/-	Recurring (15%): Rs.197694/-
6.	Sanctioned grant-in-aid is debatable to:	Major Head 601.18(a) Gen. (Plan Head)		

- The amount of the Grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the Grant-in-Aid bill and shall be disbursed to and credited to the account of Director/Principal/Registrar of the Institute through RTGS/PFMS.
- This Grant-in-Aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

The instructions/guidelines to be followed by University/Institution

1. Release of funds

- The Principal/ Director of the institute and the Coordinator of the project are hereby requested to verify the correctness of the undermentioned bank account/ RTGS details submitted by them along with the Proposal, in which the grant is being released:

F.No.9-243/IDC/MODROB/Policy-1/2019-20

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Criterion: 3.1.1

Academic Year: 2020-2021



AICTE -RPS

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Hotspot > status x Gmail x Home | Government x AICTE AQIS Applicatio x (9,049 unread) - dsk... x (9,049 unread) - dsk... x

https://portal.aicte-india.org/partnerportal_enu/start.swe?SWECmd=GotoView&SWEView=AICTE2+Sanction+Grant+Scheme+View_Revamp&S...

AQIS Status

+ AQIS Status

- AQIS Status

Submit 5 of 10+ ⚙

Academic Year	AQIS Application Id	Permanent Institute Id
2020-2021	1-9289816751	1-4201514
Name of the Institute	Scheme	Department*
RAJARAJESWARI COLLEGE OF ENGINEERING	RPS - Research Promotion Scheme	COMPUTER SCIENCE & ENGINEERING
Faculty Id*	Title	First Name
1-3540792133	Dr.	DURAISAMY
Surname	Status	
SIVAKUMAR	Expert Evaluation Completed	Proposal is evaluated and qualified

31

J. Sedh

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru 78

AQIS Status

- AQIS Status

AQIS Applicat	Permanent Inst	Name of the Inst	AQIS Schemes	Faculty Id	Title	Surname	First Name	Academic Year	Status	Final Status
1-936116841	1-4201514	RAJARAJESW...	MODROB - F...	1-4760533779	Dr.	SARAVANAN	NATARAJAN	2020-2021	Submitted	Proposal was not shortlisted for evaluation at the screening level
1-9331415401	1-4201514	RAJARAJESW...	MODROB - F...	1-2668834983	Dr.	RANGAIAH	LEBURU	2020-2021	Expert Evalu...	Proposal is not recommended
1-928952847	1-4201514	RAJARAJESW...	SPICES-Sche...	1-2193091174	Dr.	JANAKI KAN...	KANDASAMY	2020-2021	Submitted	Proposal is not recommended
1-9289816751	1-4201514	RAJARAJESW...	RPS - Resear...	1-3540792133	Dr.	SIVAKUMAR	DURAISAMY	2020-2021	Expert Evalu...	Proposal is evaluated and qualified
1-9287462541	1-4201514	RAJARAJESW...	RPS - Resear...	1-2193074544	Dr.	SAKTHIVEL	USHA	2020-2021	Expert Evalu...	Proposal is not recommended
1-7897495351	1-4201514	RAJARAJESW...	STTP - Short...	1-2193155729	Mr.	GREENIVASA...	NARE	2019-2020	Expert Evalu...	Proposal is not recommended
1-7881374209	1-4201514	RAJARAJESW...	MODROB - A...	1-4716311252	Dr.	V	RAMESH	2019-2020	Expert Evalu...	Proposal is not recommended
1-7881147981	1-4201514	RAJARAJESW...	MODROB - A...	1-3189098661	Dr.	RAMESH	C	2019-2020	Expert Evalu...	Proposal is evaluated and provisionally recommended
1-7075805561	1-4201514	RAJARAJESW...	FDP - Faculty...	1-2668834983	Dr.	L	RANGAIAH	2019-2020	Expert Evalu...	Proposal is not recommended
1-7076082671	1-4201514	RAJARAJESW...	MODROB - A...	1-4479991595	Dr.	RAYANKI	BALAKRISHNA	2019-2020	Expert Evalu...	Proposal is not recommended

1 - 10 of 10+

J. Odh
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 Ramohalli Cross, Bengaluru-74

AICTE- RESEARCH PROMOTION SCHEME (RPS)

Details of Co-Ordinator

AQIS Application Id: 1-9289816751

Duration: 3 Years

Status: Proposal is evaluated and Qualified

AQIS Application Submission Date: 19.12.2020

Schemes: RPS – Research Promotion Scheme

Institute Type

Does the Institute have an AICTE approved PG course under which the proposal for the RPS is requested? *: Yes

Details of Principal Investigator

Faculty Id*: 1-3540792133

Title: Dr.

Surname: SIVAKUMAR

First Name: DURAISAMY

Mobile Phone #: 9790277546

Email Address: dskumarcse@yahoo.co.in

Appointment FT/PT: FT

Appointment Type: Regular

Department*: COMPUTER SCIENCE & ENGINEERING

PG Degree: MTECH

PG Branch: Computer Science and Engineering

Whether any ongoing AICTE sponsored RPS project by the PI*: No

Details of the Co-Principal Investigator (Co-PIs) (Mandatory)

Co PI Faculty Id: 1-4644447054

Co PI First Name: VIJAYANAND

Co PI Last Name: SHANMUGAM

Co PI Email: svijayanand@gmail.com

Co PI Mobile Number: 9900028023


Co PI Appointment Type: Regular

Co PI Department: COMPUTER SCIENCE & ENGINEERING

Whether any ongoing AICTE sponsored RPS project by the Co - PI*: No

Details of ongoing project by the Co PI: NA

Title of the project proposal: Image data compaction techniques for enhancing the efficacy of digital light synthesis process.


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Criterion: 3.1.1 Academic Year: 2019-20



2019-20

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RAJARAJESWARI COLLEGE OF ENGINEERING

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Criterion: 3.1.1

Academic Year: 2019-2020



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)

Name of the Project/ Endowments, Chairs	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)
2019-20							
Smart cane for Visually Impaired people	Prof. Prutha G, Smitha B M, Sahana D P, Kruthi S	EEE	2020	0.06	1 Year	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government
Design And Development of Wireless Sensor Network Based Monitoring System To Monitor The Strength And Lifetime Of Bridges And	Prof. Rajeshwari S, Sushmitha H B, Spoorthi H	ISE	2020	0.045	1 Year	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government

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Criterion: 3.1.1

Academic Year: 2019-2020

Flyovers							
Smart Traffic Control Barricade System	Prof. Ashwini R Malipatil, Ashwini M, Divyashree C Y, Kusuma N	ISE	2020	0.035	1 Year	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government
Infusion pump with nebulizer unit for health care	Prof. Deepika J, Prakas Hegde, Vipin Padman, Nehith N	ECE	2020	0.04	1 Year	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government
Human life detection rescue BOT	Dr. Shipra Upadhayay, Manasa, Praveen sagar S R, Md. Sanaulla Khan, and Pavithra T M	ECE	2020	0.055	1 Year	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government
Efficient eye blink detection method for disabled	Prof. M. Suresh, Chandana PG, Navya Shree K, Sindu S, Thanushree P	TE	2020	0.06	1 Year	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government
Biomethanation Using Canteen and Silk Industry Waste	Prof. Babita, Mrs. Babita, Nischitha S. P.	CIVIL	2020	0.045	1 Year	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government
Design and Fabrication of Flat Plate Collector Twisted Elliptical Absorber Tubes	Dr. N Sreenivasalu Reddy, Dhruva Manjunath, K L Pooja, Prajwal Chinthapalli, Rakesh Ramesh Lathi	Mechanical Engineering	2020	0.055	1 Year	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government

Principal

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Criterion: 3.1.1

Academic Year: 2019-2020

Preparation of Solar Cell by using Different Solar Cell Material Composition to Obtain Better Solar Cell Efficiency	Dr. Satheesha V, Manoj M, Manoj D M, Mohan M, Rajeshwari A	Mechanical Engineering	2020	0.06	1 Year	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government
Design and Fabrication of Oblique Shaped Tube Condenser Coil	Dr. N Sreenivasalu Reddy, Dr. R Mohan Raj, Karthik Raj N, Manoj M, Manjunatha B S, Goutham H	Mechanical Engineering	2020	0.06	1 Year	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government
Development of Porous Radiant Burner for LPG Cooking Applications	Dr. N Sreenivasalu Reddy Prof. Madhusudhana M, Akshay N, Lalithesh N, Manish B R, Anil Kumar K	Mechanical Engineering	2020	0.06	1 Year	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government
Prediction of the Cardiovascular Disease using Hybrid Machine Learning Algorithms	Prof. Ramkumar P, Thanushka K, Uppu Soumya, Sahana K, Sushma M	CSE	2020	0.035	1 Year	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government
Automatic Tracking of Traffic Violations using Machine Learning	Dr. Janaki, Thejaswini D, Thejashwini M, Shruthi B V	CSE	2020	0.045	1 Year	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government

J. adh
Principal
RAJARAJESWARI

COLLEGE OF ENGINEERING
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Criterion: 3.1.1

Academic Year: 2019-2020

Wireless Simulated Delivery Bot using IoT and Video Processing.	Dr. S.Usha, Aman Ulla, Akash P R, Mainak, Digvijay	CSE	2020	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Handwritten Digit Recognition using Neural Network.	Dr. Sheba Selvam, Manoj V, Megaldon Jasper K, Prashanth N, Preetham M	CSE	2020	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Smart WI - Spectable Panzer	Prof. Pavan Kumar K R, Mohan Kumar P, Dhruva D C, Keerthan A, Arpitha K	EEE	2020	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
A Novel Design of Flower Tying machine	Prof. Sincy Elezebeth, Prof. Pavan Kumar K R, Vasanth Kumar B N, Kavya G M, Lakshmishree C, Vaishnavi D M	EEE	2020	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Machine learning based feature extraction methods for estimation of drivers drowsiness	Dr. J. Amutharaj, K.R.Anjali, Sanjana K	ISE	2020	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Multi-grid phase filed skin tumor segmentation in	Prof. Veda D, Shradha Bhat, Charishma M N	ISE	2020	0.05	1 Year	VTU Financial Assistance for innovative projects	Government

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RAJARAJESWARI

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Criterion: 3.1.1

Academic Year: 2019-2020

3D ultrasound images						for Final Year UG students	
Smart village as a model Swacch Bharat Mission	Prof. Haritha K Sivaraman, Namratha R, Varaprasad, Manjushree K	ECE	2020	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Designing a Device for Entire Body Posture and Eye Blink Analysis, Temperature and Heart Beat Assessment	Dr. R Gangadhar Reddy, Sharmila G, Sharmila Bai, Sneha L, Rashmitha G S	ECE	2020	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Breast tumor detection in Automated breast ultrasound using 3TP μ -net deep convolutional Neural network	Dr. Vijaya S M, Gunashree B R, Kavana H K, Chadan.H, Meghana M	ECE	2020	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Designing an automated system for identification and reckoning of livestock and health prediction using machine learning	Prof. Chaithanya S, Lohith C, Mahima S, Rani B P, Effseebha J	ECE	2020	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government

J. odd
Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING



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Criterion: 3.1.1

Academic Year: 2019-2020

Behaviour of Concrete when Exposed to Direct Fire	Dr. V Ramesh, Prajwal K, Abhishek Gowda R, Koushik Gowda A G, Rajath N	CIVIL	2020	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Infiltration Studies on Different Soils under Different Soil Conditions	Prof. A N Bhaskar, Kavya R, Meghana M S, Dilip Kumar M, Gagan Kumar M.	CIVIL	2020	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Experimental Investigation of Enhancement of Heat Transfer of Refregerator Evaporator Coils	Dr. N Sreenivasalu Reddy, Dr. C. Ramesh, Rachana L, Basavaraj M H, Jayanth T H, Hemanth Gowda	Mechanical Engineering	2020	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Design and Fabrication of Swirling Domestic Burner	Dr. N Sreenivasalu Reddy, Dr. Vishwanath K C , Dhanush C, Kiran Kumar H A, Manoj R, Mohan G	Mechanical Engineering	2020	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Virtual Eye-An Intelligent Assistant for visually impaired using AI	Dr. Neha Singhal, Arpitha, Nidhi V Hegde & Namratha S N	ISE	2020	0.05	1 Year	VTU Avishkar Project	Government
Utilization of Pineapple Leaf Waste as an Alternative to Plastic in Packaging	Dr. Jobish Johns	Physics	2019	1.5	1 Year	VTU TEQIP Competitive Research Grant	Government

J. Reddy
Principal

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Criterion: 3.1.1

Academic Year: 2019-2020



KSCST Grants

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Ramohalli Cross, Bengaluru-74

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	PROJECT STREAM	NAME OF THE GUIDE(S)	NAME OF THE STUDENTS	SANCTIONED AMOUNT (in Rs.)
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KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science campus, Bengaluru – 560 012

Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: spp@kscst.iisc.ernet.in || Phone: 080-23600978

43rd Series of Student Project Programme: 2019-20

LIST OF STUDENT PROJECT PROPOSALS APPROVED FOR SPONSORSHIP

112) RAJARAJESHWARI COLLEGE OF ENGINEERING, BENGALURU

622.	43S_BE_1803	DESIGN AND FABRICATION OF FLAT PLATE COLLECTOR WITH TWISTED ELLIPTICAL ABSORBER TUBES	MECHANICAL ENGINEERING	B.E.	STREAM A	Dr. N SREENIVASALU REDDY	Mr. DHURVA MANJUNATH Ms. K L POOJA Mr. PRAJWAL CHINTHAPALLI Mr. RAKHESH RAMESH LATHI	5500.00
623.	43S_BE_1821	PREPARATION OF SOLAR CELL BY USING DIFFERENT SOLAR CELL MATERIAL COMPOSITION TO OBTAIN BETTER SOLAR CELL EFFICIENCY	MECHANICAL ENGINEERING	B.E.	STREAM A	Dr. SATHEESHA V	Mr. MANOJ M Mr. MANOJ D M Mr. MOHAN M Ms. RAJESHWARI A	6000.00
624.	43S_BE_1822	DESIGN AND FABRICATION OF OBLIQUE SHAPED TUBE CONDENSER COIL.	MECHANICAL ENGINEERING	B.E.	STREAM A	Dr. N SREENIVASALU REDDY Dr. R MOHAN RAJ	Mr. KARTHIK RAJ N Mr. MANOJ M Mr. MANJUNATHA B S Mr. GOUTHAM H	6000.00
625.	43S_BE_1826	DEVELOPMENT OF POROUS RADIANT BURNER FOR LPG COOKING APPLICATIONS	MECHANICAL ENGINEERING	B.E.	STREAM A	Dr. N SREENIVASALU REDDY Prof. MADHUSUDHANA M	Mr. AKSHAY N Mr. LALITHESH N Mr. MANISH B R Mr. ANIL KUMAR K	6000.00
626.	43S_BE_2249	SMART CANE FOR VISUALLY IMPAIRED PEOPLE	ELECTRICAL AND ELECTRONICS ENGINEERING	B.E.	STREAM A	Ms. PRUTHA G	Ms. SMITHA B M Ms. SAHANA D P Ms. KRUTHI S	6000.00
627.	43S_BE_2252	INFUSION PUMP WITH NEBULIZER UNIT FOR HEALTH CARE	ELECTRONICS AND COMMUNICATION ENGINEERING	B.E.	STREAM A	Mrs. DEEPIKA. J	Mr. PRAKASH HEGDE Mr. VIPIN PADMAN M Mr. NEHITH. N	4000.00
628.	43S_BE_2260	BIOMETHANATION USING FOOD AND SILK INDUSTRY WASTE	CIVIL ENGINEERING	B.E.	STREAM A	Mrs. BABITHA M	Mr. PAVAN KUMAR D Mr. PRADEEP Ms. NISCHITHA S P Mr. SANDEEP T R	4000.00
629.	43S_BE_2267	AUTOMATIC TRACKING OF TRAFFIC VIOLATIONS USING MACHINE LEARNING	COMPUTER SCIENCE AND ENGINEERING	B.E.	STREAM A	Dr. K. JANAKI	Ms. THEJASWINI D Ms. TEJASWINI M Ms. THEJASWINI M Ms. SHRUTHI B V	4500.00

KSCST : 43rd Series of Student Project Programme : Sanctioned Projects

Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
54 Mohalli Cross, Bengaluru-7

Page 148 of 227

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	PROJECT STREAM	NAME OF THE GUIDE(s)	NAME OF THE STUDENTS	SANCTIONED AMOUNT (in Rs.)
630.	43S_BE_2277	SMART TRAFFIC CONTROL BARRICADE SYSTEM	INFORMATION SCIENCE AND ENGINEERING	B.E.	STREAM A	Mrs. ASHWINI R MALIPATIL	Ms. ASHWINI M Ms. DIVYASHREE C Y Ms. KUSUMA N	3500.00
631.	43S_BE_3130	HUMAN LIFE DETECTION RESCUE - BOT	ELECTRONICS AND COMMUNICATION ENGINEERING	B.E.	STREAM A	Dr. SHIPRA UPADHYAY	Ms. MITTA JITHAMANASA Mr. PRAVEEN SAGAR S R Mr. MOHAMMED SANAULLA KHAN Ms. PAVITHRA. T M	5500.00
632.	43S_BE_3135	EFFICIENT EYE BLINK DETECTION METHOD FOR DISABLED	TELE COMMUNICATION ENGINEERING	B.E.	STREAM A	Mr. SURESH M	Ms. CHANDANA PG Ms. NAVYASHREE K Ms. SINDHU S Ms. THANUSHREE P	6000.00
633.	43S_BE_4280	PREDICTION OF THE CARDIOVASCULAR DISEASE USING HYBRID MACHINE LEARNING ALGORITHMS	COMPUTER SCIENCE AND ENGINEERING	B.E.	STREAM A	Mr. RAMKUMAR P	Ms. THANUSHA K Ms. UPPU SOUMYA Ms. SAHANA K Ms. SUSHMA M	3500.00
634.	43S_BE_4282	DESIGN AND DEVELOPMENT OF WIRELESS SENSOR NETWORK BASED MONITORING SYSTEM TO MONITOR THE STRENGTH AND LIFETIME OF BRIDGES AND FLYOVERS	INFORMATION SCIENCE AND ENGINEERING	B.E.	STREAM A	Mrs. RAJESWARI S	Ms. SUSHMITHA H B Ms. SPOORTHY H	4500.00

Note:

- ☐ The sanctioned amount will be sent separately by KSCST to the College in the name of the principal by NEFT transfer. The details of transaction no. and date will be intimated.
- ☐ The evaluation of above projects will be conducted at the nodal centres in the month of May / June 2020. Participation in the evaluation process at the nodal centres is mandatory, failing to which the sanctioned project will be withdrawn from the list and sanctioned amount shall be returned to KSCST.
- ☐ Further projects will be shortlisted for state level seminar & exhibition which will be conducted during July / August 2020.
- ☐ After completion of the projects, the hard copy and soft copy (PDF format only) of the report needs to be sent to KSCST without fail.
- ☐ Any corrections with respect to the names of the guide and students should be requested at spp@kscst.iisc.ernet.in.

