

RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi

Affiliated to the Visvesvaraya Technological University, Belagavi

Criterion: 3.1.1

Academic Year: 2016-2021



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

Sl No.	Description	Page No.
1	e-copies of Grants received	
	2020-21	1 - 33
	2019-20	34 - 67
	2018-19	68 - 118
	2017-18	119 - 161
	2016-17	162 - 216

Principal

Principal

RAJARAJESWARI

COLLEGE OF ENGINEERING

Ramohalli Cross, Bengaluru-74

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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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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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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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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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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Image data compaction techniques for enhancing the efficacy of digital light synthesis process	Dr. D Sivakumar, Dr. S Vijayanand	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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Ramohalli Cross, Bengaluru-74



KSCST Grants

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 CUPOLA 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

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

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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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_0445**

Ref : Your Project Proposal entitled " **LANE DETECTION AND OBJECT DETECTION USING OPCV
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:

Students	Particulars	Budget	
		Amount (Rs)	
Mr. Shivam Zagade	Materials/Consumables	3,000.00	
Ms. Saima Shariff	Labour	-	
Ms. Saniya Taj	Travel	-	
Guide/s	Mrs. Vinutha H	-	
	Miscellaneous	-	
Department	Report	500.00	
	Total	3,500.00	
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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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		

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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.
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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		

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.iisc.ernet.in] and should include following points:
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Mr. H. Hemanth Kumar
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Ref: 7.1.01/SPP/10

24th April 2021

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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	Particulars	Budget	
		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
		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 points:
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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 :

- 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 :
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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	Particulars	Budget	
		Amount (Rs.)	
Mr. Pavan S Mr. Pavan M S Mr. Pesala Venkata Harish Mr. Ravikiran T M	Materials/Consumables	3,000.00	
	Labour	500.00	
	Travel	500.00	
	Miscellaneous	500.00	
Guide/s Dr. K.Janaki	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 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 :
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords



Karnataka State Council for Science and Technology

(An autonomous organisation under the Dept. of Science & Technology, Govt. of Karnataka)

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849, 23348840

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

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	
		Particulars	Amount (Rs.)
	Mr. R Nitesh Kumar		
	Mr. Narapureddy Karthik Kumar	Materials/Consumables	4,000.00
	Mr. Manikanta M Shivayogi	Labour	500.00
	Mr. N Sreenivasalu Reddy	Travel	500.00
Guide/s	Dr. C Ramesh	Miscellaneous	500.00
		Report	500.00
Department	Mechanical Engineering	Total	6,000.00
SIX 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 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 :
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords



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Email: office.kscst@isc.ac.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/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:

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



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Telephone: 080-23341652, 23348848, 23348849, 23348840

Email: office.kscst@iisc.ac.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/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	

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



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Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849, 23348840

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

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	Particulars	Budget	
		Amount (Rs.)	
Mr. Ravikumar M Mr. Nanjesh K J Mr. Sharanbasava Mr. Rudresh B G	Materials/Consumables	3,000.00	
	Labour	-	
	Travel	-	
	Miscellaneous	500.00	
Guide/s Mrs. Shalini G V	Report	500.00	
	Total	4,000.00	
FOUR 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 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 :
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords

ICICI Bank
KUMBALAGODU Branch

Rajarajeshwari College of Engg., No.14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bangalore-560074
RTGS / NEFT IFS Code : ICIC0002637

A/c Payee

VALID FOR THREE MONTHS ONLY

2 8 0 9 2 0 2 1

D D M M Y Y Y Y

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

OR ORDER

Fifty Thousand Only

₹**50,000.00

No. 263701000032

FOR RAJARAJESWARI COLLEGE OF ENGINEERING

30/7/21 SBTAS CBS
WEALTH MANAGEMENT : SAVINGS ACCOUNT
Payable at par at all branches of ICICI Bank Limited in India



[Signature]
TRUSTEE (S)
Please sign above

⑈002194⑈ 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

VALID FOR THREE MONTHS ONLY

3 0 0 9 2 0 2 1

D D M M Y Y Y Y

SHAVANI M.