J. adl

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COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

RAJARAJESWARI COLLEGE OF ENGINEERING

KSCST Project Grant 2019-20 amount through Indisind Bank

	Debit Account Number(Finacle A/c)	Debit Account Name as per Finacle	Amount	Beneficiary Account No	Beneficiary Name	Narration
1	100104425973	RAJARAJESWARI COLLEGE OF ENGINEER	11750	159964653644	N SREENIVASALU REDDY	KSCST Project Grant amount
2	100104425973	RAJARAJESWARI COLLEGE OF ENGINEER	6000	159866899637	SATHEESHA V	KSCST Project Grant amount
3	100104425973	RAJARAJESWARI COLLEGE OF ENGINEER	6000	159036663802	PRUTHA G	KSCST Project Grant amount
4	100104425973	RAJARAJESWARI COLLEGE OF ENGINEER	2000	159006600677	J DEEPIKA	KSCST Project Grant amount
5	100104425973	RAJARAJESWARI COLLEGE OF ENGINEER	2000	159916743299	BABITHA M	KSCST Project Grant amount
	100104425973	RAJARAJESWARI COLLEGE OF ENGINEER	4500	159738322312	JANAKI KANDASAMY	KSCST Project Grant amount
7	100104425973	RAJARAJESWARI COLLEGE OF ENGINEER	3500	159900978935	ASHWINI R MALI PATIL	KSCST Project Grant amount
8	100104425973	RAJARAJESWARI COLLEGE OF ENGINEER	2750	159916393828	VANI BADIGER	KSCST Project Grant amount
9	100104425973	RAJARAJESWARI COLLEGE OF ENGINEER	6000	158073744044	SURESH .	KSCST Project Grant amount
10	100104425973	RAJARAJESWARI COLLEGE OF ENGINEER	3500	158925163095	RAMKUMAR P	KSCST Project Grant amount
11	100104425973	RAJARAJESWARI COLLEGE OF ENGINEER	4500	159731215217	RAJESHWARI S	KSCST Project Grant amount
		Total Rs.	52500			

Ramohalli
ACCOUNTS SUPERINTENDENT
RAJARAJESWARI COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

भारतीय स्टेट बैंक
State Bank of India
Issuing Branch: VTU CAMPUS MATCHE
बैंक को / CODE No: 40949
Tel No. 0831-2412300

बैंकर्स चेक
BANKERS CHEQUE

Key: NEDCUR
Sr. No: 896425

04072019
D D M M Y Y Y Y

PAY Principal, Rajarajeswari College of Engineering
रुपये RUPEES Sixty Thousand Only

को या उनके आदेश पर
OR ORDER

अदा करें ₹ 60000.00

IO: 000473640582
Name of Applicant

Key: NEDCUR Sr. No: 896425
FO VTU

AMOUNT BELOW 60000 (6/5)

कुछ भारतीय स्टेट बैंक
FOR STATE BANK OF INDIA

आवश्यक होने पर बैंक को सूचित करें
VALID ONLY IF COMPUTER PRINTED

बैंकर्स चेक के लिए बैंक
VALID FOR 3 MONTHS ONLY

अप्रतिप्रेरणीय / NOT TRANSFERABLE

अधिकृत अधिकारी
AUTHORIZED SIGNATURE
BRANCH MANAGER

⑈640592⑈ 000002000⑈ 000473⑈ 16

J. oodh

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi

Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 3.1.1

Academic Year: 2019-2020



VTU Funded Innovative Projects

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Visvesvaraya Technological University
"Jnana Sangama", Belgaum - 590 018

Prof A S Deshpande B.E., M.E., Ph.D
REGISTRAR

Phone: (0831) 2405468
Fax : (0831) 2405467

Ref No. VTU/Aca/A13/2020-21/ 5057/6

Date :

- 5 JAN 2021

To,
The Principal,
RajaRajeshwari College of Engineering,
14, Ramohali Cross, Kubalgodu, Mysuru Road,
Bengaluru-560 074

Sir,

Sub : Sanction of Financial Assistance to the selected projects of UG
students of your Institution... reg.

Ref : VTU/BGM/Aca-OS/Gen-Cirs/2019-20/10300 dated : 11-03-2020.

With reference to the above subject, please find herewith a DD Bearing No. 642763
Dated: 21-12-2020 of Rs. 70,000/- (Rupees Seventy Thousand Only) towards the sanction of
financial assistance to the selected projects of UG students of BE and B.Tech. In this regard you are
here by requested to distribute the amount to the concerned students and get an acknowledgement
for the same.

Original copy of the acknowledgement should be sent to the undersigned on or before 12th Jan
2021

Encl : as above

REGISTRAR

Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

To
HIC incharge / ISE HOD / Ac

Pls. do the needful

13/1/21

भारतीय स्टेट बैंक
STATE BANK OF INDIA
No: 40648
2412300

मांगदृष्ट
DEMAND DRAFT

Key: PEKMAN
Sr. No: 88635

21122020
DDMMYYYY

जानेपर THE PRINCIPAL RAJARAJESHWARI C COLLEGE OF ENGINEERING
ON DEMAND PAY
Seventy Thousand Only
RUPEES

या उनके आदेश पर
OR ORDER

अदा करें ₹ 70000.00

IOI 000473642763
Name of Applicant

Key: PEKMAN Sr. No: 88635
FO VTU BELGAUM

AMOUNT BELOW 70001 (7/5)

मूल्य प्राप्त / VALUE RECEIVED

भारतीय स्टेट बैंक

STATE BANK OF INDIA

आदाकारी शाखा / DRAWEE BRANCH: BANGALORE CITY
कोड नं. / CODE No: 00814

आधिकृत हस्ताक्षर
AUTHORIZED SIGNATORY

शाखा प्रबंधक
BRANCH MANAGER

SANJEEV ANAGAWADI

कम्प्यूटर द्वारा मुद्रित होने पर ही वैध
VALID ONLY IF COMPUTER PRINTED

वैधता 3 माहों के लिए है
VALID FOR 3 MONTHS ONLY

INSTRUMENTS FORWARDED TO THE BANK BY TWO OFFICERS

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J. Adh
Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi

Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 3.1.1

Academic Year: 2019-2020



VTU- Avishkar

J. oad

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

"Jnana Sangama", Belagavi - 590 018, Karnataka State, INDIA

Phone : (0831) 2405468
Fax : (0831) 2405467
Email : registrar@vtu.ac.in
website : www.vtu.ac.in

Prof. A. S. Deshpande, B.E., M.Tech., Ph.D

Registrar

Ref: VTU/TEQIP 3/2020/528

Date: 2 MAR 2020

CIRCULAR

Sub: Second Level scrutiny of "AVISHKAR" – Reg.

Ref: Hon'ble Vice Chancellor approval dated: 11.12.2019.

We are pleased to inform you that, the Project Proposal submitted for "AVISHKAR, Project Exhibition/Competition" from your Institution is selected for Second Level of Scrutiny.

Principals are requested to depute **TWO** students from the selected team, to VTU Campus, Belagavi, for presentation as per the enclosed schedule. The selected projects, at the second level will participate in the final round of Exhibition/Competition, which is expected to be scheduled in second week of May 2020.

Further, the Project Team Leader shall make the online entry on or before 7th March 2020 using the following link.

<https://forms.gle/8cYVWE1CHNLW9aHJ9>


REGISTRAR

To,


1. The Chairpersons, VTU PG Centres.
2. The Principals of Participating Institutes of VTU Constituent/Affiliated Colleges.

Enclosed:

1. Guidelines
2. Schedule of Presentation
3. Vendor Format

Copy for information to:

1. The Secretary to Hon'ble Vice Chancellor, VTU, Belagavi.
2. The PS to Registrar, VTU, Belagavi.
3. The Finance Officer, VTU, Belagavi.
4. The TEQIP Cell, VTU, Belagavi.


Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Sl No.	Name of the College	Department	Title of the Project	Name of the Participants	Applied For	Name & Contact details of the guide	Date & Time of the Presentation
16	SAPTHAGIRI COLLEGE OF ENGINEERING	COMPUTER SCIENCE AND ENGINEERING	CROP SELECTION AND YIELD PREDICTION BASED ON WEATHER FORECAST USING MACHINE LEARNING	1. Swapna D 2. Tejaswini C A 3. Rashmi Surya 4. Sushmitha M	GENERAL	Name: Dr. Kamalakshi Naganna Email id: kamalakshinaganna@saptha girl.edu.in Contact No: 9880285725	<p>Date : 12.03.2020 Time : 10.00 AM Venue: APPLE Lab, VTU, Belagavi</p> <p>Principal RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-74</p>
17	Guru Nanak Dev Engineering College Bidar	Computer Science and Engineering	Crop Recommendation System using ML and IOT	1.Manish Sharanappa 2.Anjali Sultanpure 3.Monika Kamni 4.Divya Sajjan	GENERAL	Manikrao Mulge,msmulgi@gmail.com,9483159096	
18	GSSS INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN	Computer Science and Engineering	Nadi Nidan Based On Panchamahabhutas Using Iot and Machine Learning	1.Damini Niranjana, 2. Kavya M,3 .Neethi K T,4.Prarthan K M	GENERAL	Dr. Manjuprasad B, manjuprasad32@gsss.edu.in, 7259114432	
19	BNM Institute of Technology	Computer Science and Engineering	Classification of Rice Plant Diseases using Image Processing	1. Tanya 2. Somya	GENERAL	Name - Dr. Sahana D. Gowda (Mobile - 9886008626) (Email - sahanadgowda@bnmit.in)	
20	Government Engineering College, Kushalnagar	Computer Science and Engineering	Design and Implementation of PBX for an organisation	1.chandrashekhara h g, 2.sunil Kumara k, 3.sanjay shadakshari, 4.arun saradgi	GENERAL	Kiran M P, 9886216700	
21	Akshaya Institute of Technology	Computer Science and Engineering	Assist Glass for Blind People	1. Keerthan S, 2. Rituraj R, 3. Mahendra M B, 4.Prem Kumar N	GENERAL	Prof. Rakesh S (rakeshs.snb@gmail.com, 9964823990)	
22	St Joseph Engineering College, Vamanjoor, Mangaluru	Computer Science and Engineering	VISCON-visual conversation a speech hand sign conversion system	Guru Saurabh B, Halit Maria D'Souza, Joel Miranda, Jovita Adline Cutinha	GENERAL	Name: Ms Lavina DSilva, Email - ID: lavinac@sjec.ac.in, Ph No: +91 9632847190	
23	R R institute of technology, Bangalore	Computer science and engineering	A smart autonomous gardening rover with field protection and crop health monitoring system	1.Vaishnavi N,2. Sahana T, 3. Kannan S, 4. Arjun N	GENERAL	Dhananjaya M K.Rrit (dhanunitte@gmail.com, 9886265638)	
24	K S School of Engineering and Management	Computer Science and Engineering	Design and Implementation of Digital Braille to Train Visually Impaired People to Read Braille Lipi	1. Keerthi B, 2. Manasa B, 3. Padmashree, 4. Ashritha K G	GENERAL	Name: Prof. Shalini K V Email ID: shalinikv.cse@kssem.edu.in Contact No: 9742397194	
25	Rajarajeswari College of Engineering	Information Science	Virtual Eye, an intelligent assistant for visually impaired	1. Arpitha R, 2. Namratha S N, 3. Nidhi V Hegde	GENERAL	Mrs. Neha Singhal, neha.banasthali@yahoo.co.in, 9343559901	

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

RAJARAJESWARI COLLEGE OF ENGINEERING

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Criterion: 3.1.1

Academic Year: 2019-2020



VTU TEQIP

J. Reddy

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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"Jnana Sangama", Belagavi - 590 018, Karnataka State, INDIA

Phone : (0831) 2405468
Fax : (0831) 2405467
Email : registrar@vtu.ac.in
website : www.vtu.ac.in

Prof. A. S. Deshpande, B.E., M.Tech., Ph.D
Registrar
Ref: VTU/TEQIP 3/2019/321

Date: 10 DEC 2019

Approval Letter

Sub: Research Proposal approved for "Competitive Research Grant" – Reg.

Ref: Hon'ble Vice Chancellor approval dated: 09.12.2019

We are pleased to inform you that, the proposal entitled "Utilization of Pineapple leaf waste as an alternative to plastic in Packaging Industry: A Waste to Wealth Approach" has been selected for the TEQIP Competitive Research Grant.

The details are as given below:

Investigators	Maximum amount approved (Rs.)
1. Dr. Manjula R., Associate Professor, Physics Global Academy of Technology, Bengaluru (Lead College) 2. Dr. Jobish Johns, Associate Professor, Physics Rajarajeswari College of Engineering, Bengaluru	1.5 Lakhs

The Investigators are informed to follow the enclosed guidelines. The Vendor format and Undertaking is to be submitted on or before 17.12.2019. Only after submission of undertaking letter the grant will be transferred to the lead Institution Principle's Account.

For any clarifications mail to teqip@vtu.ac.in

10.12.19
REGISTRAR

To,

The Principal,
Global Academy of Technology, Bengaluru

Enclosed:

1. Guidelines
2. Vendor Format
3. Undertaking Format

Copy for information to:

1. The Secretary to Hon'ble Vice Chancellor, VTU, Belagavi.
2. The PS to Registrar, VTU, Belagavi.
3. The Finance Officer, VTU, Belagavi.
4. The TEQIP Cell, VTU, Belagavi.

J. A. S.

Principal

RAJARAJESWARI

COLLEGE OF ENGINEERING

Bamohalli Cross, Bengaluru-7

GLOBAL ACADEMY OF TECHNOLOGY
RAJARAJESHWARI NAGAR, BENGALURU-560098


Utilization of the fund as on 30-06-2020: Competitive Research Grant

Visit to Industries:

Sl No.	Date	Amount (Rupees)	Details
1	6/2/2020	401	Visit to Collaborative Institutes.
2	6/2/2020	480	Visit to Industry
3	7/2/2020	1054	Visit to Industry
4	8/2/2020	480	Visit to Industry
5	4/3/2020	553	Visit to Research Lab
TOTAL		2968/-	

Consumables:

Sl No.	Date	Amount (Rupees)	Details
1	18/02/2020	1200	Stationeries
2	18/02/2020	450	Stationeries
3	10/3/2020	37238	Chemicals
4	19/03/2020	909	Distilled water
5	26/05/2020	1344	Trays for molding
TOTAL		41141/-	
GRAND TOTAL		44109/-	


Dr. Manjula R
Principal Investigator

Dr. MANJULA. R


MSc., PhD

Assistant Professor

Department of Physics

Global Academy of Technology

Raj. 560098.


Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-77


Signature of the Principal

PRINCIPAL
Global Academy of Technology
Ideal Horas Township,
Rajarajeshwari Nagar, Bangalore-560 098



RAJARAJESWARI COLLEGE OF ENGINEERING

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Criterion: 3.1.1

Academic Year: 2018-19



2018-19

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Criterion: 3.1.1

Academic Year: 2018-2019

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)

Name of the Project/ Endowments, Chairs	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)
2018-19							
Advanced Research Lab on IoT and Cloud Computing	Dr.S.Usha	CSE	2019	6.93	2 Years	AICTE - MODROB	Government
Real time design to circumvent air traffic control based on WSN and IoT	Prof. Jyothi A. P., Jyoti. Meenakshi. K. Sushma.V	ECE	2019	0.05	1 Year	Karnataka State Council for Science and Technology (KSCST), Govt. of Karnataka	Government
Study on Recycling of Fresh Landfill Sludge for Concrete Products	Prof. Gangadhara N, Mohammed Mudassir Raza, Praveen S, Sundararaju HC, Yogesh D	CIVIL	2019	0.045	1 Year	Karnataka State Council for Science and Technology (KSCST), Govt. of Karnataka	Government
Smart Helmet for accident prevention and coal mines safety monitoring and alerting system	Dr. Neha Singhal, Shwetha B, Bhavyaashree R, Disha .K.V	ISE	2019	0.065	1 Year	Karnataka State Council for Science and Technology (KSCST)	Government

RAJARAJESWARI COLLEGE OF ENGINEERING

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Criterion: 3.1.1

Academic Year: 2018-2019



Experimental Study of Heat Transfer on a Rotating Receiver Tube of Parabolic Trough Collector	Dr. N. Sreenivasalu Reddy, Yashawanth S M	Mechanical Engineering	2019	0.1	1 Year	Karnataka State Council for Science and Technology (KSCST), Govt. of Karnataka	Government
Improvement in Liquefied Petroleum Gas (LPG) Cooking Stove	Dr. N. Sreenivasalu Reddy, Suresh T	Mechanical Engineering	2019	0.07	1 Year	Karnataka State Council for Science and Technology (KSCST), Govt. of Karnataka	Government
Design And Fabrication of Gobar Gas Based Refrigerator System	Dr. N. Sreenivasalu Reddy, Sandesh M K	Mechanical Engineering	2019	0.08	1 Year	Karnataka State Council for Science and Technology (KSCST), Govt. of Karnataka	Government
Conversion of biodegradable waste into composite	Dr. N. Sreenivasalu Reddy, Akshay L	Mechanical Engineering	2019	0.07	1 Year	Karnataka State Council for Science and Technology (KSCST), Govt. of Karnataka	Government
Developing and Fabrication of Multi Operational Agricultural Machine	Prof. Thanuj Kumar M, M. Chandu	Mechanical Engineering	2019	0.09	1 Year	Karnataka State Council for Science and Technology (KSCST), Govt. of Karnataka	Government
Autonomous Garbage Collecting Robot using IOT.	Prof. Vandana B, Ranjith L P, Alkash M B, Sithara N S, Shravan Kumar	CSE	2019	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government

#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru-74


Principal
RAJARAJESWARI

<https://www.rrce.org>

COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



RAJARAJESWARI COLLEGE OF ENGINEERING

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Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 3.1.1

Academic Year: 2018-2019

Block Chain Based Loyalty Platform.	Dr. S Usha, Manu R, Manjunath M S, Kavya S. Chaya Bhat C	CSE	2019	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
IoT enabled smart garden monitoring	Dr. L Rangaiah, Vijetha Shravya, Pragathi p. Shilpa Vasu Naik and Kirthika Kumari	ECE	2019	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Smart Farming for Crop and Leaf Protection	Dr. P. Bhuvaneshwari, Bhumika. M. Navya. J, Nayana. T.M, Deepika B and Akshitha. S	ECE	2019	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Implementation of Vedic Sutra Based Digital Multiplier on FPGA	Prof. Pavan Kumar K R, Bharath V, Chaitra K, Ganesh K, Harshith K J	EEE	2019	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Voice enabled home automation using Raspberry Pi "ALEXA"	Prof. Pavan Kumar K R, Adnan Azeez, Prajwal R, Sachin J M, Sikandar Basha	EEE	2019	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Defluoridation of Ground Water using Tamarind Seeds as Natural Adsorbent	Prof. Malarvizhi, Nikhil sagar TC, PavanPN, Nagesh, Nandan Gowda	CIVIL	2019	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Rain Water	Prof. Gangadhara N,	CIVIL	2019	0.05	1 Year	VTU Financial	Government

#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru-74

J. adl
Principal

<https://www.rree.org>

RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi
Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 3.1.1

Academic Year: 2018-2019

Harvesting	Impana R L					Assistance for innovative projects for Final Year UG students	
Development of smart health care system connecting e-health sensor and cloud for rural health care	Dr. J. Amutharaj, Anusha.N. Deepthi, S.M, Madhu .M, Manish Adithya	ISE	2019	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Development of an IOT based system for providing standard life style to hearing impaired and visually challenged people	Prof. Vinutha H, Bindhushree C.A, Chaithra .N, Monisha .G	ISE	2019	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Design and Fabrication of Warbot	Prof. Pramod Koujalagi, Nitish D Muttur, Pramod Mohan Hegde, Rahul Prakash S	Mechanical Engineering	2019	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Experimental Study of Heat Transfer in a Rotating Reciever Tube of a Parabolic Trough Collector	Dr. N. Sreenivasalu Reddy, Yashawanth S M	Mechanical Engineering	2019	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Performance	Prof. B D Wadekar	Mechanical	2018	5.0	1 Year	VGST -RGS	Government

#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru-74

J. adl Principal

RAJARAJESWARI

COLLEGE OF ENGINEERING

Ramohalli Cross, Bengaluru-74

<https://www.rrce.org>

RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi

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Criterion: 3.1.1

Academic Year: 2018-2019



AICTE - MODROBS

Principal

RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Dated: 4 January 2019

F.No. 7-23/RIFD/MODI

MODROBS

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



MODROBS - Sanction Letter

To
The Drawing and Disbursing Officer,
All India Council for Technical Education,
Nelson Mandela Marg,
Vasant Kunj,
New Delhi - 110070

Sub: Release of a sum of Rs. Five Lakh Fifty Four Thousand Four Hundred/- being the Grant-in-Aid under **Modernization and Removal of Obsolescence Scheme (MODROB)** for the year 2017-18 payable during the current financial year 2018-19-reg.

Sir,

This is to convey the sanction of the Council for payment of Rs. 554400/- (Rupees Five Lakh Fifty Four Thousand Four Hundred Only) as 1st installment / final payment out of the total approved grant-in-aid of Rs. 693000 for completion of MODROB on Advanced Research Laboratory on IoT & Cloud Computing in **RAJARAJESWARI COLLEGE OF ENGINEERING BANGALORE URBAN** Pin No - 560074 Karnataka, under the Scheme Modernization and Removal of Obsolescence Scheme (MODROB).

1. The amount of the Grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the Grant-in-Aid bill and shall be disbursed to and credited to the Registrar/ Director/Principal of the Institute through RTGS.
2. This Grant-in-Aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.
3. The sanctioned amount is debit to the Major Head 601.4(a) Gen. of the Scheme of Modernization and Removal of Obsolescence Scheme (MODROB) and is valid for payment during the financial year 2018-19.

The instructions/guidelines to be followed by University/Institution

I. Release of funds and maintenance of accounts

- a. The Principal of the institute and the Coordinator of the project are requested to verify the correctness of the under mentioned bank account/ RTGS details submitted by them along with the Proposal, in which the grant is being released:

Institute PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AAATM1102H	ICICI BANK LTD	KUMBALAGOD U BRANCH	RRCE, NO14, RAMOHALLI CROSS, MYSORE ROAD, KUMBALAGODU, BANGALORE-560074	RAJARAJESWARI COLLEGE OF ENGINEERING	Saving Account	263701000032	ICIC0002637

J. O. S.
Principal
RAJARAJESWARI

COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

In case of any omission the same should be reported to AICTE immediately.

- b. The Institute shall strictly follow the provisions laid down in the scheme document and sanction order No. F. No. 7-23/RIFD/MODROB/Policy-1/2017-18 dated _____ issued by this office. All correspondences related to the project must contain this number along with year of sanction of the project; failing which correspondence will not be entertained.
- c. Funds covered by this grant shall be kept separately and would not be mixed up with other funds.

1-3558834575

65

- d. The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, utilized only on approved items of expenditure. (list enclosed).
- e. Any change in the equipments recommended/sanctioned shall not be acceptable in any circumstances.
- f. Any expenditure above the sanctioned amount of grant is to be incurred from Institute's own funds.
- g. The institute/University shall not charge any overheads on this project and will provide all the administrative support for completion of the project.
- h. The accounts of the institute will be open for test check by the Council or Controller & Auditor General of India or any other officer designated by them.

II. Disbursement of funds to institutions

- a. The date of release of the grant by AICTE shall be taken as the date of commencement of the project. The Principal / Director / Registrar shall intimate about the receipt of the grant to AICTE. Any expenditure incurred prior to the issuance of the approval letter will not be allowed to be adjusted in the grant and if the Institution / University do not take the project work within one month of the receipt of the grant, the approval shall ipso facto lapse.
- b. After receipt of the grant from AICTE, the Institute shall send a confirmation to AICTE within 2 months of receipt of grant that the sanctioned project has been started/is in progress.
- c. 100% grant of the sanctioned amount will be released to Government/Govt. Aided institutions. Utilization Certificate (UC) and other requisite documents are to be submitted within one month of the completion of the project.
- d. To self financed/Pvt. Institutions 80% of the sanctioned amount will be released as first installment followed by 20% as reimbursement after receipt of UC and other requisite documents as specified in terms & Conditions of MODROB Scheme.

III. Submission of documents by university/institution

- a. The following mandatory relevant documents are required to be submitted by the university/institution within one month of the completion of the program :-
 - (i) The **Annual Progress Report (APR)** in the prescribed format along with Statement of Expenditure and Audited Utilization Certificate shall be submitted to AICTE not later than one month after completion.
 - (ii) The **Utilization Certificate (UC)** supported by Audited Statement of Expenditure to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the AICTE immediately after completion of the project. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed and sealed by a Chartered Accountant endorsing the membership number and complete postal address.
 - (iii) **Project Completion Report (PCR)** in the prescribed format along with the copies of invoice/bills for the equipments purchased and copy of stock entry register where entry of the equipments have made duly verified. Audited Statement of Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format and GFR-19 shall be submitted to the Council. Photocopies of formats are enclosed
- b. A complete Status Report of the project indicating the activities undertaking, number of students benefited, laboratory works photographs of students, together with their views is to be submitted.
- c. The balance amount of the grant will be reimbursed to the university/institution only on submission of the above documents. On receipt of these documents, the total amount of balance of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid shall be released, as second installment, in favour of the beneficiary institution.
- d. The university/institution is expected to submit the above said mandatory documents viz. Utilization certificate, Expenditure Statement and completion certificate etc. within one month of completion of MODROB project. However, delay of further 2 months may be condoned by AICTE in special circumstances as explained by the institute. Delay in submission of documents after three months of the completion of the MODROB Project shall invite a penalty of 10% of the total sanctioned amount of the MODROB Project, to be deducted from the balance amount of 2nd installment. The entire amount of grant already released, along with interest accrued thereon shall be refunded to AICTE if mandatory documents are not submitted by the institute beyond one year.
- e. **Program Evaluation Committee (PEC)** is required to be constituted at Institutional level. The constitution of the PEC shall be as under:

- (i) Principal/Director/Registrar of the Institution (Chairperson)
- (ii) Coordinator of the project (Member Secretary),
- (iii) Two HODs and one subject expert (Members).

The members of the said PEC shall not be below the rank of Associate Professor. The minutes of the meetings are to be submitted to the Council at end of the project along with other mandatory documents.

IV. General Instructions

- a. The amount of interest accrued on the grant should be treated as part of the grant to be utilized for that particular project. However, the interest amount accrued along with grant disbursed should not exceed the total grant sanctioned for the project. The Institute receiving the grant should reflect the same in the audited statement of accounts/ utilization certificate and may either refund the interest amount to AICTE or AICTE shall adjust the same in the next installment of grant before its release.
- b. The duration of the project is for two years from the date of release of grant. It may be ensured that the project is completed within the stipulated time. If the project is not completed in time no further extension will be granted in any case and institute has to refund the entire amount to AICTE. The request for reimbursement of 20% of remaining amount in case of private institution shall be made with UC and other related documents in such a way that the entire project is completed in the prescribed period of two years.
- c. If project is not started within six months of the issuance of this Offer Letter, the released amount, along with interest accrued thereon, has to be returned to AICTE, by way of a demand draft in favour of Member Secretary, AICTE, New Delhi.
- d. Any unavoidable circumstantial change in the project with respect to name of Project Coordinator for the MODROB project would mandatorily require prior approval of the Council. All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council. Kindly mention the File No. 123/RIFD/MODROB/Policy-1/2017-18 in your future correspondence.
- e. The grantee shall maintain an audited record of assets acquired wholly or substantially out of the Grant-in-Aid and a register of assets shall be maintained by the Institute in the prescribed form i.e. GFR-19.
- f. The University / Institute receiving grant under MODROB is expected to put up a plaque at the main entrance of the Lab/Department, which has been modernized using the grant. All the equipment procured through the project should be super scribed with AICTE project file number.
- g. The assets acquired wholly or substantially out of All India Council for Technical Education's grant shall not be disposed or encumbered or utilized for the purpose other than those for which the Grant was given without proper sanction of the All India Council for Technical Education and should at any time the institution cease to function, such assets shall revert to the All India Council for Technical Education.
- h. GoI GFR rules should be followed during utilization of grant. URL address <http://doe.gov.in/orders-circular/GFR>.

V. List of Equipments approved :

S.No.	Name of Equipment
1.	Spectrum Analyzer
2.	Track wise Serve
3.	Raspberry pi 3 model b
4.	TFT Touch screen shield
5.	Zigbee series
6.	Motor driver

J. odd

Yours sincerely,

Principal
RAJARAJESWARI

COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7

25/2/19

Page 3

Dated: 4 January 2019

F.No. 9/23RIFD/MODROB/Policy-1/2017-18

(Dileep N. Malkhede)
Advisor-I (RIFD)

Copy forwarded for information and necessary action to: -

1. **Name and Address of the Coordinator**
Dr. USHA SAKTHIVEL
RAJARAJESWARI COLLEGE OF ENGINEERING
#14, RAMOHOLLI CROSS,
KUMBALGODU,
MYSORE ROAD, BANGALORE - 560074 BANGALORE URBAN
- 560074
2. **The Registrar / Director / Principal**
BALAKRISHNA r
RAJARAJESWARI COLLEGE OF ENGINEERING
#14, RAMOHOLLI CROSS,
KUMBALGODU,
MYSORE ROAD, BANGALORE - 560074 BANGALORE URBAN
- 560074
3. **Guard File**

AQIS Application Id: 1-3558834575

J. edh

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

**Annual Progress Report for AICTE funded project under
Modernization and Removal of Obsolescence (MODROBs)**

FileNo. :9-123/RFID/MODROB/Policy-1/2017-18
(As mentioned in sanction letter)

Date of Sanction :04.01.2019

Subject Area :IoT and Cloud Computing

1. Principal Investigator
a. (Name & Address)

:Dr. S Usha,
Professor & Head,
Department of Computer Science and Engg
Rajarajeswari College of Engineering,
Kumbalgodu, Bengaluru-560074

2. Project Title

:Advanced Research Laboratory on IoT & Cloud
Computing

3. Date of Commencement of the Project

:10.11.2019

4. Amount Sanctioned by AICTE

:6,93,000

5. Amount Released by AICTE

:5,54,400

6. Details of Expenditure

:

A. NON-RECURRING

S. No.	List of Equipment Procured	Cost	GST 18%	Total Cost
1	Spectrum Analyzer with Track Wise Server DSA832E-TG	4,28,000	77,040	5,05,040.00
2	Spectrum Analyzer Accessories & Development Kits	1,14,344	20,581.92	1,34,925.92
3	Raspberry pi 3 model b	4,700.00	846	5,546.00
4	TFT Touching Screen Shield	19,602	3,528.36	23,130.36
5	Zigbee Series	15,850	2,853	18,703.00
6	Motor Driver	1,340	241.2	1,581.20
Total		583,836	1,05,090.48	6,88,926.48

B. Recurring (Consumables, TA, Books and Stationary, Manpower etc.)


S. No.	List of Equipment Procured	Cost
	NA	Nil
Total		Nil


Gross Total (A & B): INR 688926.48

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

7. Objectives of the Project : To provide hands on experience in the field of Internet of Things and Cloud computing

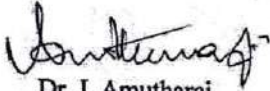
Dated: 03-Feb-2021

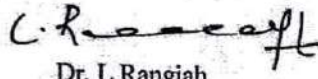

Coordinator
Professor & Head
Dept. of CSE
Rajarajeswari College of Engg.
Bengaluru - 74.

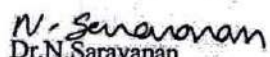

Registrar/Director/Principal
(Signature & Seal)

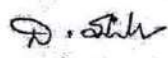
Principal
RAJAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74


Members of Project Evaluation Committee (PEC): (to sign below)


Dr. J. Amutharaj
Professor & HoD
Department of Information Science and Engineering
Rajarajeswari College of Engineering
Professor & HOD
Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bangalore - 560 074.


Dr. L. Rangiah
Professor & HoD
Department of Electronics and Communication Engineering
Rajarajeswari College of Engineering
PROFESSOR & HEAD
DEPT. OF ELECTRONICS & COMMUNICATION ENG
RAJAJESWARI COLLEGE OF ENGG.
BENGALURU - 560 074


Dr. N. Saravanan
Professor & HoD
Department of Electrical and Electronics Engineering
Rajarajeswari College of Engineering
Principal
Dept. of Electrical & Electronics Engg.
Rajarajeswari College Of Engineering
Bengaluru-74


Dr. D. Sivakumar
Associate Professor
Department of Computer Science and Engineering
Rajarajeswari College of Engineering


Principal
RAJAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

UTILIZATION CERTIFICATE

Sanction Letter No. 9 - 123 / RFID / MODROB / Policy - 1 / 2017 - 18

Date: 25.11.2020

A. NON-RECURRING

S. No.	List of Equipment Procured	Cost
1	Spectrum Analyzer with Track Wise Server DSA832E-TG	5,05,040.00
2	Spectrum Analyzer Accessories & Development Kits	1,34,925.92
3	Raspberry pi 3 model b	5,546.00
4	TFT Touching Screen Shield	23,130.36
5	Zigbee Series	18,703.00
6	Motor Driver	1,581.20
	Total	688926.48

B. RECURRING

Sl. No.	Name of the Expenses	Amount Sanctioned	Amount Utilized	Unspent Balance
	nil			

Certified that the grant has been utilized for the purpose for which it was sanctioned in accordance with the "Terms and Conditions" attached to the grant. If, as a result of check or audit objection some irregularity is noticed at a later stage, action will be taken to refund, adjust or regularize the amount objected to.

For RajaRajeswari College of Engineering

Finance Officer
(Signature & Seal)
RajaRajeswari College of Engineering & Educational Trusts

Registrar /Principal/ Director
(Signature & Seal)
Principal

RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

RajaRajeswari College of Engineering
#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bangalore - 74
Name and Address of the University/ Institution

Dated: 03/02/2021

Note: The Utilization Certificate (UC) will be signed by the Registrar/ Finance Officer in the case of Universities, Principals in the case of Colleges and Executive Heads of other Institutions. The Provisional UC may be countersigned by the internal auditors wherever the system of the internal audit exists. In case of the Self Financing/ Private Institutions, UC has to be signed by a Chartered Accountant.

* This is to be submitted every financial year.

RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru 74

RECEIPT & PAYMENT ACCOUNT

Sl.No.	Receipt	Amount (Rs.)	Sl.No.	Payments	Amount (Rs.)
1.	To Opening Balance				
2.	To Grants Received by AICTE	5,54,400		Digital Shark Technologies Pvt.Ltd	5,54,000
3.	To Interest (if any)	14,141			
				Closing Balance	14,541
	Total	5,68,541		Total	568541

(Signature of Chartered Accountant)

Name of CA: **V SWAMINATHAN**

Membership No.: **220825**

Full Address of CA: **M CET, RRCE**

[With seal] **# 14, Ramohalli cross, Bangalore - 74**

(Signature of Head of the Institute)

Name: **Principal**

Designation: **RAJARAJESWARI**

Full Address: **COLLEGE OF ENGINEERING**

[With seal] **Ramohalli Cross, Bengaluru-74**

For RajaRajeswari College of Engineering

(Signature of Finance Officer)

Name: **Moogambigai Charitable & Educational Trust**

Designation: **RajaRajeswari Group of Institutions**

Full Address: **No. 14, R.R.C.E Campus, (PG Block)**

[With seal] **Ramohalli Cross, Mysore Road, Bangalore-560 074**

(Govt. /Govt. Aided/University & wherever applicable)

Dated: **03/02/2021**



**INTERNAL AUDITOR,
CHARTERED ACCOUNTANTS,**

**Moogambigai Charitable & Educational Trust
RajaRajeswari Group of Institutions
No. 14, R.R.C.E Campus, (PG Block)
Ramohalli Cross, Mysore Road,
Bangalore-560 074**

**Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74**

STATEMENT OF EXPENDITURE

AICTE File No.

: 9-123/RFID/MODROB/Policy-1/2017-18


Title of the Project: Advanced Research Laboratory on IoT and Cloud Computing


Name of the P.I.


: Dr. S. Usha

Sanction Order No. & Date	Sanctioned Amount (INR)	Amount Released(INR)	Details of expenditure Incurred Item wise	Amount Rs. (In each head)
04.01.2019	6, 93,000	5,54,400 ✓	Spectrum Analyzer with Track Wise Server DSA832E-TG	5,05,040.00 ✓
			Spectrum Analyzer Accessories & Development Kits	1,34,925.92 ✓
			Raspberry pi 3 model b	5,546.00 ✓
			TFT Touching Screen Shield	23,130.36 ✓
			Zigbee Series	18,703.00 ✓
			Motor Driver	1,581.20 ✓
			Total	688926.48

Rs.6,93,000 of Grant- in – aid sanctioned during the year 2018-2019 Rs. 5,54,400 (Rupees Five Lakhs Fifty Four Thousand Four Hundred only) has been released as 1st installment. Rs.6,88,926.48 (Rupees Six Lakhs Eighty Eight Thousand Nine Hundred and Twenty Six and Forty Eight Paise only) has been utilized for the purpose of procuring equipments For which it was sanctioned and the balance of Rs.1,34,526.48 remaining in the sanctioned amount are yet to be received from AICTE

(1) 
Signature of Project
Coordinator with Seal
Professor & Head
Dept. of CSE
Rajarajeswari College of Engg
Bengaluru - 74.

(2) 
Name and Signature of
Head of Institution with Seal
Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

(3) _____ (4) _____
For Rajarajeswari College of Engineering

Signature (with Seal) of the Finance Officer/
Auditor/Accountant
Financial Controller
(If it is Govt. / Govt. Aided Institute)
Moogambigai Charitable & Educational Trust
Rubberstamp:


Signature of Chartered Accountant
Name of Chartered Accountant:
Membership No: 220825

Full Address of CA: Moogambigai Charitable &
Educational Trust, RRCE
No. 14, Ramohalli Cross
Bengaluru - 74

Date: 03/02/2021

Note:-If it is more than one page, each page must be signed & Stamped in all annexure.





Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

AUDITED UTILISATION CERTIFICATE

Certified that out of Rs. 6,93,000 of Grant- in – aid sanctioned during the year 2018-2019 Letter No. 9-123/RFID/MODROB/Policy-1/2017-18 Rs. 5,54,400 (Rupees Five Lakhs Fifty Four Thousand Four Hundred only) has been released as 1st installment. Rs. 6,88,926.48 (Rupees Six Lakhs Eighty Eight Thousand Nine Hundred and Twenty Six and Forty Eight Paisa only) has been utilized for the purpose of procuring equipments For which it was sanctioned and the balance of Rs. 1,34,526.48 remaining in the sanctioned amount are yet to be received from AICTE and addition to the amount of Rs. 14,141 on account of interest accrued on grant, will be adjusted towards the Grants – in – aid payable during the second installment payment by AICTE.

Certified that the grant has been utilized as per laid down terms and conditions for which it was sanctioned.



Finance Officer
(Signature and Seal)


Registrar/Principal/Director
(Signature and Seal)
Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-77

Dated: 03/02/2021



Chartered Accountant
(Signature and Seal)


Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

(FORM GFR- 19)

Assets acquired wholly or substantially out of Government grants

Register maintained by grantee institution
Block Account maintained by sanctioning authorities
Name of Sanctioning Authority


1. Serial No. :9-123/RFID/MODROB/POolicy-1/2017-18
2. Name of grantee institution :Rajarajeswari College of Engineering
3. No. and date of sanction : 04.01.2019
4. Amount of the sanctioned grant :6,93,000
5. Brief purpose of the grant : Establishment of Advanced Research Laboratory on IoT & Cloud Computing
6. Whether any condition(s) regarding the right of ownership of Government in the property or other assets acquired out of the grant was incorporated in the grant-in-aid sanction :No
7. Particulars of assets actually credited or acquired:


S. No.	List of Equipment Procured	Cost	GST 18%	Total Cost
1	Spectrum Analyzer with Track Wise Server DSA832E-TG	4,28,000	77,040	5,05,040.00
2	Spectrum Analyzer Accessories & Development Kits	1,14,344	20,581.92	1,34,925.92
3	Raspberry pi 3 model b	4,700.00	846	5,546.00
4	TFT Touching Screen Shield	19,602	3,528.36	23,130.36
5	Zigbee Series	15,850	2,853	18,703.00
6	Motor Driver	1,340	241.2	1,581.20
	Total	5,83,836	1,05,090.48	6,88,926.48

8. Value of the assets as on :688926.48 as on 25.11.2020
9. Purpose for which utilized at present: Conducting Experiments, Students Project and Research Work
10. Encumbered or not :Not Encumbered
11. Reasons if encumbered :NA
12. Disposed of or not :Not Disposed


Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7A

13. Reasons and authority, if any,
for disposal :NA
14. Amount realized on disposal :NA
15. Remarks :NIL


Registrar/Director/Principal
(Signature & Seal)
Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74


Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

PROJECT COMPLETION REPORT FOR MODROBS PROGRAMME

FileNo. :9-123/RFID/MODROB/POolicy-1/2017-18
(As mentioned in sanction letter)

Date of Sanction :04.01.2019

Subject Area :Advanced Research Laboratory on IoT and Cloud Computing

1. Project coordinator : Dr. S Usha
Professor & Head,
Department of Computer Science and Engg
Rajarajeswari College of Engineering,
Kumbalgodu, Bengaluru-560074

2. Project Title :Advanced Research Laboratory on IoT & Cloud
Computing

3. Date of Commencement of the Project : 10.11.2019

4. Duration of the Project :1 Years

5. Date of Completion : 25.11.2020

6. Amount sanctioned by AICTE : 69,3000


7. Objectives of the Project : Improving the facilities to current technologies

8. Detail of Expenditure :

A. Non -Recurring


S. No.	List of Equipment Procured	Cost	GST 18%	Total Cost
1	Spectrum Analyzer with Track Wise Server DSA832E-TG	4,28,000	77,040	5,05,040.00
2	Spectrum Analyzer Accessories & Development Kits	1,14,344	20,581.92	1,34,925.92
3	Raspberry pi 3 model b	4,700.00	846	5,546.00
4	TFT Touching Screen Shield	19,602	3,528.36	23,130.36
5	Zigbee Series	15,850	2,853	18,703.00
6	Motor Driver	1,340	241.2	1,581.20
	Total	5,83,836	1,05,090.48	6,88,926.48


9. Future plans for utilizing the Equipment : Conducting Experiments, Students Project and Research Work


Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

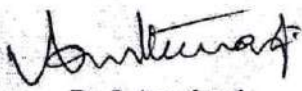
10. Whether there is any deviation from the purpose for which: No Deviation
Grant was released. If so Details of Deviation to be given.

Dated: 03/02/2021



Project coordinator
Professor & Head
Dept. of CSE
Rajarajeswari College of Engg.
Bengaluru - 74.

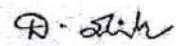

Registrar/Director/Principal
(Signature & Seal)
Principal
RAJRAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74


Members of Project Evaluation Committee (PEC): (to sign below)


Dr. J. Amutharaj
Professor & HoD
Department of Information Science and Engineering
Rajarajeswari College of Engineering
Professor & HOD
Dept. of Information Science & Engg.
Rajarajeswari College of Engineering
Bengaluru - 560 074.


Dr. L Rangiah
Professor & HoD
Department of Electronics and Communication Engineering
Rajarajeswari College of Engineering
PROFESSOR & HEAD
DEPT. OF ELECTRONICS & COMMUNICATION ENG
RAJARAJESWARI COLLEGE OF ENGG.
BENGALURU - 560 074


Dr. N. Saravanan
Professor & HoD
Department of Electrical and Electronics Engineering
Rajarajeswari College of Engineering
Professor & HOD
Dept. of Electrical & Electronics Engg.
Rajarajeswari College Of Engineering
Bengaluru-74


Dr. D. Sivakumar
Associate Professor
Department of Computer Science and Engineering
Rajarajeswari College of Engineering


Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Tax Invoice

Digital Shark Technology Private Limited No.888, 2nd Floor, 80 Feet Road, Paperreddy Palya 2nd Stage, Nagarbhavi Bengaluru GSTIN/UIN: 29AAFC1692P1ZZ State Name : Karnataka, Code : 29 CIN: U72200KA2014PTC076708 E-Mail : kishore.m@digitalshark.in		Invoice No. DST/2019-20/26	Dated 1-Jan-2020
Consignee Rajarajeswari College of Engineering No.14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru - 560 074 State Name : Karnataka, Code : 29		Delivery Note	Mode/Terms of Payment 100% Advance
Buyer (if other than consignee) Rajarajeswari College of Engineering No.14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru - 560 074 State Name : Karnataka, Code : 29		Supplier's Ref. DST/2019-20/26	Other Reference(s)
Buyer's Order No.		Dated	
Despatch Document No.		Delivery Note Date	
Despatched through		Destination	
Vessel/Flight No.		Place of receipt by shipper:	
City/Port of Loading		City/Port of Discharge	
Terms of Delivery			

Sl No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Amount
1	Spectrum Analyser - DSA832E- TG	999293	1 nos	4,28,000.00	nos	4,28,000.00
2	Raspberry Pi3	999293	1 nos	4,700.00	nos	4,700.00
						4,32,700.00
CGST @ 9%						38,943.00
SGST @ 9%						38,943.00
Total						₹ 5,10,586.00

Amount Chargeable (in words) E. & O.E
Indian Rupees Five Lakh Ten Thousand Five Hundred Eighty Six Only

Taxable Value	Central Tax Rate	Central Tax Amount	State Tax Rate	State Tax Amount	Total Tax Amount
4,32,700.00	9%	38,943.00	9%	38,943.00	77,886.00
Total: 4,32,700.00		38,943.00		38,943.00	77,886.00

Tax Amount (in words) : **Indian Rupees Seventy Seven Thousand Eight Hundred Eighty Six Only**

Company's PAN : **AAFC1692P**
 Declaration
 We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Company's Bank Details
 Bank Name : **Yes Bank**
 A/c No. : **015683800002946**
 Branch & IFS Code : **Malleswaram & YESB0000156**
 for Digital Shark Technology Private Limited

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
 Ramohalli Cross, Bengaluru 74

Authorised Signatory

SUBJECT TO BENGALURU JURISDICTION

This is a Computer Generated Invoice



Tax Invoice

Digital Shark Technology Private Limited No.888, 2nd Floor, 80 Feet Road, Paperreddy Palya 2nd Stage, Nagarbhavi Bengaluru GSTIN/UIN: 29AAFC1692P1ZZ State Name : Karnataka, Code : 29 CIN: U72200KA2014PTC076708 E-Mail : kishore.m@digitalshark.in		Invoice No. DST/2019-20/25	Dated 1-Jan-2020
Consignee Rajarajeswari College of Engineering No.14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru - 560 074 State Name : Karnataka, Code : 29		Delivery Note 100% Advance	Mode/Terms of Payment 100% Advance
Buyer (if other than consignee) Rajarajeswari College of Engineering No.14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru - 560 074 State Name : Karnataka, Code : 29		Supplier's Ref. DST/2019-20/25	Other Reference(s)
Buyer's Order No.		Dated	
Despatch Document No.		Delivery Note Date	
Despatched through		Destination	
Vessel/Flight No.		Place of receipt by shipper:	
City/Port of Loading		City/Port of Discharge	
Terms of Delivery			

Sl No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Amount
1	TFT	999293	1 nos	19,602.00	nos	19,602.00
2	Zigbee Series - 2	999293	1 nos	15,850.00	nos	15,850.00
3	Motor Drive (Single Brushed DC)	999293	1 nos	1,340.00	nos	1,340.00
						36,792.00
CGST @ 9%						3,311.28
SGST @ 9%						3,311.28
Total						₹ 43,414.56

Amount Chargeable (in words) E. & O.E
Indian Rupees Forty Three Thousand Four Hundred Fourteen and Fifty Six paise Only

Taxable Value	Central Tax		State Tax		Total Tax Amount
	Rate	Amount	Rate	Amount	
36,792.00	9%	3,311.28	9%	3,311.28	6,622.56
Total: 36,792.00		3,311.28		3,311.28	6,622.56

Tax Amount (in words) : **Indian Rupees Six Thousand Six Hundred Twenty Two and Fifty Six paise Only**

Company's PAN : **AAFC1692P**
 Declaration
 We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Company's Bank Details
 Bank Name : **Yes Bank**
 A/c No. : **015683800002946**
 Branch & IFS Code : **Malleswaram & YESB0000156**
 for Digital Shark Technology Private Limited
 Authorised Signatory

SUBJECT TO BENGALURU JURISDICTION

This is a Computer Generated Invoice

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Tax Invoice

Digital Shark Technology Private Limited No.888, 2nd Floor, 80 Feet Road, Paperneddy Palya 2nd Stage, Nagarbhavi Bengaluru GSTIN/UIN: 29AAAFCD1692P1ZZ State Name : Karnataka, Code : 29 CIN: U72200KA2014PTC076708 E-Mail : kishore.m@digitalshark.in		Invoice No.	Dated	
		DST/2020-21/42	31-Aug-2020	
Consignee Rajarajeswari College of Engineering No.14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru - 560 074 State Name : Karnataka, Code : 29		Delivery Note	Mode/Terms of Payment	
		Supplier's Ref.	Other Reference(s)	
Buyer (if other than consignee) Rajarajeswari College of Engineering No.14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru - 560 074 State Name : Karnataka, Code : 29		DST/2020-21/42	For All Products Customs Duty is Borne by Co.	
		Buyer's Order No.	Dated	
		NA	31-Aug-2020	
		Despatch Document No.	Delivery Note Date	
		Despatched through	Destination	
		Vessel/Flight No.	Place of receipt by shipper:	
		City/Port of Loading	City/Port of Discharge	
		Terms of Delivery		

SI No.	Description of Goods and Services	HSN/SAC	Quantity	Rate	per	Amount
1	Spectrum Analyser Accessories & Development Kits	999293				
2	ASLK PRO	999293	1 nos	16,000.00	nos	16,000.00
3	TMS320C6678 - Evaluation Module	999293	1 nos	60,000.00	nos	60,000.00
4	Spectrum Analyser Kit	999293	1 nos	5,944.00	nos	5,944.00
5	Tiva TM4C129X Development Kit	999293	1 nos	23,400.00	nos	23,400.00
6	Training Fees	999293				9,000.00
						1,14,344.00
	CGST @ 9%				9 %	10,290.96

continued ...

SUBJECT TO BENGALURU JURISDICTION

This is a Computer Generated Invoice

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
 Ramohalli Cross, Bengaluru-7A



Tax Invoice(Page 2)

Digital Shark Technology Private Limited No.888, 2nd Floor, 80 Feet Road, Papareddy Palya 2nd Stage, Nagarbhavi Bengaluru GSTIN/UIN: 29AAFC1692P1ZZ State Name : Karnataka, Code : 29 CIN: U72200KA2014PTC076708 E-Mail : kishore.m@digitalshark.in		Invoice No. DST/2020-21/42	Dated 31-Aug-2020
		Delivery Note	Mode/Terms of Payment
		Supplier's Ref. DST/2020-21/42	Other Reference(s) For All Products Customs Duty Is Borne by Co.
Consignee Rajarajeswari College of Engineering No.14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru - 560 074 State Name : Karnataka, Code : 29		Buyer's Order No. NA	Dated 31-Aug-2020
		Despatch Document No.	Delivery Note Date
		Despatched through	Destination
Buyer (if other than consignee) Rajarajeswari College of Engineering No.14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru - 560 074 State Name : Karnataka, Code : 29		Vessel/Flight No.	Place of receipt by shipper.
		City/Port of Loading	City/Port of Discharge
		Terms of Delivery	

SI No.	Description of Goods and Services	HSN/SAC	Quantity	Rate	per	Amount
	SGST @ 9%				9 %	10,290.96
	Total		4 nos			₹ 1,34,925.92

Amount Chargeable (in words) E. & O.E
Indian Rupees One Lakh Thirty Four Thousand Nine Hundred Twenty Five and Ninety Two paise Only

Taxable Value	Central Tax		State Tax		Total Tax Amount
	Rate	Amount	Rate	Amount	
1,14,344.00	9%	10,290.96	9%	10,290.96	20,581.92
Total: 1,14,344.00		10,290.96		10,290.96	20,581.92

Tax Amount (in words) : **Indian Rupees Twenty Thousand Five Hundred Eighty One and Ninety Two paise Only**

Company's PAN : **AAFC1692P**

Declaration
 We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.


Company's Bank Details
 Bank Name : **Yes Bank**
 A/c No. : **015683800002946**
 Branch & IFS Code : **Malleshwaram & YESB0000156**

for Digital Shark Technology Private Limited

Authorised Signatory

SUBJECT TO BENGALURU JURISDICTION

This is a Computer Generated Invoice


Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
 Ramohalli Cross, Bengaluru-74



RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi

Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 3.1.1

Academic Year: 2018-2019



KSCST Grants

J. adt

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: spp@kscst.iisc.ernet.in || Phone: 080-23600978

42nd Series of Student Project Programme: 2018-19

List of Projects Sanctioned Under Stream C

88. RAJARAJESHWARI COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_BE_0923	STUDY ON RECYCLING OF FRESH LANDFILL SLUDGE FOR CONCRETE PRODUCTS	CIVIL ENGINEERING	BE	Prof. GANGADHAR N	Mr. MOHAMMED MUDASSIR RAZA	4500.00
2.	42S_BE_0994	SMART HELMET FOR ACCIDENT PREVENTION AND COAL MINES SAFETY MONITORING AND ALERTING SYSTEM	INFORMATION SCIENCE AND ENGINEERING	BE	Mrs. NEHA SINGHAL	Ms. SWETHA B	6500.00
3.	42S_BE_2490	CONVERSION OF BIODEGRADABLE WASTE INTO COMPOSTE	MECHANICAL ENGINEERING	BE	Prof. N SREENIVASALU REDDY	Mr. AKSHAY L	7000.00
4.	42S_BE_2493	DEVELOPING AND FABRICATION OF MULTI OPERATIONAL AGRICULTURAL MACHINE	MECHANICAL ENGINEERING	BE	Prof. THANUJ KUMAR M.	Mr. M. CHANDU	9000.00
5.	42S_BE_3034	REAL TIME DESIGN TO CIRCUMVENT AIR TRAFFIC CONTROL BASED ON WSN AND IOT	ELECTRONICS AND COMMUNICATION ENGINEERING	BE	Mrs. JYOTHI A P	Ms. JYOTI	5000.00

Note:

1. The sanctioned amount will be sent by KSCST to the College by crossed Cheque in the name of the Principal.
2. The evaluation of above projects will be conducted in the Nodal Centre in the month of May / June 2019. During nodal centre evaluation projects will be selected for state level Seminar & Exhibition which will be conducted in the month of July / August 2019.
3. After completion of the projects, the hard copy of the report and soft in .pdf format needs to be sent to KSCST without fail.

Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

J. Reddy

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: spp@kscst.iisc.ernet.in || Phone: 080-23600978

42nd Series of Student Project Programme: 2018-19

List of Projects Sanctioned Under Stream A - Further Development

19. RAJARAJESHWARI COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_BE_2491	EXPERIMENTAL STUDY OF HEAT TRANSFER ON A ROTATING RECEIVER TUBE OF PARABOLIC TROUGH COLLECTOR	MECHANICAL ENGINEERING	BE	Prof. N SREENIVASALU REDDY	Mr. YASHAWANTH S M	10000.00
2.	42S_BE_2494	IMPROVEMENT IN LIQUEFIED PETROLEUM GAS (LPG) COOKING STOVE	MECHANICAL ENGINEERING	BE	Prof. N SREENIVASALU REDDY	Mr. SURESH T	7000.00
3.	42S_BE_3032	DESIGN AND FABRICATION OF GOBAR GAS BASED REFRIGERATOR SYSTEM	MECHANICAL ENGINEERING	BE	Prof. N SREENIVASULU REDDY	Mr. SANDESH M.K	8000.00

Note:

1. The sanctioned amount will be sent by KSCST to the College by crossed Cheque in the name of the Principal.
2. The evaluation of above projects will be conducted in the Nodal Centre in the month of May / June 2019. During nodal centre evaluation projects will be selected for state level Seminar & Exhibition which will be conducted during July / August 2019.
3. After completion of the projects, the hard copy of the report and soft in .pdf format needs to be sent to KSCST without fail.

Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Karnataka State Council for Science and Technology
Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

H Hemanth Kumar
Executive Secretary

Ref: 7.1.03/SPP/133

20-May-19

The Principal
RajaRajeswari College of Engineering
14, Ramohalli Cross Road,
Mysore Road., Kumbalgodu,
Bengaluru - 560074

See
[Signature]

Dear Sir,

Subject: 42nd Series Student Project Programme (SPP) Grant.