OR ORDER

Fifty Thousand only

₹ 50,000/-

No. 263701000543

FOR THE PRINCIPAL RAJARAJESWARI COLLEGE OF ENGINEERING

28/12/20 SBTAS CBS
WEALTH MANAGEMENT : SAVINGS ACCOUNT
Payable at par at all branches of ICICI Bank Limited in India



[Signature]

AUTHORISED SIGNATORY

Please sign above

⑈000463⑈ 560229075⑈ 000543⑈ 31



VTU Funded Innovative Projects



Raja Rajeswari 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

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

	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.

Yours faithfully

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



Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the State Legislative VTU Act, 1994)
"Jnana Sangama" Belagavi-590018, Karnataka State, India
Tele Phone: (0831) 2498112. Fax: (0831) 2405467. Website: vtun.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. Thimmaiah 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.



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

("ವಿ ಟಿ 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./A4/2021-22/2628/31

Date: 20 SEP 2021

To,

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

Sir,

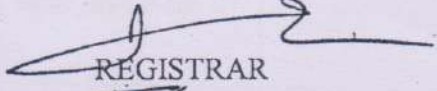
Sub: Sanction of Financial Assistance for 2020-21 to the
Innovative Project of UG Final Year students of your Institution..reg.
Ref: No.VTU/BGM/PS/2021-22/545, dated 06.05.2021

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
65/18/9/21

रने शाखा भारतीय स्टेट बैंक
Branch: VTU CAMPUS MATCHE
/CODE No: 40649

मांगड्राफ्ट
DEMAND DRAFT

Key: WIJMAP
Sr. No: 227666

09092
D D M M Y Y

मांगे जानेपर RAJA RAJESWARI COLLEGE OF ENGINEERING

या उनके आदेश पर

OR ORDER

ON DEMAND PAY

Sixty Five Thousand Only

₹ RUPEES

अदा करें

₹

65000.00

AMOUNT BELOW 65001(0/5)

मूल्य प्राप्त / VALUE RECEIVED

DI 000473643531
Name of Applicant

Key: WIJMAP Sr. No: 227666
FO VTU BELGAUM

भारतीय स्टेट बैंक

STATE BANK OF INDIA

अदाकर्ता शाखा / DRAWEE BRANCH: CCPC BANGALORE
कोड नं. /CODE No: 40743

प्राधिकृत हस्ताक्षरकर्ता
AUTHORISED SIGNATORY

Manjunath Singh BS

SS No. - B11381

₹ 1,50,000/- एवं अधिक के लिखत दो अधिकारियों द्वारा हस्ताक्षरित होने पर ही वैध है।
INSTRUMENTS FOR ₹ 1,50,000/- & ABOVE ARE NOT VALID UNLESS SIGNED BY TWO OFFICERS

द्वारा मुद्रित होने पर ही वैध
ONLY IF COMPUTER PRINTED

केवल 3 महीने के लिए वैध
VALID FOR 3 MONTHS ONLY

⑈643531⑈ 000002000⑈ 000473⑈ 16

RAJESWARI	28/9/21	REMARK
895		

Atc/ VTU - projects co-ov. Dr. Amuthany Sr.

pls. verify + do the
needful

28/9/21.



AICTE -MODROBS



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 FourtySeven 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:	1st 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:



AICTE -RPS

- AQIS Status

4 of 10+





- AQIS Status

1 - 10 of 10+

AQIS Applicati	Permanent Inst	Name of the Ins	AQIS Schemes	Faculty Id	Title	Surname	First Name	Academic Year	Status	Final Status
1-9361168841	1-4201514	RAJARAJESW...	MODROB - R...	1-4760533779	Dr.	SARAVANAN	NATARAJAN	2020-2021	Submitted	Proposal was not shortlisted for evaluation at the screening level
1-9331415401	1-4201514	RAJARAJESW...	MODROB - R...	1-2668834983	Dr.	RANGAIAH	LEBURU	2020-2021	Expert Evalu...	Proposal is not recommended
1-9289520847	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	DURASANY	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
1-7097495351	1-4201514	RAJARAJESW...	STTP - Short...	1-2193155729	Mr.	SREENIVASA...	NARE	2019-2020	Expert Evalu...	Proposal is not recommended
1-7081374209	1-4201514	RAJARAJESW...	MODROB - A...	1-4716311252	Dr.	V	RAMESH	2019-2020	Expert Evalu...	Proposal is not recommended
1-7081147981	1-4201514	RAJARAJESW...	MODROB - A...	1-3189098661	Dr.	RAMESH	C	2019-2020	Expert Evalu...	Proposal is evaluated and provisionally recommended
1-7075909561	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...	1-447991505	Dr.	RAYANKI	BALAKRISHNA	2019-2020	Expert Evalu...	Proposal is not recommended

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.