With reference to the above, please find the enclosed herewith below mentioned cheque in your favour towards amount sanctioned for different projects under 42nd Series of Student Project Programme(SPP)

Cheque No	Cheque Date	Cheque Amount Rs.	Cheque Amount Words
286790	15-05-2019	₹ 57,000.00	Rupees Fifty Seven Thousand

STREAM A	₹ 25,000.00
STREAM B	₹ 0.00
STREAM C	₹ 32,000.00

J. add

Thanking you & with best regards,
Yours sincerely,

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

H. Hemanth Kumar
(H Hemanth Kumar)

RAJARAJESWARI COLLEGE OF ENGINEERING Bengaluru - 560 074		
Date	29/5/19	Remark
Inward No.	155	
File		

Canara Bank

आई. आई. एस. सी. - 560012
I.I.S.C., Bangalore - 560012
2013 MCHBA

IPSC: CNRB0000683

Valid for three months only from the date of instrument

चा खा | CA | 15 | 05 | 20 | 19 |
D D M M Y Y Y Y

Pay The Principal, Rajarajeshwari College of Engineering, ^{Blore} या धारक को Or Bearer

Rupees रुपये Fifty Seven thousand only

अदा करें

₹ 57000/-

खा. सं.
A/c. No. 0683201000024

For K. S. C. S. T

H. Kumar
Executive Secretary

For K. S. C. S. T

S. Subramanian
Secretary
Please sign above

"Payable at par at all our Branches in India"

⑈ 286790⑈ 5600 150 23⑈

29

J. adh
Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru 7



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Mr. H. Hemanth Kumar
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalagodu, Mysuru Road,
Bengaluru - 560 074.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : 42S_BE_3034

Ref : Your Project Proposal entitled " **REAL TIME DESIGN TO CIRCUMVENT AIR TRAFFIC CONTROL BASED ON WSN AND IOT**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Ms. Jyoti and others	Budget	Amount (Rs)
		Materials/Consumables	4,500.00
Guide/s	Mrs. Jyothi A P	Labor	-
		Travel	-
Department	Electronics And Communication Engineering	Miscellaneous	-
		Report	500.00
		TOTAL	5,000.00
FIVE THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords

J. Sath
Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-77



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Mr. H. Hemanth Kumar
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019
Your Project Proposal Reference No. : 42S_BE_0923

Ref : Your Project Proposal entitled " **STUDY ON RECYCLING OF FRESH LANDFILL SLUDGE FOR CONCRETE PRODUCTS**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Mohammed Mudassir Raza and others	Budget	Amount (Rs)
		Materials/Consumables	3,500.00
Guide/s	Prof. Gangadhar N	Labor	-
		Travel	500.00
Department	Civil Engineering	Miscellaneous	-
		Report	500.00
		TOTAL	4,500.00
	FOUR THOUSAND FIVE HUNDRED RUPEES ONLY		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :

- Title of the project
- Name of the College & Department
- Name of the students & Guide(s)
- Keywords

J. Adh
Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Mr. H. Hemanth Kumar
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalagodu, Mysuru Road,
Bengaluru - 560 074.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : **42S_BE_0994**

Ref : Your Project Proposal entitled " **SMART HELMET FOR ACCIDENT PREVENTION AND COAL MINES SAFETY MONITORING AND ALERTING SYSTEM**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Ms. Swetha B and others	Budget	Amount (Rs)
		Materials/Consumables	5,000.00
Guide/s	Mrs. Neha Singhal	Labor	500.00
		Travel	-
Department	Information Science And Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	6,500.00
SIX THOUSAND FIVE HUNDRED RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords

J. ced
Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Mr. H. Hemanth Kumar
Executive Secretary

Ref: 7.1.01/SPP/1333

27th March, 2019

The Principal,
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalagodu, Mysuru Road,
Bengaluru - 560 074.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019
Your Project Proposal Reference No. : 42S_BE_2491

Ref : Your Project Proposal entitled " **EXPERIMENTAL STUDY OF HEAT TRANSFER ON A
ROTATING RECEIVER TUBE OF PARABOLIC TROUGH
COLLECTOR**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Mr. Yashawanth S M and others	Budget	Amount (Rs)
Guide/s	Prof. N Sreenivasalu Reddy Dr. Viswanath K C	Materials/Consumables	8,000.00
Department	Mechanical Engineering	Labor	500.00
		Travel	500.00
		Miscellaneous	500.00
		Report	500.00
		TOTAL	10,000.00
TEN THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:

- Title of the project
- Name of the College & Department
- Name of the students & Guide(s)
- Keywords

J. oadl
Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

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Mr. H. Hemanth Kumar
Executive Secretary

Ref: 7.1.01/SPP/1333

27th March, 2019

The Principal,
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : **42S_BE_2494**

Ref : Your Project Proposal entitled " **IMPROVEMENT IN LIQUEFIED PETROLEUM GAS (LPG) COOKING STOVE**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Mr. Suresh T and others	Budget	Amount (Rs)
		Materials/Consumables	6,000.00
Guide/s	Prof. N Sreenivasalu Reddy Prof. Ravikumar T	Labor	-
		Travel	-
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	7,000.00
SEVEN THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:

- Title of the project
- Name of the College & Department
- Name of the students & Guide(s)
- Keywords

J. Adh Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

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Mr. H. Hemanth Kumar
Executive Secretary

27th March, 2019

Ref: 7.1.01/SPP/1333

The Principal,
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : **42S_BE_3032**

Ref : Your Project Proposal entitled " **DESIGN AND FABRICATION OF GOBAR GAS BASED REFRIGERATOR SYSTEM**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Mr. Sandesh M.K. and others	Budget	Amount (Rs)
		Materials/Consumables	7,000.00
Guide/s	Prof. N Sreenivasulu Reddy Dr. Vishwanath K.C	Labor	-
		Travel	-
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	8,000.00
EIGHT THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:

- Title of the project
- Name of the College & Department
- Name of the students & Guide(s)
- Keywords

J. oad

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

96



Karnataka State Council for Science and Technology
Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Mr. H. Hemanth Kumar
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalagodu, Mysuru Road,
Bengaluru - 560 074.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019
Your Project Proposal Reference No. : 42S_BE_2490

Ref : Your Project Proposal entitled " **CONVERSION OF BIODEGRADABLE WASTE INTO COMPOSTE**

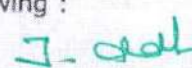
I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Akshay L and others	Budget	Amount (Rs)
		Materials/Consumables	5,000.00
Guide/s	Prof. N Sreenivasalu Reddy Prof. Anand	Labor	500.00
		Travel	500.00
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	7,000.00
SEVEN THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :

- Title of the project
- Name of the College & Department
- Name of the students & Guide(s)
- Keywords


Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
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Karnataka State Council for Science and Technology

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Mr. H. Hemanth Kumar
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : **42S_BE_2493**

Ref : Your Project Proposal entitled " **DEVELOPING AND FABRICATION OF MULTI OPERATIONAL AGRICULTURAL MACHINE**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. M. Chandu and others	Budget	Amount (Rs)
		Materials/Consumables	7,000.00
Guide/s	Prof. Thanuj Kumar M.	Labor	500.00
		Travel	500.00
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	9,000.00
NINE THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :

- Title of the project
- Name of the College & Department
- Name of the students & Guide(s)
- Keywords

J. Osh
Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi

Affiliated to the Visvesvaraya Technological University, Belagavi

Criterion: 3.1.1

Academic Year: 2018-2019



VTU Funded Innovative Projects

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Visvesvaraya Technological University

"Jnana Sangama"

Belagavi - 590 018, Karnataka State

Dr. Satish Annigeri
REGISTRAR(I/C)

Phone : (0831) 2498100
Fax : (0831) 2405467

Ref: VTU/BGM/Aca-OS/Gen-Cir/2018-19/ 10716

Date :

12 MAR 2019

CIRCULAR

**Sub: Financial Assistance for Innovative Projects of
Final Year Under Graduate students for the
year 2018-19 - reg...**

Ref: Hon'ble Vice-Chancellor's Approval dated 2nd March, 2019

With reference to the above and by the directions of the Hon'ble Vice-Chancellor, this is to inform you that, the University shall Provide Financial Assistance to the deserving Projects of Undergraduate final year students.

The following are the salient features of the proposed assistance:

1. The Financial Assistance shall be for the projects of Under Graduate final years student only. A sum of Rs. 5,000 (Rupees Five thousand only) per project with a maximum of two projects per branch/ programme shall be given by the University.
2. The Financial Assistance shall be available for all branches at Under Graduate level offered by the College.
3. The top two deserving projects (in each branch) shall be chosen by the Committee in respective College.
4. Each College shall constitute the Committees (branch-wise) and the composition shall be as follows.
 - i) Principal -Chairman
 - ii) HoD of the respective Branch - Member
 - iii) Three subject experts / Senior Professors/ Industries as deemed for by the Institution in each branch. -Members
5. The details of selected projects shall be submitted to the undersigned on or before **23rd March 2019** in the following format.

Documents to be Attached:

- a) Affiliation notification issued by VTU for 2018-19
- b) Proceedings of the Committee for selection of Projects:

S.No	Branch		Title of the Project	Name/ Names of student	Name of Guide	Remarks
1		1				
		2				
2		1				
		2				

Contd..2

6. A detailed report of the project shall be sent to the undersigned at the end of semester, not later than **10th May, 2019** without fail.

7. The proposal received after the last date will not be considered.

8. Further, the selected projects will be permitted for exhibition at VTU Head Office, Belagavi, which will be intimated in due course of time.

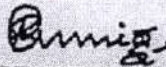
This is for information and needful.

By Order,
Sd/-
REGISTRAR

To,
The Principals of all Colleges

Copy FWCs to:

1. The Registrar (Evaluation), VTU Belagavi, for information and needful
2. The Finance Officer, VTU, Belagavi
3. The In-charge Regional Directors, (Bangalore, Belagavi Mysore Kalaburgi) with request to circulate the same
4. The Secretary to VC, VTU Belagavi, for information.
5. The Concerned Case-workers of Academic Section, VTU, Belagavi
6. CNC to Upload on VTU website


REGISTRAR

YD 2/3/19



Principal
RAJARAJESWAR!
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

RajaRajeswari College of Engineering

(Approved by AICTE, New Delhi, Govt. of Karnataka & Affiliated to Visvesvaraya Technological University, Belgaum)

Sponsored by: MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST



Date: 22.03.2019

Ref. RRCE/FA/IP/2018-19/

To
The Registrar
Visvesvaraya Technological University,
"Jnanasangama", Belagavi-590018

Sir,

Sub: Financial Assistance for Innovative Projects of Final Year UG Students for the Year 2018-19 reg.

Ref: VTU Circular No. VTU/BGM/Aca-OS/Gen-Cir/2018-19/10716
Dt.: 02.03.2019

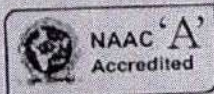
With reference to the above subject, I am submitting herewith the following proposals from ME, CSE, ECE, CVE, ISE & EEE departments along with supporting documents for considering the same oblige.

Sl. No.	Branch		Title of the Project	Name/Names of Student	Name of Guide	Remarks
01.	CSE	01.	Autonomous Garbage Collecting Robot using IOT	1. Ranjith L P 2. Akash M B 3. Sithara N S 4. Shravan Kumar B	Prof. Vandana B (Asst. Prof)	Recommended
		02	Block Chain Based Loyalty Platform	1. Manu R 2. Manjunatha M S 3. Kavya S 4. Chaya Bhat C	Dr. S Usha (Prof. & HoD)	Recommended
02.	ME	01.	Design And Fabrication of WARBOT	1. Nitish D Muttur 2. Pramod Mohan Hegde 3. Rahul Prakash S	Prof. Pramod V Koppale (Assoc. Prof) Principal RAJESWARI ENGINEERING Ramohalli Cross, Bengaluru-7	Recommended

RajaRajeswari College of Engineering

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		02.	Experimental Analysis of Heat Transfer in a Rotating Receiver Tube of A Parabolic Trough Collector	4. Yashawanth S M 1. Mohammed Saud 2. Pavan L M 3. Pavan N 4. Prashanth M	Prof. N Sreenivasalu Reddy (Assoc.Prof)	Recommended
03.	Civil	01.	Recycling of Industrial Solids hazardous/Non-hazardous waste in to building materials	1. Mohammed Mudassir Raza 2. Praveen S 3. Sundaraju H C 4. Yogesh D	Prof. Gangadhar N (Asst.Prof)	Recommended
		02.	Defluoridation of Water Using Tamarind Seeds As Low Cost Natural Adsorbent	1. Nagesh 2. Nandan Gowda T 3. Nikhil Sagar T C 4. Pavan P M	Prof. Malarvizhi (Assoc.Prof)	Recommended
04.	ISE	01.	Development of Smart Healthcare System Connecting e-Health Sensors and the Cloud for Rural Healthcare	1. Anusha N 2. Deepthi S M 3. Manish Adithya H M 4. Madhu M	Dr. J Amutharaj (Prof. & HOD)	Recommended
		02.	Development of an IOT based System for providing Standard Lifestyle to Hearing Impaired	1. Bindhushree C A 2. Chaithra M 3. Monisha G	Prof. Vinutha H (Asst. Prof)	Recommended

Principal
RAJARAJESWARI

COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

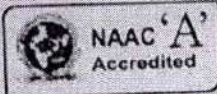
Campus

#14, Ramohalli Cross, Kumbalgodu, Mysore Road
Bengaluru - 560 074
Ph : 080 - 28437124 / 28437375 Fax : 080 - 28437373
E-mail : info@rrce.org, enquiry@rrce.org

RajaRajeswari College of Engineering

(Approved by AICTE, New Delhi, Govt. of Karnataka & Affiliated to Visvesvaraya Technological University, Belgaum)

Sponsored by: MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST



			and Visually Challenged People			
05.	ECE	01.	IOT Enabled Smart Garden Monitoring	1. Vijetha Shravya 2. Pragathi P 3. Shilpa Vasu Naik 4. S. Kruthika Kumari	Dr. L Rangaiah (Prof. & HoD)	Recommended
		02.	Design and Implementation of an Intelligent System for Crop and Leaf Protection	1. Bhumika M 2. Navya J 3. Nayana T M	Prof. P Bhuvaneshwar i (Asso.Prof)	Recommended
06.	EEE	01.	Implementation of Vedic Sutra Based Digital Multiplier on FPGA	1. Harshitha K J 2. Bharath V 3. Ganesh K 4. Chaithra K	Prof. Pavan Kumar K R (Asst.Prof)	Recommended
		02.	Voice enabled home automation using raspberry pi "ALEXA"	1. Adnan Azeez 2. Sachin J M 3. Prajwal R 4. Sikandar Basha	Prof. Pavan Kumar K R (Asst. Prof)	Recommended

The above proposals are submitted herewith for your kind consideration and oblige.

Thanking you,

Yours faithfully,

J. adl
Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74
RYAS [22/3/19]
Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Encl: as above

RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi

Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 3.1.1

Academic Year: 2018-2019



VGST-RGS

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Karnataka Science and Technology Promotion Society

Dept. of Information Technology, Bio Technology and Science & Technology, GoK
"Vijnana Bhavan", 3rd Floor, #24/2, 21st Main Road, Banashankari 2nd Stage, Bangalore-70
Ph/fax : 080-26711166, E-mail : ksteps.dst@gmail.com

Dr. H. Honne Gowda
Special Director (Technical),
Dept. of IT, BT and S&T/ Managing director, KSTePS

No. KSTePS/VGST-RGS/F/GRD No.738 /2017-18

Date: 27.08.2018

Dear Sir/Madam,

Sub: Intimation of selection of RGS/F Project under the VGST scheme -reg.

Greetings from KSTePS, Dept. of Information Technology, Biotechnology and Science and Technology!!

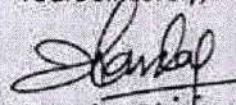
We are pleased to inform you that the RGS/F Engineering program titled "Performance Improvement and Characterization of thin films solar cells" submitted under the VGST scheme for the Financial Year 2017-18 has been approved by the Government based on the recommendations of Vision Group on Science and Technology under the Chairmanship of Prof. CNR Rao, Honorary President, JNCASR. You may kindly initiate necessary action for organization of the program at the earliest.

Please provide the cheque in favour address of your Institution, for releasing the sanctioned grants.


I want to personally thank you for being selected as one of the VGST program members and we wish you a great success in organization of the program.

Thanking You

Yours sincerely,


Managing Director

To,
The Principal
Rajarajeshwari College of Engineering
No.14, Kumbalgodu, Ramohalli Cross
Mysore Road, Bengaluru - 560 074


Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

CC: 1. Prof. B. D. Wadekar, Dept. of Mechanical Engg., Rajarajeshwari College of Engineering, No.14 Kumbalgodu, Ramohalli Cross, Mysore Road, Bengaluru - 560 074 - RGS/F Grantee.

2. Consultant, Vision Group on Science and Technology, KSTePS, Dept. of IT, BT and S&T
Karnataka Government Secretariat, Room No. 702, 7th Floor, 4th Gate, M. S. Building
Dr. Ambedkar Veedhi, Bangalore- 560 001.



ಕರ್ನಾಟಕ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಪ್ರೋತ್ಸಾಹಕ ಸೊಸೈಟಿ

ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ, ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಹಾಗೂ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆ, ಕರ್ನಾಟಕ ಸರ್ಕಾರ
'ವಿಜ್ಞಾನ ಭವನ' ನಂ: 24/2, 3ನೇ ಮಹಡಿ, 21ನೇ ಮುಖ್ಯ ರಸ್ತೆ, ಬನಶಂಕರಿ 2ನೇ ಹಂತ, ಬೆಂಗಳೂರು-560 070
ದೂರವಾಣಿ/ಫ್ಯಾಕ್ಸ್: 080-26711166 / 26711160 ಇ-ಮೇಲ್: ksteps.dst@gmail.com

ಡಾ. ಹೆಚ್. ಹೊನ್ನೇಗೌಡ
ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೆಸ್ಪೆಪ್

ನಂ. KSTePS/VGST/RGS/F/2017-18/GRD-738/101/2018-19

ಮಾನ್ಯರೇ,

ವಿಷಯ: 2017-18ನೇ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ದಾರ್ಶನಿಕ ಸಮೂಹದ RGS/F ಯೋಜನೆಯಡಿಯಲ್ಲಿ
ಅನುದಾನ ಬಿಡುಗಡೆ ಮಾಡುವುದರ ಬಗ್ಗೆ.

ಉಲ್ಲೇಖ: 1) ಸರ್ಕಾರಿ ಆದೇಶ ಸಂಖ್ಯೆ: ವಿಯಇ 154 ವಿತ್ತಮ 2018(ಭಾಗ-2), ದಿ: 18.08.2018

2) ಕಛೇರಿ ಪತ್ರ ಸಂಖ್ಯೆ: No. KSTePS/VGST-RGS/F/GRD No.738/2017-18/157, Date: 27.08.2018

ಮೇಲ್ಕಂಡ ವಿಷಯ ಮತ್ತು ಉಲ್ಲೇಖಗಳಿಗೆ ಸಂಬಂಧಿಸಿದಂತೆ, 2017-18ನೇ ಸಾಲಿನಲ್ಲಿ ತಮ್ಮ ಸಂಸ್ಥೆಯಿಂದ ಸಲ್ಲಿಸಿದ ಪ್ರಸ್ತಾವನೆಯಾದ "Performance Improvement and Characterization of thin films solar cells"ನ್ನು ವಿತಂದಾಸದ ಪ್ರಮುಖ ಕಾರ್ಯಕ್ರಮವಾದ Research Grant for Scientist/Faculties (RGS/F) ನ ಯೋಜನೆಯಡಿಯಲ್ಲಿ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ದಾರ್ಶನಿಕ ಸಮೂಹವು ಆಯ್ಕೆ ಮಾಡಿದ್ದು, ಅದರಂತೆ ಆದೇಶ ನೀಡಿರುವುದು ಸರಿಯಷ್ಟೆ.