RAJARAJESWARI COLLEGE OF ENGINEERING

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Criterion: 3.1.1

Academic Year: 2019-20



2019-20



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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							
International Conference on Advances in Computing Technologies (ICACT-2020)	Dr. Sivakumar Duraisamy	CSE	2020	1.67	1 Year	AICTE - Grant for Organizing Conference (GOC)	Government
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

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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

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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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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 detectionin Automated breast ultra sound 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

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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 Refrigerator 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



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Criterion: 3.1.1

Academic Year: 2019-2020

Industry: A Waste to Wealth approach							
Training Program on "Outcome Based Education (OBE) and NBA Accreditation"	Dr.S.Usha, Dr.Sheeba, Dr. L Rangaiah	CSE	2019	3.0	1 Year	VTU TEQIP Cell	Government
	Total Amount			7.575			


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

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Criterion: 3.1.1

Academic Year: 2019-2020



AICTE - GOC

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



GOC - Sanction Letter for E-Conference

To

The Director/ Principal/ Registrar
Rajarajeswari College of Engineering,
No-14, Ramoholli Cross, Kumbalgodu, Mysore Road,
Bangalore Urban, Bangalore, Karnataka-560074

Subject: To organize Conference in online mode i.e. **E-Conference** under the scheme **Grant for Organizing Conference (GOC)**-reg.

Sir/ Madam,

With reference to the proposal submitted by your institute, this is to convey that an amount of Rs. **1,66,667/- (Rupees One lakh sixty six thousand six hundred sixty seven only)** was sanctioned and released to your institute in the month of March-2020 for organizing Conference under the scheme **Grant for Organizing Conference (GOC)**, as per details given below:

1.	Name and address of the Beneficiary Institution:	Director/ Principal/ Registrar Rajarajeswari College of Engineering, No-14, Ramoholli Cross, Kumbalgodu, Mysore Road, Bangalore Urban, Bangalore, Karnataka-560074
2.	Permanent ID of Institute:	1-4201514
3.	Title of Conference:	International Conference
4.	Name of Coordinator:	Dr. Sivakuamr Duraisamy

The grant was released to the institute's account as per details given in table below:

Institute PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AAAT M110 2H	ICICI BANK LTD.	KUMBALAGODU BRANCH	RRCE, NO14, RAMOHALLI CROSS, MYSORE ROAD, KUMBALAGODU, BANGALORE-560074	RAJARAJESWAR COLLEGE OF ENGINEERING	Saving Account	2637010 00032	ICIC00026 37

The grant was released to organize the conference in physical mode, but due to outbreak of COVID-19, the Council has decided to give option to the institutions to organize the conference in online mode only i.e. E-Conference with additional terms and conditions.

Note:

1. If your institute has organized the conference in the stipulated time, then you are intimated to submit the requisite documents along with balance amount, if any.
2. If your institute has not organized the conference after receipt of grant, then you are allowed to organize the conference in online mode i.e. E-Conference within 6 months of receipt of this letter.
3. If your institute does not want to organize the **E-conference**, then you are required to refund the complete grant along with the interest accrued thereon.
4. The grant from AICTE will be **Rs. 50,000 or 1/3rd of the total expenditure incurred** for organizing the **E-Conference**, whichever is lesser. Rest amount is required to be refunded to AICTE.

Grant for Organizing Conference (GOC)

FORMAT FOR STATEMENT OF EXPENDITURE

AICTE File No. : F.No.67-20/IDC/GOC/POLICY-5/2019-20
 Title of the Conference : International Conference on Advances in Computing Technologies 2020
 Name of the P.I. : Dr. D. Sivakumar

Sanction Order No. & Date	Grant Sanctioned	Details of expenditure Incurred Item wise	Amount Rs. (In each head)
16.03.2020	1,66,667.00	Brochure Design & Printing	19,500.00
		Participant, Best Paper, Reviewer & Session Chair Certificate Design & printing	4,500.00
		Conference Website Design & Updating	15,000.00
		Conference Proceedings (Creating soft copy of Document CD)	3,600.00
		Registration Kit (1-Bag, 1-Pen, 1-Notepad)	30,000.00
		18%GST	13,068.00
		Local Conveyance petrol bill	1,000.00
		Reviewer /Session Chair Honorarium for 08 Experts	40,000.00
		Best Paper Cash reward for 08 Papers	24,000.00
		Tea & Snacks on 18/06/2020 (Morning & Evening)	2250.00
		Working Lunch for 45 persons on 18/06/2020	4,500.00
		Tea & Snacks on 19/06/2020 (Morning & Evening)	2250.00
		Working Lunch for 45 persons on 19/06/2020	4,500.00
		GST @ 5%	675.00
		Total	1,64,843.00

(1) D. Sivakumar
 Signature of PI
 with Seal

(3) [Signature]
 Signature (with Seal) of the Financial Officer/
 Financial Controller
 RajaRajeswari Group of Institutions
 Auditor/Accounts Officer
 Bangalore-560 060
 (If it is Govt./Govt.Aided Institute)

Date:

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

(4) Signature of Chartered Accountant:

Name of Chartered Accountant:
 Membership No:
 Rubberstamp:
 Full Address of CA:

Moogambigai Charitable & Educational Trust
 RajaRajeswari Group of Institutions
 14, P.R.C.E Campus, (PG Block)
 Ramohalli Cross, Mysore Road
 Bangalore-560 074



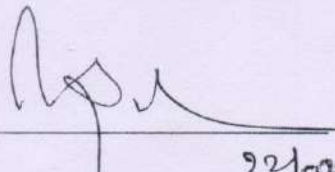
Note:-If it is more than one page, each page must be signed & Stamped in all annexure

FORMAT
For
AUDITED UTILISATION CERTIFICATE
(For each year)

Certified that out of Rs.1,66,667.00 of Grant-in-aid sanctioned during the year 2019-2020 Letter No: F.No.67-20/IDC/GOC/ POLICY-5/2019-20 Rs.50,000.00 (Rupees Fifty Thousand only) has been utilized for the purpose for which it was sanctioned and the balance of Rs. 116667.00 remaining unutilized at the end of the year, in addition to the amount of Rs.5,104.00 on account of interest accrued on grant, has been surrendered to All India Council for Technical Education (vide Demanded Draft No.011817 dated :17.07.2021 Name of Bank: ICICI Bank).

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


28-7-21
Financial Controller
(Signature and Seal)
Rajarajeswari Group of Institutions
Bangalore- 560 060


22/07/2021


Chartered Accountant
(Signature and Seal)
Name of Chartered Accountant:

Membership No:

Rubberstamp:



Full Address of CA:
Moolambigal Charitable & Educational Trust
Rajarajeswari Group of Institutions
No. 14 R.R.C.E Campus, (PG Block)
Ramohalli Cross, Mysore Road,
Bangalore-560 074


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



KSCST Grants

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. LALITESH 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

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 SANALLA 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

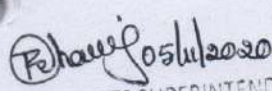
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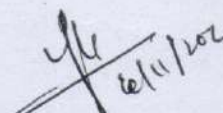
- ☐ The sanctioned amount will be sent separately by KSCST to the College in the name of the principal by NEFT transfer. The details of transaction no. and date will be intimated.
- ☐ The evaluation of above projects will be conducted at the nodal centres in the month of May / June 2020. Participation 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.

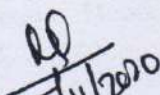
RAJARAJESWARI COLLEGE OF ENGINEERING

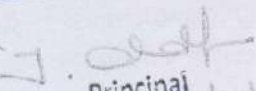
KSCST Project Grant 2019-20 amount through Indisind Bank

	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	159886899637	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	158925169095	RAMKUMAR P	KSCST Project Grant amount
11	100104425973	RAJARAJESWARI COLLEGE OF ENGINEER	4500	159731215217	RAJESHWARI S	KSCST Project Grant amount
		Total Rs.	52500			