ಈ ಸಂಬಂಧ, ವಿತಂದಾಸದ RGS/F ಯೋಜನೆಯಡಿ ಆಯ್ಕೆಯಾದ ತಮ್ಮ ಸಂಸ್ಥೆಗೆ ರೂ. 5.00 ಲಕ್ಷಗಳ ಅನುದಾನವನ್ನು ಬಿಡುಗಡೆ ಮಾಡಲು ದಿನಾಂಕ: 18.09.2018 ರಂದು Rajarajeswari College of Engineering, Bangalore ಹೆಸರಿನಲ್ಲಿ ಚೆಕ್ (ಸಂ. 006016) ಬರೆದು, ಸದರಿ ಚೆಕ್‌ನ್ನು ಈ ಪತ್ರದೊಂದಿಗೆ ಲಗತ್ತಿಸಿ ಕಳುಹಿಸಿಕೊಡಲಾಗಿದೆ. ಮುಂದುವರಿದು, ಚೆಕ್ ಸ್ವೀಕರಿಸಿದ ನಂತರ ಸ್ವೀಕೃತಿ ರಶೀದಿ (Acknowledgement) ಯನ್ನು ಕೆಸ್ಪೆಪ್‌ಗೆ ಕಳುಹಿಸುವುದು ಹಾಗೂ ಸದರಿ ಅನುದಾನವನ್ನು ಯಾವುದಾದರೂ ರಾಷ್ಟ್ರೀಕೃತ ಬ್ಯಾಂಕ್‌ಗಳಲ್ಲಿ ಉಳಿತಾಯ ಖಾತೆಯಲ್ಲಿಟ್ಟು (Saving Bank Account) ಅಗತ್ಯಕನುಗಣವಾಗಿ ಅನುದಾನವನ್ನು ಬಳಸುವಂತೆ ಕೋರಲಾಗಿದೆ.

ಸದರಿ ಅನುದಾನವನ್ನು ಉದ್ದೇಶಿತ ಯೋಜನೆಗೆ ಮಾತ್ರ ಬಳಸಿಕೊಳ್ಳುವುದು ಹಾಗೂ ಎಲ್ಲಾ ವೆಚ್ಚಗಳನ್ನು ಕರ್ನಾಟಕ ಸಾರ್ವಜನಿಕ ಸಂಗ್ರಹಣೆಯಲ್ಲಿ ಪಾರದರ್ಶಕತೆ ಅಧಿನಿಯಮ, 1999ರ (Karnataka Transparency in Public Procurements Act, 1999 - <http://finance.kar.nic.in/index.htm>) ಅನುಸಾರ ಹಾಗೂ ದಾರ್ಶನಿಕ ಸಮೂಹ ಅನುಮೋದಿಸಿರುವ ವಿವಿಧ ಶೀರ್ಷಿಕೆಗಳಿಗೆ ಅನುಗುಣವಾಗಿ ಯೋಜನೆಯನ್ನು ಅನುಷ್ಠಾನಗೊಳಿಸುವುದು.

V GST Wadekar

J. Adl
Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-71

भारतीय स्टेट बैंक
State Bank Of India

(40463) - RAMANASHREEARCBANASHANKARIISTG
PB NO 7079 21ST MAIN OPP B D A COMPLEX
BANASHANKARI II STG, BLORE 560070
Tel. 90-26718758 IFS Code : SBIN0040463

कल 3 महीने के लिए वैध (VALID FOR 3 MONTHS ONLY)
1 8 0 9 2 0 1 8
D D M M Y Y Y Y

Payee Rajarajeswari College of Engineering, Bengaluru मा धारक को OR BEARER
रुपये RUPEES Five Lakhs Only अदा करे ₹ 5,00,000/-

12-09-2018

अ. सं.
A/c No. 64110830474
SB ACCOUNT
PREFIX:
1515500083

VALID UPTO ₹ 10 LACS AT NON-HOME BRANCH

[Signature]
MANAGING DIRECTOR, KARNATAKA SCIENCE AND
TECHNOLOGY PROMOTION SOCIETY

MULTI-CITY CHEQUE Payable at Par at All Branches of SBI

Please sign above

⑈006016⑈ 560002380⑈ 010137⑈ 31

[Signature]
Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-77



RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi

Affiliated to the Visvesvaraya Technological University, Belagavi

Criterion: 3.1.1

Academic Year: 2017-18



2017-18

J. adl

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi
Affiliated to the Visvesvaraya Technological University, Belagavi

Criterion: 3.1.1

Academic Year: 2017-2018




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)

Name of the Project/ Endowments, Chairs	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)
2017-18							
A New Method Of Cashless Money Transaction-Electronic Demonetization Approach	Dr. Janaki K, Shashikiran C	CSE	2018	0.04	6 Months	Karnataka State Council for Science and Technology (KSCST)	Government
Performance Monitoring and Improvement in High Volume web portals	Prof. Vandana B, Jayashree A, Kumuda P, Nandini C R	CSE	2018	0.035	6 Months	Karnataka State Council for Science and Technology (KSCST)	Government
Application of Green House	Dr. J. Amutharaj, Ajay M.P, Chinmai	ISE	2018	0.04	6 Months	Karnataka State Council for Science	Government

#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru-74

<https://www.rrce.org>

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Ramohalli Cross, Bengaluru-74



RAJARAJESWARI COLLEGE OF ENGINEERING

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Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 3.1.1

Academic Year: 2017-2018

Management for Crop Irrigation using IOT	S.M, Harshitha S.N, Jyothi.L					and Technology (KSCST)	
Health monitoring system for cattle and electronics milk testing equipment	Dr. P. Bhuvaneshwari, Harshitha Diwakar, Dayakar, Dharshan	ECE	2018	0.05	6 Months	Karnataka State Council for Science and Technology (KSCST)	Government
Smart city green corridor for time critical applications using wireless sensor network and internet of things	Dr. Jyothi A. P., Govardhan G, Govardhan G, Nyima Dakpa, Sathvik S M Jain, Syed Ruman S A	ECE	2018	0.05	6 Months	Karnataka State Council for Science and Technology (KSCST)	Government
Strength and durability characteristics of ternary blended concrete with GGBS and Flyash	Prof. G K Kamalakar, Keerthana K	CIVIL	2018	0.045	6 Months	Karnataka State Council for Science and Technology (KSCST)	Government
Experimental Study of Heat Transfer on Receiver Tube of Parabolic Collector with Continuous Helical Fins	Dr. N. Sreenivasalu Reddy, Arun Dutt R	Mechanical Engineering	2018	0.06	6 Months	Karnataka State Council for Science and Technology (KSCST), Govt. of Karnataka	Government
Design and Fabrication of	Dr. N. Sreenivasalu Reddy, Girish K	Mechanical Engineering	2018	0.07	6 Months	Karnataka State Council for Science	Government

Principal

#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru-74

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Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 3.1.1

Academic Year: 2017-2018

Dual Purpose Refrigerator For Agriculture						and Technology (KSCST), Govt. of Karnataka	
Experimental Investigation on Use of Pre-Heated Neem Oil in Diesel Engine	Dr. N. Sreenivasalu Reddy, Ramachandre Gowda P L	Mechanical Engineering	2018	0.17	6 Months	Karnataka State Council for Science and Technology (KSCST), Govt. of Karnataka	Government
Self Defence System for Women with Location Tracing and SMS Alerting through GSM Network using IOT	Dr. Neha Singhal, Varsha S.R, Rajeshwari L.N, Radhamani, Shivakumar	ISE	2018	0.05	6 Months	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Application of Green House Management for Crop Irrigation using IOT	Dr. J. Amutharaj, Ajay M.P, Chinmai S.M, Harshitha S.N, Jyothi.L	ISE	2018	0.05	6 Months	VTU Financial Assistance for innovative projects for Final Year UG students	Government
Total Amount				0.66			

J. oad
Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

J. oad
Principal
Principal
RAJARAJESWARI
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Ramohalli Cross, Bengaluru-74

RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi

Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 3.1.1

Academic Year: 2017-2018



KSCST Grants

J. ood

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Karnataka State Council for Science and Technology
Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. S. G. Sreekanth Swamy
Executive Secretary

Ref: 7.1.03/SPP/43

The Principal
RajaRajeswari College of Engineering
14, Ramohalli Cross Road,
Mysore Road,, Kumbalodu,
Bengaluru - 560074

RAJARAJESWARI COLLEGE OF ENGINEERING Bengaluru - 560 074		
Date	28/4/18	Remark
Inward No	183	
File		

13th April 2018

Dear Sir,

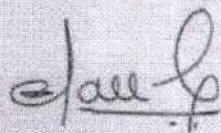
Subject: 41st Series Student Project Programme (SPP) Grant.
Reference : Council letter No.7.1.02/SPP/656 dated 30-11-2017


With reference to the above , please find the enclosed herewith below mentioned cheque in your favour towards amount sanctioned for different projects under 41st Series of Student Project Programme(SPP) (Project list enclosed).

Cheque No	Cheque Date	Cheque Amount Rs.	No. of Projects Sanctioned
660472	28-03-2018	Rs. 39,000.00	8

You are requested to utilize the sanctioned amount for the referred projects and send us the utilization certificate duly certified by the Chartered Accountant and yourself.(Format Enclosed).

Thanking you & with best regards,
Yours sincerely,


(SGS Swamy)


Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Canara Bank

आई आई एससी, बंगलूर - 560 012
11 Sc, Bangalore - 560 012
2015 MCRBU IFSC CNRB0000683

"Valid for three months only from the date of instrument"

चाखा CA

28032018
D D M M Y Y Y Y

Pay The Rajarajeshwari College of Engineering Bengaluru या धारक को Or Bearer

Rupees रुपये Thirty Nine thousand only

अदा करें ₹ 39000/-

खा. नं. A/c. No. 0683201000024

"Payable at par at all our branches in India"

For K. S. C. S. T
[Signature]
Executive Secretary

For K. S. C. S. T
[Signature]
Secretary
Please sign above

660472 5600150231

29

[Signature]
Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-77



आई आई एस सी, बंगलूर - 560 012
11 Sc, Bangalore - 560 012
2015 MCRBU IFSC CNRB0000683

"Valid for three months only from the date of instrument"
चा खा | CA 28032018
D D M M Y Y Y Y

Pay The Rajarajeshwari College of Engineering Bengaluru खा धारक को Or Bearer

Rupees रुपये Thirty Nine thousand only

अदा करें ₹ 39000/-

खा. सं. A/c. No. 0683201000024

"Payable at par at all our branches in India"

For K. S. C. S. T
[Signature]
Executive Secretary

For K. S. C. S. T
[Signature]
Secretary
Please sign above

⑈660472⑈ 560015023⑈

29

[Signature]
Principal
RAJARAJESWAR
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7.



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 • Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in • Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. S. G. Sreekanteswara Swamy
Executive Secretary

Ref: 7.1.01/SPP/08

28th March, 2018

The Principal,
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalagodu, Mysuru Road,
Bengaluru - 560 074.

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018
Your Project Proposal Reference No. : 41S_BE_2124

Ref : Your Project Proposal entitled "

A NEW METHOD OF CASHLESS MONEY TRANSACTIONS-ELECTRONIC DEMONETIZATION APPROACH

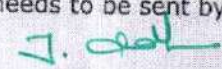
I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Mr. Shashikiran C and others	Budget	Amount (Rs)
		Materials/Consumables	3,000.00
Guide/s	Dr. Janaki K	Labor	-
		Travel	-
Department	Computer Science And Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	4,000.00
RUPEES FOUR THOUSAND			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your project sanction reference number printed above in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:

- 1) Title of the project
- 2) Name of the College & Department
- 3) Name of the students & Guide(s)
- 4) Keywords


Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

5) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

41S_BE_2124

e) Projects selected for Seminar / Exhibition will be awarded.

The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.

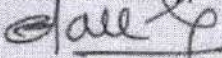
DEMO OF SECURE TRANSACTIONS REQUIRED.

The sanctioned amount will be sent separately by our Accounts Department.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by email / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Yours sincerely,



(S.G.S. Swamy)

Copy to:

- 1) The Head of the Department of
Computer Science And Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.
- 2) Dr. Janaki K
Department of Computer Science And Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.
- 3) The Finance Officer, KSCST, Bengaluru



Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. S. G. Sreekanteswara Swamy
Executive Secretary

Ref: 7.1.01/SPP/08

28th March, 2018

The Principal,
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018
Your Project Proposal Reference No. : **41S_BE_1703**

Ref : Your Project Proposal entitled " **PERFORMANCE MONITORING AND IMPROVEMENT
IN HIGH VOLUME WEB PORTALS**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Ms. Jayashree A and others	Budget	
		Materials/Consumables	2,500.00
Guide/s	Prof. Vandana B	Labor	-
		Travel	-
Department	Computer Science And Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	3,500.00
RUPEES THREE THOUSAND FIVE HUNDRED			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords

J. Reddy Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

5) Introduction / background

41S_BE_1703

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

e) Projects selected for Seminar / Exhibition will be awarded.

The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.

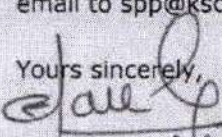
STATICS OF GOOGLE RATINGS AND YOUR ANALYSIS TO BE COMPARED.

The sanctioned amount will be sent separately by our Accounts Department.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by email / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Yours sincerely,



(S.G.S. Swamy)

Copy to:

- 1) The Head of the Department of
Computer Science And Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.
- 2) Prof. Vandana B
Department of Computer Science And Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.
- 3) The Finance Officer, KSCST, Bengaluru



Principal
RAJARAJESHWARI
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Karnataka State Council for Science and Technology

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Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. S. G. Sreekanteswara Swamy
Executive Secretary

Ref: 7.1.01/SPP/08

28th March 2018

The Principal,
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018
Your Project Proposal Reference No. : **41S_BE_1303**

Ref : Your Project Proposal entitled " **APPLICATION OF GREEN HOUSE MANAGEMENT FOR CROP IRRIGATION USING IOT**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Ajay Mp and others	Budget	Amount (Rs)
		Materials/Consumables	3,000.00
Guide/s	Dr. J Amutharaj, M.E., Ph.D	Labor	-
		Travel	-
Department	Information Science And Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	4,000.00
	RUPEES FOUR THOUSAND		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :

- Title of the project
- Name of the College & Department
- Name of the students & Guide(s)
- Keywords

J. *[Signature]* Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

121

6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

e) Projects selected for Seminar / Exhibition will be awarded.

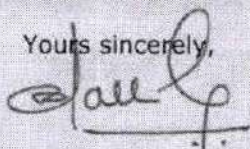
The sanctioned amount will be sent separately by our Accounts Department.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(S.G.S. Swamy)

Copy to:

- 1) The Head of the Department of
Information Science And Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.
- 2) Dr. J Amutharaj, M.E., Ph.D
Department of Information Science And Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.
- 3) The Finance Officer, KSCST, Bangalore



Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341552, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. S. G. Sreekanteswara Swamy
Executive Secretary

Ref: 7.1.01/SPP/08

The Principal,
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalagodu, Mysuru Road,
Bengaluru - 560 074.

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018
Your Project Proposal Reference No. : 41S_BE_0415

Ref : Your Project Proposal entitled " **HEALTH MONITORING SYSTEM FOR CATTLE AND ELECTRONIC MILK TESTING EQUIPMENT**

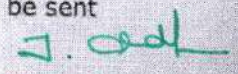
I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Ms. Harshithaa Diwakara and others	Budget	Amount (Rs)
		Materials/Consumables	4,000.00
Guide/s	Prof. P Bhuvaneswari	Labor	-
		Travel	-
Department	Electronics And Communication Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	5,000.00
RUPEES FIVE THOUDSAND			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
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- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :

- Title of the project
- Name of the College & Department
- Name of the students & Guide(s)
- Keywords

Principal 
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

e) Projects selected for Seminar / Exhibition will be awarded.

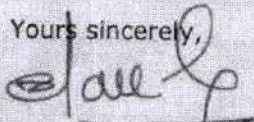
The sanctioned amount will be sent separately by our Accounts Department.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(S.G.S. Swamy)

Copy to:

- 1) The Head of the Department of
Electronics And Communication Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.
- 2) Prof. P Bhuvaneswari
Department of Electronics And Communication Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.
- 3) The Finance Officer, KSCST, Bangalore



Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. S. G. Sreekanteswara Swamy
Executive Secretary

Ref: 7.1.01/SPP/08

28th March 2018

The Principal,
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018
Your Project Proposal Reference No. : **41S_BE_0678**

Ref : Your Project Proposal entitled " **SMART CITY GREEN CORRIDOR FOR TIME CRITICAL APPLICATIONS USING WIRELESS SENSOR NETWORK AND INTERNET OF THINGS**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Goverdhan.G and others	Budget	Amount (Rs)
		Materials/Consumables	4,000.00
Guide/s	Mrs. Jyothi.A.P.	Labor	-
		Travel	-
Department	Electronics And Communication Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	5,000.00
	RUPEES FIVE THOUDSAND		

The following are the guidelines to carryout the project work :

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- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :

- Title of the project
- Name of the College & Department
- Name of the students & Guide(s)
- Keywords

J. O. S.
Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-77

125

6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

e) Projects selected for Seminar / Exhibition will be awarded.

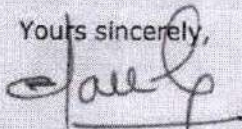
The sanctioned amount will be sent separately by our Accounts Department.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,


Yours sincerely,



(S.G.S. Swamy)

Copy to:

- 1) The Head of the Department of
Electronics And Communication Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.
- 2) Mrs. Jyothi.A.P.
Department of Electronics And Communication Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.
- 3) The Finance Officer, KSCST, Bangalore


Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. S. G. Sreekanteswara Swamy
Executive Secretary

Ref: 7.1.01/SPP/08

The Principal,
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalodu, Mysuru Road,
Bengaluru - 560 074.

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018
Your Project Proposal Reference No. : **41S_BE_0384**

Ref : Your Project Proposal entitled " **STRENGTH AND DURABILITY CHARACTERISTICS OF
TERNARY BLENDED CONCRETE WITH GGBS AND FLY ASH**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Ms. Keerthana K and others	Budget	Amount (Rs)
		Materials/Consumables	3,500.00
Guide/s	Mr. Kamalakara G K	Labor	-
		Travel	-
Department	Civil Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	4,500.00
RUPEES FOUR THOUSAND FIVE HUNDRED			

The following are the guidelines to carryout the project work :

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- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :

- Title of the project
- Name of the College & Department
- Name of the students & Guide(s)
- Keywords

J. oad
Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

127

6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

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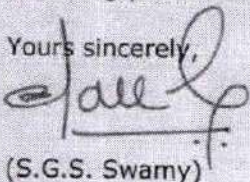
The sanctioned amount will be sent separately by our Accounts Department.

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Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,


Yours sincerely,



(S.G.S. Swamy)

Copy to:

- 1) The Head of the Department of
Civil Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.
- 2) Mr. Kamalakara G K
Department of Civil Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.
- 3) The Finance Officer, KSCST, Bangalore


Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Karnataka State Council for Science and Technology
Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 • Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in • Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. S. G. Sreekanth Swamy
Executive Secretary

Ref: 7.1.03/SPP/43

The Principal
RajaRajeswari College of Engineering
14, Ramohalli Cross Road,
Mysore Road., Kumbalgodu,
Bengaluru - 560074

Dear Sir,

Subject: 41st Series Biofuel Student Project Programme (SPP) Grant.

Reference : Council letter No.7.1.02/SPP/732 dated 01-01-2018.

With reference to the above , please find the enclosed herewith below mentioned cheque in your favour towards amount sanctioned for different projects under 41st Series of Biofuel Student Project Programme(SPP) (Project list enclosed).

Cheque No	Cheque Date	Cheque Amount Rs.	No. of Projects Sanctioned
660136	28-03-2018	Rs. 17,000.00	1

You are requested to utilize the sanctioned amount for the referred projects and send us the utilization certificate duly certified by the Chartered Accountant and yourself.(Format Enclosed).

Thanking you & with best regards,
Yours sincerely,

(SGS Swamy)

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-7



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. S. G. Sreekanteswara Swamy
Executive Secretary

Ref: 7.1.01/SPP/08

28th March 2018

The Principal,
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalagodu, Mysuru Road,
Bengaluru - 560 074.

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018
Your Project Proposal Reference No. : 41S_BE_2097

Ref : Your Project Proposal entitled " **EXPERIMENTAL STUDY OF HEAT TRANSFER ON RECEIVER TUBE OF PARABOLIC COLLECTOR WITH CONTINUOUS HELICAL FINS**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Arun Dutt R and others	Budget	Amount (Rs)
		Materials/Consumables	5,000.00
Guide/s	Prof. N Seernivasalu Reddy	Labor	-
		Travel	-
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	6,000.00
RUPEES RUPEES SIX THOUSAND			

The following are the guidelines to carryout the project work :

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- Title of the project
- Name of the College & Department
- Name of the students & Guide(s)
- Keywords

J. J. J.
Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-77

6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

e) Projects selected for Seminar / Exhibition will be awarded.

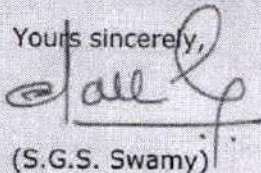
The sanctioned amount will be sent separately by our Accounts Department.

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Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,


Yours sincerely,



(S.G.S. Swamy)

Copy to:

- 1) The Head of the Department of
Mechanical Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.
- 2) Prof. N Seernivasalu Reddy
Department of Mechanical Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.
- 3) The Finance Officer, KSCST, Bangalore


Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

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Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. S. G. Sreekanteswara Swamy
Executive Secretary

Ref: 7.1.01/SPP/08

The Principal,
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.

28th March 2018

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018
Your Project Proposal Reference No. : **41S_BE_2098**

Ref : Your Project Proposal entitled " **DESIGN AND FABRICATION OF DUAL PURPOSE REFRIGERATOR FOR AGRICULTURE**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Girish K and others	Budget	Amount (Rs)
		Materials/Consumables	6,000.00
Guide/s	Prof. N Sreenivasalu Reddy	Labor	-
		Travel	-
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	7,000.00
	RUPEES SEVEN THOUSAND		

The following are the guidelines to carryout the project work :

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- Title of the project
- Name of the College & Department
- Name of the students & Guide(s)
- Keywords

J. oad
Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

132

6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

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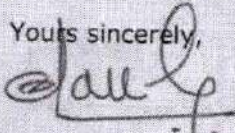
The sanctioned amount will be sent separately by our Accounts Department.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,


Yours sincerely,



(S.G.S. Swamy)

Copy to:

- 1) The Head of the Department of Mechanical Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.
- 2) Prof. N Sreenivasalu Reddy
Department of Mechanical Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074.
- 3) The Finance Officer, KSCST, Bangalore


Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Karnataka State Council for Science and Technology

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Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. S. G. Sreekanteswara Swamy
Executive Secretary

Ref: 7.1.01/SPP/08

The Principal,
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074

Dear Sir,

Sub : Sanction of Student Project (Biofuel) - 41st Series : Year 2017-2018

Your Project Proposal Reference No. :

41S_B_MTECH_003

Ref : Your Project Proposal entitled "

EXPERIMENTAL INVESTIGATION ON USE OF PRE-HEATED NEEM OIL BIODIESEL IN DIESEL ENGINE

28th MARCH 2018

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TPE
OK

RAJARAJESHWARI COLLEGE OF ENGINEERING	
Date	22/4/18
Inward No	184
File	

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme (Biofuel) 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Ramachandregowda P.L.	Budget	Amount (Rs)
	and others	Materials/Consumables	2,500.00
Guide/s	Prof. Sreenivasalu Reddy	Labor	1,000.00
		Travel	1,000.00
		Analysis	12,000.00
Department	Thermal Power Engineering	Miscellaneous	-
		Report	500.00
		TOTAL	17,000.00
RUPEES SEVENTEEN THOUSAND			

The following are the guidelines to carryout the project work :

- The project should be carried out based on the objectives of the proposal sent by you.
- The project should be completed in all respects and **a) One copy** of the hardbound report **b)** Softcopy of the full report (including coverpages, abstract & preliminary pages in a CD (.doc and .pdf format)
- The project report shall mention the name of "**Karnataka State Bioenergy Development Board and Karnataka State Council for Science and Technology**" as sponsored organisations in the title page. Project Title or the objectives can be altered only with prior permission of KSCST. Any change in the project are strictly prohibited and liable for rejection and the amount sanctioned has to be returned back to KSCST. The fund is to be utilised only for the activities to which it has been released.
- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [biofuelcell.kscst@gmail.com] and should include following :

- Title of the project
- Name of the College & Department

J. adh
Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

3) Name of the students & Guide(s)

4) Keywords

5) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide.

The softcopy of the write-up, in MS Word format, should be sent by e-mail

(biofuelcell.kscst@gmail.com). In your e-mail, please also include project proposal reference number and title of the project.)

e) Best Projects will be awarded in Final Seminar / Exhibition.

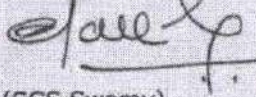
The amount sanctioned for the selected projects will be sent by cheque.

The Mid term evaluation of the sponsored projects evaluation details will be intimated shortly by email / Website announcement..

Please visit our website for further announcements / information and for any clarifications please email to biofuelcell.kscst@gmail.com

Thanking you and with best regards,


Yours sincerely,



(SGS Swamy)

Copy to:

- 1) The Head of the Department of
Thermal Power Engineering
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074
- 2) Prof. Sreenivasalu Reddy
Department of Thermal Power Engineering
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074
- 3) The Finance Officer, KSCST, Bangalore


Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi

Affiliated to the Visvesvaraya Technological University, Belagavi

Criterion: 3.1.1

Academic Year: 2017-2018



VTU Funded Innovative Projects

J. Reddy

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Visvesvaraya Technological University

"Jnana Sangama", Belgaum - 590 018, Karnataka State

Dr. H.N. Jagannatha Reddy, M.Sc., Ph.D.
REGISTRAR

Phone : (0831) 2405468
Fax : (0831) 2405467

Ref. No. VTU/Aca/2018-19/554/96

Date: 4 JUN 2018

To,
The Principal
Rajarajeswari College of Engineering, Bangalore

Sir/Madam,

Sub: Sanction of Financial Assistance to the selected projects of UG
students of your Institution

Ref: VTU/Aca/2017-18/9702, dtd: 18th January 2018

With reference to the above subject, please find herewith a D.D Bearing No 636231, Dated 25-May-18 of Rs. 10,000 towards the sanction of Financial Assistance to the selected projects of UG students. You are requested to give the amount to the concerned students and obtain an acknowledgement for the same.

The students' receipt of acknowledgement should be sent to the undersigned on or before 15-6-2018.

Yours faithfully

REGISTRAR

Encl: as above

J. Adh

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bangalore-74

ICICI Bank

KUMBALAGODU Branch

Rajarajeshwari College of Engg., No.14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bangalore-560074

RTGS / NEFT IFS Code : ICIC0002637

PAYEE'S A/C ONLY

VALID FOR THREE MONTHS ONLY

09082018
D D M M Y Y Y Y

Amutharaj

Or Bearer

Five thousand only -

₹ 5000/-

A/c No.

263701000032

29/3/18

SBTAS

CBS

WEALTH MANAGEMENT : SAVINGS ACCOUNT

Payable at par at all branches of ICICI Bank Limited in India

FOR RAJARAJESHWARI COLLEGE OF ENGINEERING



[Signature]

TRUSTEE (S)
Please sign above

⑈000768⑈ 560229075⑈ 000032⑈ 31

ICICI Bank

KUMBALAGODU Branch

Rajarajeshwari College of Engg., No.14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bangalore-560074

RTGS / NEFT IFS Code : ICIC0002637

PAYEE'S A/C ONLY

VALID FOR THREE MONTHS ONLY

09082018
D D M M Y Y Y Y

Pay Neha Singhal

Or Bearer

Rupees Five thousand only -

₹ 5000/-

A/c No.

263701000032

29/3/18

SBTAS

CBS

WEALTH MANAGEMENT : SAVINGS ACCOUNT

Payable at par at all branches of ICICI Bank Limited in India

FOR RAJARAJESHWARI COLLEGE OF ENGINEERING



[Signature]

TRUSTEE (S)
Please sign above

⑈000769⑈ 560229075⑈ 000032⑈ 31

for NEHA SINGHAL

11/8/2018

[Signature]

Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi

Affiliated to the Visvesvaraya Technological University, Belagavi

Criterion: 3.1.1

Academic Year: 2016-17



2016-17

J. adl

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi
Affiliated to the Visvesvaraya Technological University, Belagavi

Criterion: 3.1.1

Academic Year: 2016-2017



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)

Name of the Project/ Endowments, Chairs	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)
2016-17							
Numerical Investigation of Effect of Plasto-Elastic Behavior around the notches under cyclic loading	Dr Vishwanath K C	Mechanical Engineering	2017	0.75	1 Year	IEI Grant	Government
Unmanned Underwater Vehicle using LiFi Technology for communication.	Dr. Usha S, Hemanko Baidya	CSE	2017	0.05	6 Months	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government

#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru-74

<https://www.rrce.org>

J. adl
Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



RAJARAJESWARI COLLEGE OF ENGINEERING

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Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 3.1.1

Academic Year: 2016-2017

De-frothing of lake water using solar power	Prof. Pavan Kumar K R, Prof. Pradeepa D, Pavithra S, Pooja S B, Rahul U S, Jerin James	EEE	2017	0.075	6 Months	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government
Application of internet of things in automated irrigation system(3phase)	Prof. Prasad A Y, Rakshith. K. V, Ashwini R	ISE	2017	0.045	6 Months	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government
Smart Security Solution For Women Using IOT	Prof. Saroja Maralabhavi, Harshitha.N, Ishwarya.S, Pravallika.R, Jayalakshmi.K.V	ECE	2017	0.065	6 Months	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government
Development of system for estimation of NPK and PH in soil and disease detection in soil and leaves	Prof. Santosh Chavan R, Spoorthy H R	ECE	2017	0.065	6 Months	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government
Experimental Investigation of Reciever Tube of Solar Parabolic Through Collector with Twisted Tape Inserts	Prof. Wadekar B D, Prashanth Y	Mechanical Engineering	2016	0.07	6 Months	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government

J. adl
Principal
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COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



RAJARAJESWARI COLLEGE OF ENGINEERING

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Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 3.1.1

Academic Year: 2016-2017

Experimental Investigation of a Single Cylinder Four Stroke Diesel Engine Using Vegetables Oil of Different Proportions with Diesel	Dr. N. Sreenivasalu Reddy, & Dr PruthviRaj R.D, Akash S J	Mechanical Engineering	2016	0.085	6 Months	Karnataka State Council for Science and Technology(KSCST), Govt. of Karnataka	Government
Total Amount				1.205			

J. oad

Principal
Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

J. oad

Principal
RAJARAJESWARI
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Ramohalli Cross, Bengaluru-74

RAJARAJESWARI COLLEGE OF ENGINEERING

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Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 3.1.1

Academic Year: 2016-2017



IEI Grant

[Handwritten Signature]

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

The Institution of Engineers (India)

AN ISO 9001 : 2008 CERTIFIED ORGANISATION
(ESTABLISHED 1920, INCORPORATED BY ROYAL CHARTER 1935)
8 GOKHALE ROAD, KOLKATA - 700 020



"97 Years of Relentless Journey towards
Engineering Advancement for Nation-building"

Ref: R.6/2/DR/16-17/DR2017011

Date: 5 June 2017

Principal/ Director
RAJARAJESWARI COLLEGE OF ENGINEERING
RAMOHALLI CROSS, KUMBALAGODU, MYSORE ROAD
BANGALORE - 560074
KARNATAKA

Dear Sir/ Madam,

REF: PROJECT I.D. DR2017011

Sub: Release of IEI Grant for R&D Project entitled: "NUMERICAL INVESTIGATION OF EFFECT OF ELASTO-PLASTIC BEHAVIOR AROUND THE NOTCHES UNDER CYCLIC LOADING"

This has reference to our email regarding sanction of R&D Grant of IEI for the subject project. Kindly note, that Project ID no. **DR2017011** has been assigned to your project. Please note that all your future correspondence should bear that ID.

As informed, enclosed please find herewith a cheque no. **807048** dated **29-05-2017** for Rs. **75,000/-** in favour of **RAJARAJESWARI COLLEGE OF ENGINEERING**, drawn on Axis Bank Ltd., Kolkata payable at par at all its branches in India as grant for the R&D project as mentioned above.

Please note that the Terms & Conditions of the Grant (Copy enclosed) should be strictly followed. On successful completion of the project, the following documents are to be furnished: (1) Soft copy of the Project Report, (2) Soft copy of the Project Completion Report, (3) Hardcopies of the Utilization Certificates in duplicate and (4) Soft copy of the filled-in R&D Compendium pro-forma. The submission will be treated as successful and complete only on receipt of the above documents.

Kindly acknowledge receipt of the cheque at the email id research@ieiindia.org.

Thanking you.

J. adl

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru
Director (Technical)
For Secretary & Director General

Yours faithfully,

Forward to ED for
for kind information.
B.S.

Encl: (i) Cheque (ii) Terms & Conditions

Cc: Guide: Dr. THIRTA PRASADA H. P

J. adh

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Remohalli Cross, Bengaluru-74



VALID FOR THREE MONTHS FROM THE DATE OF ISSUE

DATE 29 05 2017
D D M M Y Y Y Y

PAY RAJARAJESWARI COLLEGE OF ENGINEERING

OR BEARER / या धारक को

RUPEES Seventy-Five Thousand Only

रुपये

₹ **75,000.00**
अदा करें

A/C NO. 005010100002704
SSGOS 005161

NOT OVER ***Rs 75,000***

For THE INSTITUTION OF ENGINEERS (INDIA)

A/C PAYEE



807043

[Signature]

Authorized Signatory (es)

Payable as per all branches of Axis Bank Ltd in India.

Please negotiate

⑈807048⑈ 7002110021 005161⑈ 31



The Institution of Engineers (India)

A Scientific and Industrial Research Organisation (SIRO)
Recognised by Government of India, Ministry of Science and Technology,
Department of Scientific and Industrial Research

Certificate of Project Completion

This is to certify that the PhD project entitled ***"Numerical Investigation of Effect of Elasto-Plastic Behaviour around The Notches under Cyclic Loading"*** bearing Project ID **DR2017011** has been successfully carried out and completed by:

Vishwanath K C, AMIE

of

Rajarajeswari College of Engineering

under the guidance of

Dr Thirtha Prasada H P, MIE

during the FY 2016-17 through funding under IEI R&D Grant-in-Aid Scheme.

J. adh

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



[Signature]

Secretary & Director General

RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi

Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 3.1.1

Academic Year: 2016-2017



KSCST Grants

J. Reddy

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-2334 1652, 2334 8848, 2334 8849 ♦ Telefax: 080-2334 8840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. S. G. Sreekanteswara Swamy
Executive Secretary

07th April 2017

Ref: 7.1.03/SPP/14

The Principal
RajaRajeswari College of Engineering
14, Ramohalli Cross Road,
Mysore Road,, Kumbalodu,
Bengaluru - 560074

Dear Sir,

Subject: 40th Series Student Project Programme (SPP) Grant.
Reference : Council letter No.7.1.02/SPP/775 dated 09-12-2016.

With reference to the above , please find the enclosed herewith below mentioned cheque in your favour towards amount sanctioned for different projects under 40th Series of Student Project Programme(SPP) .

Cheque No	Cheque Date	Cheque Amount Rs.	Cheque Amount Words	No. of Projects Sanctioned
654539	31-03-2017	Rs. 37,000.00	Rupees Thirty Seven Thousand Only	6

You are requested to utilize the sanctioned amount for the referred projects and send us the utilization certificate duly certified by the Chartered Accountant and yourself.(Format Enclosed).

Thanking you & with best regards,
Yours sincerely,

(SGS Swamy)

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



आई आई एससी, बंगलूर - 560 012
115c, Bangalore - 560 012
2015 MCRBU IFSC CNRB0000683

"Valid for three months only from the date of instrument"

वा खा | CA

31032017
D D M M Y Y Y Y

Pay The Principal, Rajarajeshwari College of Engineering, Bangalore
Rupees रुपये Thirty seven thousand only

अदा करें

₹ 37000/-

खा. नं.
A/c. No.

0683201000024

For K. S. C. S. T

[Signature]

Executive Secretary

For K. S. C. S. T

[Signature]

Secretary

Please sign above

"Payable at par at all our branches in India"

⑈654539⑈ 560015023⑈

29

[Signature]

RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramchalli Cross, Bengaluru-74



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-2334 1652, 2334 8848, 2334 8849 ♦ Telefax: 080-2334 8840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. S. G. Sreekanteswara Swamy
Executive Secretary

27th March, 2017

Ref: 7.1.03/SPP/1112

The Principal
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074

Dear Sir,

Sub : Sanction of Student Project - 40th Series: Year 2016-2017

Your Project Proposal Reference No. : 40S_BE_1169

Ref : Your Project Proposal entitled " **UNMANNED UNDERWATER VEHICLE USING LI-FI TECHNOLOGY FOR COMMUNICATION**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 40th Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Mr. Hemanko Baidya and others	Budget	Amount (Rs)
		Materials/Consumables	4,500.00
Guide/s	Dr. Usha Sakthivel	Labor	-
		Travel	-
Department	Computer Science And Engineering	Miscellaneous	-
		Report	500.00
		TOTAL	5,000.00
	Rupees Five Thousand		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords

J. osh
Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

5) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 30 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

e) Projects selected for Seminar / Exhibition will be awarded.

The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.