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


 26/11/2020


 5/11/2020


 Principal
 RAJARAJESWARI
 COLLEGE OF ENGINEERING
 Ramohalli Cross, Bengaluru-74

भारतीय स्टेट बैंक State Bank of India जारी करने वाला शाखा Issuing Branch: VTU CAMPUS MATCHE कोड नं. / CODE No: 40848 टेल नं. / Tel No. 0831-2412300		बैंकर्स चेक BANKERS CHEQUE Key: NEDCUR Sr. No: 886425		04072019 D D M M Y Y Y Y
PAY Principal, Rajarajeswari College of Engineering		को या उनके आदेश पर OR ORDER		8
रुपये RUPEES Sixty Thousand Only		अदा करें ₹ 60000.00		7
IOI 000473640582 Name of Applicant		Key: NEDCUR Sr. No: 886425 FO VTU		6
AMOUNT BELOW 60001(6/5)		हस्ताक्षर FOR STATE BANK OF INDIA		5
कम्प्यूटर द्वारा मुद्रित होने पर ही वैध VALID ONLY IF COMPUTER PRINTED		कजल 3 महीने के लिए वैध VALID FOR 3 MONTHS ONLY		4
अहस्तांतरणीय / NOT TRANSFERABLE		शाखा प्रबंधक BRANCH MANAGER		3
₹ 1,50,000/- एवं अधिक के निरक्षर दो अधिकारियों द्वारा हस्ताक्षरित होने पर ही वैध है। INSTRUMENTS FOR ₹ 1,50,000/- & ABOVE ARE NOT VALID UNLESS SIGNED BY TWO OFFICERS				2
				1

⑈640592⑈ 000002000⑈ 000473⑈ 16



VTU Funded Innovative Projects



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

Prof A S Deshpande B.E. ME., Ph.D

REGISTRAR

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

Phone: (0831) 2405468

Fax : (0831) 2405467

Date :

- 5 JAN 2021

To,
The Principal,
RajaRajesheshwari 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

To
IIC incharge / ISE HOD / AC
Pls. do the needful

Jd
13/1-21

भारतीय स्टेट बैंक
FOVTU BELGAUM
E No: 40649
-2412300

मांगड्राफ्ट
DEMAND DRAFT

Key: PEKMAN
Sr. No: 88635

21122020
D D M M Y Y Y Y

जानेपर THE PRINCIPAL RAJARAJESHWARI C OLLEGE OF ENGINEERIN*****

या उनके आदेश पर
OR ORDER

ON DEMAND PAY

Seventy Thousand Only

वे RUPEES

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

अदाकर्ता शाखा / DRAWEE BRANCH: BANGALORE CITY

कोड नं. / CODE No: 00814

प्राधिकृत हस्ताक्षरकर्ता
AUTHORISED SIGNATORY

शाखा प्रबंधक
BRANCH MANAGER

SANJEEV ANAGAWADI

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

केवल 3 माहों के लिए वैध
VALID FOR 3 MONTHS ONLY

₹ 1,50,000/- एवं अधिक के लिखत या अधिक मूल्य प्राप्त हस्ताक्षरित होने पर ही वैध है।
INSTRUMENTS FOR ₹ 1,50,000/- & ABOVE ARE NOT VALID UNLESS SIGNED BY TWO OFFICERS

⑈642763⑈ 000002000⑈ 000473⑈ 16



VTU- Avishkar



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.

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@sapthagiri.edu.in Contact No: 9880285725	
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 Saijan	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.Prarthana 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. Keerthana 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	Date : 12.03.2020 Time : 10.00 AM Venue: APPLE Lab, VTU , Belagavi
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	

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 TEQIP



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 3/2019/321

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.

GLOBAL ACADEMY OF TECHNOLOGY
RAJARAJESHWARI NAGAR, BENGALURU-560098

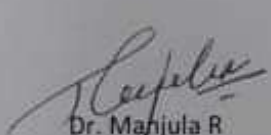
Utilization of the fund as on 30-06-2020: Competitive Research Grant

Visit to Industries:

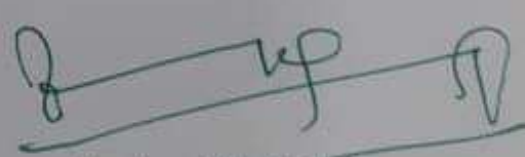
Sl No.	Date	Amount (Rupees)	Details
1	6/2/2020	401	Visit to Collaborative Institutes.
2	6/2/2020	480	Visit to Industry
3	7/2/2020	1054	Visit to Industry
4	8/2/2020	480	Visit to Industry
5	4/3/2020	553	Visit to Research Lab
TOTAL		2968/-	

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
Bengaluru-560098


Signature of the Principal

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

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 TEQIP



Visvesvaraya Technological University

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

Phone No: (0831)2405468

Fax No: (0831) 2405467

Registrar

Ref: VTU/TEQIP 3/2019/289/19

Date: 11 NOV 2019

Approval Letter

Sub: Proposal approved for organizing the event - Reg.

Ref: Hon'ble Vice Chancellor Approval dated: 04/11/2019

We are pleased to inform you that, the proposal submitted by your organization to VTU TEQIP Cell has been selected for the conduction of the program on "OUTCOME BASED EDUCATION AND NBA ACCREDITATION"

The details are as given below:

Program Coordinator	Duration of the program	Maximum Amount Approved (Rs.)	Program to be Scheduled on
1. Dr. S Usha (Professor & Head, CSE) 2. Dr. Sheba Selvam (Associate Professor, CSE) 3. Dr. L Rangaiah (Professor & Communication Engineering)	5 Days	3 Lakhs	20-01-2020 to 24-01-2020

The Program Coordinator is requested to follow the Guidelines enclosed for the conduction of the program.

Further, the Program Co-ordinator shall Co-ordinate with assigned participating Colleges, for the successful conduction of the event.

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


REGISTRAR

To,
The Principal,
Rajarajeswari College of Engineering, Bengaluru.

Enclosed:

1. Circular sent to participating Colleges
2. Guidelines for Conduction of the Program
3. Guidelines for Submission of Bills after the Program
4. Registration Format
5. Vendor Format
6. Checklist-List of documents to be submitted after the program
7. TA/DA Guidelines
8. Program Details (Final Scheduled)
9. Utilization Certificate for Expenditure.

Copy for information to:

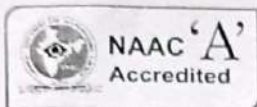
1. The Secretary to Hon'ble Vice Chancellor, VTU Belagavi.
2. The PS to Registrar, VTU, Belagavi.
3. The Finance Officer, VTU, Belagavi.
4. The TEQIP Cell, VTU, Belagavi.



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



To,
TEQIP CELL
VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"JNANA SANGAMA", BELAGAVI-590018
KARNATAKA.

Date: 19.09.2019

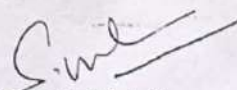
FROM,
Dr. S USHA
PROFESSOR & NBA COORDINATOR
RAJARAJESWARI COLLEGE OF ENGINEERING
BANGALORE-74

RESPECTED SIR/MADAM,

SUBJECT: Organizing the program regarding with Ref: VTU/TEQIP 3/2019/172.

With the above cited subject, we are submitting the proposal to organize five days Training Program on "Outcome Based Education and NBA Accreditation" to the faculty members of the VTU Affiliated Colleges. Please find the enclosed document proposal.

Thanking you,


Yours Faithfully
(Dr. S. USHA)

Dr. S. Usha
Professor & HoD
Dept. of Computer Science and Engg.
RRCE, Bangalore - 560074

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
www.rrce.org

OUTCOME BASED EDUCATION AND NBA ACCREDITATION TRAINING PROGRAM

1	Name of the program coordinator1	Dr. S USHA
2	Designation, Department, Organization	Professor & HEAD, CSE, Rajarajeswari College of Engineering, Bangalore-74
3	Name of the program coordinator2	Dr. SHEBA SELVAM
4	Designation, Department, Organization	Associated Professor, CSE, Rajarajeswari College of Engineering, Bangalore-74
5	Contact details(email, mobile number)	sakthivelusha@gmail.com, 9677034469 shebanaveen@gmail.com, 7337738051
6	Objectives	<ul style="list-style-type: none"> • Concept, need and importance of accreditation, • Criteria of accreditation, • Model and process of Vision, Mission and goals, • SWOT analysis; • Strategic, perspective and annual planning, • Outcome based Assessment • Formats for preparing NBA documents, • Plans to face NBA team.
7	Outcomes	<ul style="list-style-type: none"> • Describe the importance, criteria and process of accreditation, • Process of crafting Vision, Mission and goals of institution, • Defining PEOs, POs, PSOs, CEOs, COs and its mapping by using Blooms Taxonomy keywords and graduate attributes, • Identifying SWOT analysis, • Process of Assessment and attainment of program and course outcomes, • Preparation of Self-Assessment Report (SAR), • To face NBA team
8	Venue of the program	Rajarajeswari College of Engineering, Bangalore-74
9	Scheduled dates(kindly provide two different dates in Dec 2019 & Jan 2020)	16-Dec-2019 to 20-Dec-2019 27-Jan-2020 to 31-Jan-2020
10	Deliverables from the resource persons	IISc, IIT Chennai and Private Educational Institutions
11	Deliverables to the participants	Engineering Teaching Faculties