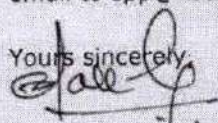
*** COMPARE LI-FI TECHNOLOGY WITH WIFI TECHNOLOGY AND PRESENT RESULTS**

The sanctioned amount will be sent separately by our Accounts Department.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Yours sincerely,



(SGS Swamy)

Copy to:

- 1) The Head of the Department of Computer Science And Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074
- 2) Dr. Usha Sakthivel
Department of Computer Science And Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074
- 3) The Finance Officer, KSCST, Bangalore



Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-2334 1652, 2334 8848, 2334 8849 ♦ Telefax: 080-2334 8840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. S. G. Sreekanteswara Swamy
Executive Secretary

Ref: 7.1.03/SPP/1112

27th March, 2017

The Principal
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074

Dear Sir,

Sub : Sanction of Student Project - 40th Series: Year 2016-2017

Your Project Proposal Reference No. : **40S_BE_1747**


Ref : Your Project Proposal entitled " **APPLICATION OF INTERNET OF THINGS IN AUTOMATED IRRIGATION SYSTEM (3 PHASE)**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 40th Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Ms. Ashwini R and others	Budget	Amount (Rs)
		Materials/Consumables	3,500.00
Guide/s	Prof. Prasad A Y	Labor	-
		Travel	-
Department	Information Science And Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	4,500.00
Rupees Four Thousand Five Hundred			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords


Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-2334 1652, 2334 8848, 2334 8849 ♦ Telefax: 080-2334 8840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. S. G. Sreekanteswara Swamy
Executive Secretary

27th March 2017

Ref: 7.1.03/SPP/1112

The Principal
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074

Dear Sir,

Sub : Sanction of Student Project - 40th Series: Year 2016-2017

Your Project Proposal Reference No. : **40S_BE_0187**

Ref : Your Project Proposal entitled " **DE-FORTHING OF LAKE WATER USING SOLAR POWER**

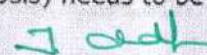
I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 40th Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Ms. Pooja S B and others	Budget	Amount (Rs)
		Materials/Consumables	6,500.00
Guide/s	Prof. Pavan Kumar K R, Prof. Pradeepa D	Labor	-
		Travel	-
Department	Electrical And Electronics Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	7,500.00
Rupees Seven Thousand Five Hundred			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :

- Title of the project
- Name of the College & Department
- Name of the students & Guide(s)
- Keywords


Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

5) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 30 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

e) Projects selected for Seminar / Exhibition will be awarded.

The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.

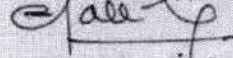
*** PROVIDE ESTIMATION OF THE PROJECT AND GIVE THE ARCHITECTURE**

The sanctioned amount will be sent separately by our Accounts Department.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in


Yours sincerely,



(SGS Swamy)

Copy to:

- 1) The Head of the Department of
Information Science And Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074
- 2) Prof. Prasad A Y
Department of Information Science And Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074
- 3) The Finance Officer, KSCST, Bangalore


Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

5) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

e) Projects selected for Seminar / Exhibition will be awarded.

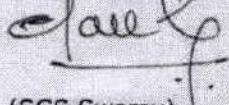
The sanctioned amount will be sent separately by our Accounts Department.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,


Yours sincerely,



(SGS Swamy)

Copy to:

- 1) The Head of the Department of
Electrical And Electronics Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074
- 2) Prof. Pavan Kumar K R, Prof. Pradeepa D
Department of Electrical And Electronics Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074
- 3) The Finance Officer, KSCST, Bangalore


Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-2334 1652, 2334 8848, 2334 8849 ♦ Telefax: 080-2334 8840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. S. G. Sreekanteswara Swamy
Executive Secretary

Ref: 7.1.03/SPP/1112

27th March 2017

The Principal
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074

Dear Sir,

Sub : Sanction of Student Project - 40th Series: Year 2016-2017
Your Project Proposal Reference No. : **40S_BE_2029**

Ref : Your Project Proposal entitled " **SMART SECURITY SOLUTION FOR WOMEN USING IOT**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 40th Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Ms. Harshitha N and others	Budget	Amount (Rs)
		Materials/Consumables	6,000.00
Guide/s	Ms. Saroja Maralabhavi	Labor	-
		Travel	-
Department	Electronics And Communication Engineering	Miscellaneous	-
		Report	500.00
		TOTAL	6,500.00
Rupees Six Thousand Five Hundred			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :

- 1) Title of the project
- 2) Name of the College & Department
- 3) Name of the students & Guide(s)
- 4) Keywords

J. adf
Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

5) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

e) Projects selected for Seminar / Exhibition will be awarded.

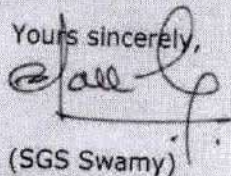
The sanctioned amount will be sent separately by our Accounts Department.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,


Yours sincerely,



(SGS Swamy)

Copy to:

- 1) The Head of the Department of
Electronics And Communication Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074
- 2) Ms. Saroja Maralabhavi
Department of Electronics And Communication Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074
- 3) The Finance Officer, KSCST, Bangalore


Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-2334 1652, 2334 8848, 2334 8849 ♦ Telefax: 080-2334 8840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. S. G. Sreekanteswara Swamy
Executive Secretary

27th March, 2017

Ref: 7.1.03/SPP/1112

The Principal
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074

Dear Sir,

Sub : Sanction of Student Project - 40th Series: Year 2016-2017

Your Project Proposal Reference No. : 40S_BE_1751


Ref : Your Project Proposal entitled " **DEVELOPMENT OF A SYSTEM FOR ESTIMATION OF NPK, PH IN SOIL AND DISEASE DETECTION IN SOIL AND LEAVES**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 40th Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Ms. Spoorthi H R and others	Budget	Amount (Rs)
		Materials/Consumables	6,000.00
Guide/s	Mr. Santosh Chavan	Labor	-
		Travel	-
Department	Electronics And Communication Engineering	Miscellaneous	-
		Report	500.00
		TOTAL	6,500.00
	Rupees Six Thousand Five Hundred		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords


Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

5) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 30 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

- e) Projects selected for Seminar / Exhibition will be awarded.

The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.

*** COME UP WITH PROTOTYPE TO BE IMPLEMENTED IN THE FIELD.**

The sanctioned amount will be sent separately by our Accounts Department.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Yours sincerely,

(SGS Swamy)

Copy to:

- 1) The Head of the Department of
Electronics And Communication Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074
- 2) Mr. Santosh Chavan
Department of Electronics And Communication Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074
- 3) The Finance Officer, KSCST, Bangalore

J. adl

Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-2334 1652, 2334 8848, 2334 8849 ♦ Telefax: 080-2334 8840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. S. G. Sreekanteswara Swamy
Executive Secretary

Ref: 7.1.03/SPP/1112

27th March 2017

The Principal
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074

Dear Sir,

Sub : Sanction of Student Project - 40th Series: Year 2016-2017
Your Project Proposal Reference No. : 40S_BE_0466

Ref : Your Project Proposal entitled " **EXPERIMENTAL INVESTIGATION OF RECEIVER TUBE OF SOLAR PARABOLIC TROUGH COLLECTOR WITH TWISTED TAPE INSERTS**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 40th Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Prashanth Y and others	Budget	Amount (Rs)
Guide/s	Prof. Wadekar B D	Materials/Consumables	6,000.00
		Labor	-
		Travel	-
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	7,000.00
	Rupees Seven Thousand		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :

- Title of the project
- Name of the College & Department
- Name of the students & Guide(s)
- Keywords

J. Adh

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

5) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

e) Projects selected for Seminar / Exhibition will be awarded.

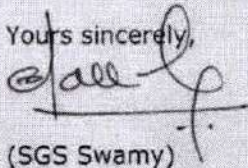
The sanctioned amount will be sent separately by our Accounts Department.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

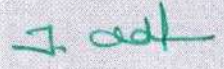
Yours sincerely,



(SGS Swamy)

Copy to:

- 1) The Head of the Department of Mechanical Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074
- 2) Prof. Wadekar B D
Department of Mechanical Engineering
Rajarajeshwari College Of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru - 560 074
- 3) The Finance Officer, KSCST, Bangalore


Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-2334 1652, 2334 8848, 2334 8849 ♦ Telefax: 080-2334 8840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. S. G. Sreekanteswara Swamy
Executive Secretary

07th April 2017

Ref: 7.1.03/Biofuel-SPP/14

The Principal,
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru 560 074

Dear Sir,

Subject: 40th Series Biofuel Student Project Programme (SPP) Grant.

Reference : Council letter No.7.1.02/SPP/775 dated 09-12-2016.

With reference to the above , please find the enclosed herewith below mentioned cheque in your favour towards amount sanctioned for different projects under 40th Series of Biofuel Student Project Programme(SPP) .

Cheque No	Cheque Date	Cheque Amount Rs.	Cheque Amount Words	No. of Projects Sanctioned
654627	31-03-2017	Rs. 8,500.00	Rupees Eight Thousand Five Hundred	1

You are requested to utilize the sanctioned amount for the referred projects and send us the utilization certificate duly certified by the Chartered Accountant and yourself.(Format Enclosed).

Thanking you & with best regards,

Yours sincerely,

(SGS Swamy)

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-2334 1652, 2334 8848, 2334 8849 ♦ Telefax: 080-2334 8840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. S. G. Sreekanteswara Swamy
Executive Secretary

31st March, 2017

Ref: 7.1.03/SPP/1112

The Principal
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalagodu, Mysuru Road,
Bengaluru 560 074

Dear Sir,

Sub : Sanction of Student Project (Biofuel) - 40th Series : Year 2016-2017

Your Project Proposal Reference No. :

40S_B_BE_054

Ref : Your Project Proposal entitled "

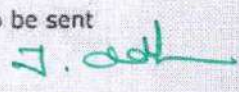
**EXPERIMENTAL INVESTIGATION OF A SINGLE CYLINDER FOUR
STROKE DIESEL ENGINE USING VEGETABLES OIL OF DIFFERENT
PROPORTIONS WITH DIESEL**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme (Biofuel) 40th Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Mr. Akash S.J.	Budget	Amount (Rs)
	and others	Materials/Consumables	6,000.00
Guide/s	Prof. N. Sreenivasalu Reddy & Dr. Pruthviraj R.D.	Labor	1,000.00
		Travel	1,000.00
		Analysis	-
Department	Mechanical Engineering	Miscellaneous	-
		Report	500.00
		TOTAL	8,500.00
	Rupees Eight Thousand Five Hundred		

The following are the guidelines to carryout the project work :

- The project should be carried out based on the objectives of the proposal sent by you.
- The project should be completed in all respects and **a) One copy** of the hardbound report **b)** Softcopy of the full report (including coverpages, abstract & preliminary pages in a CD (.doc and .pdf format)
- The project report shall mention the name of "**Karnataka State Bioenergy Development Board and Karnataka State Council for Science and Technology**" as sponsored organisations in the title page. Project Title or the Objectives can be altered only with prior permission of KSCST. Any change in the project are strictly prohibited and liable for rejection and the amount sanctioned has to be returned back to KSCST. The fund is to be utilised only for the activities to which it has been released.
- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [biofuelcell.kscst@gmail.com] and should include following points:
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords


Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

5) Introduction / background

40S_B_BE_054

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 30 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (biofuelcell.kscst@gmail.com). In your e-mail, please also include project proposal reference number and title of the project.)

e) Projects selected for Seminar / Exhibition will be awarded.

The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.

WHAT IS THE BIODIESEL GOING TO BE USES

The amount sanctioned for the selected projects will be sent by cheque.

The Mid term evaluation of the sponsored projects will be held in the month of May. The date and venue will be intimated shortly.


Please visit our website for further announcements / information and for any clarifications please email to biofuelcell.kscst@gmail.com

Yours sincerely

(SGS Swamy)

Copy to:

- 1) The Head of the Department of Mechanical Engineering
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru 560 074
- 2) Prof. N. Sreenivasalu Reddy & Dr. Pruthviraj R.D.
Department of Mechanical Engineering
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalgodu, Mysuru Road,
Bengaluru 560 074
- 3) The Finance Officer, KSCST, Bangalore


Principal
RAJARAJESHWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74



आई आई एससी, बंगलूर - 560 012
11 Sc, Bangalore - 560 012
2015 MCRBU IFSC CNR80000583

"Valid for three months only from the date of instrument"

चा खा | CA

31 03 2014
D D M M Y Y Y Y

Pay The Principal, Rajarajeswari College of Engineering
या धारक को Or Bearer

Rupees रुपये Eight thousand and Five hundred only

X

अदा करें

₹

8500/-

खा. सं.
A/c. No.

0683201000024

"Payable at par at all our branches in India"

For K. S. C. S. T

[Signature]
Executive Secretary

For K. S. C. S.

[Signature]
Secretary
Please sign above

⑈654629⑈ 560015023⑈

29

[Signature]

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramchalli Cross, Bengaluru-74

YES/Prosperity

VALID FOR THREE MONTHS FROM THE DATE OF ISSUE

PAYEE'S A/C. ONLY

YES BANK LTD., GRND FLR, 282 RV MANSION, 100 FT ROAD, RING ROAD, BANSHANKRI 3RD,
STAGE, 4TH PHASE, 7TH BLOCK, BANGALORE 560083
IFS Code: YESB0000464

Payable At Par At All Branches of YES BANK Ltd.

19/05/2017
DDMMYYYY

Pay Akash S.J.

or Bearer

Rupees रुपये Eight thousand & five hundred only

अदा करें

₹ 8500/-

SAVINGS

A/c No.
खाता क्र.

046494600000884

New Account

For RAJARAJESWARI COLLEGE OF
ENGINEERING

Received

Anush 608

FOR: AKASH S.J.
8197497838

YES/BANK

Authorised Signatories

Please sign above

⑈312475⑈ 5605320101 003453⑈ 31

YES/Prosperity

VALID FOR THREE MONTHS FROM THE DATE OF ISSUE

PAYEE'S A/C. ONLY

YES BANK LTD., GRND FLR, 282 RV MANSION, 100 FT ROAD, RING ROAD, BANSHANKRI 3RD,
STAGE, 4TH PHASE, 7TH BLOCK, BANGALORE 560083
IFS Code: YESB0000464

Payable At Par At All Branches of YES BANK Ltd.

19/05/2017
DDMMYYYY

Pay Hemanka Baidya

or Bearer

Rupees रुपये Five thousand only

अदा करें

₹ 5000/-

SAVINGS

A/c No.
खाता क्र.

046494600000884

New Account

For RAJARAJESWARI COLLEGE OF
ENGINEERING

YES/BANK

Authorised Signatories

Please sign above

⑈312476⑈ 5605320101 003453⑈ 31

YES/Prosperity

VALID FOR THREE MONTHS FROM THE DATE OF ISSUE

PAYEE'S A/C. ONLY

YES BANK LTD., GRND FLR, 282 RV MANSION, 100 FT ROAD, RING ROAD, BANSHANKRI 3RD,
STAGE, 4TH PHASE, 7TH BLOCK, BANGALORE 560083
IFS Code: YESB0000464

Payable At Par At All Branches of YES BANK Ltd.

19/05/2017
DDMMYYYY

Pay pooja S.B

or Bearer

Rupees रुपये Seven thousand & five hundred only

अदा करें

₹ 7500/-

SAVINGS

A/c No.
खाता क्र.

046494600000884

New Account

For RAJARAJESWARI COLLEGE OF
ENGINEERING

YES/BANK

Authorised Signatories

Please sign above

⑈312477⑈ 5605320101 003453⑈ 31

Received

Pooja S.B.

9632672432

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramahalli Cross, Bengaluru.

(6)

ICICI Bank
KUMBALAGODU Branch

Rajarajeshwari College of Engg., No.14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bangalore-560074
RTGS / NEFT IFSC Code : ICIC0002637

PAYEE'S A/C. ONLY

VALID FOR THREE MONTHS ONLY

19 05 20 17
D D M M Y Y Y Y

Pay Ashwini R

Or Bearer

Rupees Four thousand & five hundred only

₹ 4500/-

A/c No. 263701000032

SBTAS CBS

FOR RAJARAJESWARI COLLEGE OF ENGINEERING

WEALTH MANAGEMENT : SAVINGS ACCOUNT

000266X263701000032000266X263701000032000266X263701000032000266X263701000032
Payable at par at all branches of ICICI Bank Limited in India



10/3/17



[Signature]

TRUSTEE (S)

Please sign above

Received
Ashwini R

⑈000266⑈ 560229075⑈ 000032⑈ 3⑈

ICICI Bank
KUMBALAGODU Branch

Rajarajeshwari College of Engg., No.14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bangalore-560074
RTGS / NEFT IFSC Code : ICIC0002637

PAYEE'S A/C. ONLY

VALID FOR THREE MONTHS ONLY

19 05 20 17
D D M M Y Y Y Y

Pay Parashanth Y

Or Bearer

Rupees Seven thousand only

₹ 7000/-

A/c No. 263701000032

SBTAS CBS

FOR RAJARAJESWARI COLLEGE OF ENGINEERING

WEALTH MANAGEMENT : SAVINGS ACCOUNT

000267X263701000032000267X263701000032000267X263701000032000267X263701000032
Payable at par at all branches of ICICI Bank Limited in India



10/3/17



[Signature]

TRUSTEE (S)

Please sign above

⑈000267⑈ 560229075⑈ 000032⑈ 3⑈

[Signature]

Principal

RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

7022643754.

167

ICICI Bank

KUMBALAGODU Branch

Rajarajeswari College of Engg., No.14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bangalore-560074

RTGS / NEFT IFSC Code : ICIC0002637

PAYEE'S A/C ONLY

VALID FOR THREE MONTHS ONLY

19052017
DDMMYYYY

Pay Spoorthi H.R

Or Bearer

Rupees Six thousand & five hundred only

₹ 6500/-

A/c No.

263701000032

SBTAS

CBS

FOR RAJARAJESWARI COLLEGE OF ENGINEERING

WEALTH MANAGEMENT : SAVINGS ACCOUNT

000265X263701000032000265X263701000032000265X263701000032000265X263701000032
Payable at par at all branches of ICICI Bank Limited in India

10/3/17



[Signature]

TRUSTEE (S)

Please sign above

Received
[Signature]

⑈000264⑈ 560229075⑈ 000032⑈ 31

ICICI Bank

KUMBALAGODU Branch

Rajarajeswari College of Engg., No.14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bangalore-560074

RTGS / NEFT IFSC Code : ICIC0002637

PAYEE'S A/C. ONLY

VALID FOR THREE MONTHS ONLY

19052017
DDMMYYYY

Pay Hanishitha N

Or Bearer

Rupees Six thousand & five hundred only

₹ 6500/-

A/c No.

263701000032

SBTAS

CBS

FOR RAJARAJESWARI COLLEGE OF ENGINEERING

WEALTH MANAGEMENT : SAVINGS ACCOUNT

000265X263701000032000265X263701000032000265X263701000032000265X263701000032
Payable at par at all branches of ICICI Bank Limited in India

10/3/17



[Signature]

TRUSTEE (S)

Please sign above

⑈000265⑈ 560229075⑈ 000032⑈ 31

Received by,
R. Pravalika

[Signature]
Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74