PROGRAM DETAILS

Day/Date	Time	Activity	Venue
Monday 16-12-2019/27-01-2020	9:00 AM to 9:30 AM	Registration	Dennis Richie Conference Hall Rajarajeswari College of Engineering
	9:30 AM to 10:00 AM	Inauguration	
	10:00 AM to 11:30 AM	Concept, need and importance of accreditation	
	11:30 AM to 12:45 AM	Process of NBA Accreditation, Vision, Mission and PEOs	
	12:45 PM to 1:30 PM	Lunch Break	
	1:30 PM to 3:00 PM	Goals of Vision, Mission and Institution	
	3:00 PM to 3:45 PM	Experience sharing through papers and case study on Vision, Mission and PEOs	
	3:45 PM to 4:00 PM	High Tea	
Tuesday 17-12-2019/28-01-2020	9:30 AM to 11:00 AM	Design and Process of PSOs and POs	Dennis Richie Conference Hall Rajarajeswari College of Engineering
	11:00 AM to 11:15 AM	Tea Break	
	11:15 AM to 12:45 PM	SWOT analysis	
	12:45 PM to 1:30 PM	Lunch Break	
	1:30 PM to 3:00 PM	Identification of Curriculum gap and Content Beyond Syllabus	
	3:00 PM to 3:45 PM	Experience sharing through papers and case study on PSOs and POs	
	3:45 PM to 4:00 PM	High Tea	
Wednesday 18-12-2019/29-01-2020	9:30 AM to 11:00 AM	Student Centric Teaching Learning Process	Dennis Richie Conference Hall Rajarajeswari College of Engineering
	11:00 AM to 11:15 AM	Tea Break	
	11:15 AM to 12:45 PM	Use of ICT Tools, Teaching methods in Laboratories and Quality of Student Projects	
	12:45 PM to 1:30 PM	Lunch Break	
	1:30 PM to 3:00 PM	Outcome based Assessment	
	3:00 PM to 3:45 PM	Experience sharing through papers and case study on Teaching Learning Process, Use of ICT Tools, Student Projects related to OBE and Outcome based Assessment	
	3:45 PM to 4:00 PM	High Tea	
Thursday 19-12-2019/30-01-2020	9:30 AM to 11:00 AM	Outcome based Attainment	Dennis Richie Conference Hall
	11:00 AM to 11:15 AM	Tea Break	
	11:15 AM to 12:45 PM	Faculty Performance Appraisal, Development system and Mentoring system	
	12:45 PM to 1:30 PM		

	1:30 PM to 3:00 PM	Documentation for NBA (Criteria 1-3)	Engineering
	3:00 PM to 3:45 PM	Experience sharing on Faculty Performance Appraisal system, Mentoring of students and Outcome based Attainment	
	3:45 PM to 4:00 PM	High Tea	
Friday 20-12-2019/31-01-2020	9:30 AM to 11:00 AM	Documentation for NBA (Criteria 4-9)	Dennis Richie Conference Hall Rajarajeswari College of Engineering
	11:00 AM to 11:15 AM	Tea Break	
	11:15 AM to 12:45 PM	Onsite visit and Experience sharing of NBA Evaluation team	
	12:45 PM to 1:30 PM	Lunch Break	
	1:30 PM to 3:30 PM	Experience sharing on Documentation for NBA	
	3:30 PM to 3:45 PM	Valedictory	
	3:45 PM to 4:00 PM	High Tea	

Expenditure for Workshop

Sl. No	Particulars	Maximum Permissible Amount(Rs.)
1.	Food	90000
2.	Registration Kit (Folder, Pen, Workbook, Certificate, Badge, etc.)	16000
3.	Printing of Brouchers, Stationeries and postal charges	8000
4.	Accommodation of outside participants	50000
5.	Other Miscellaneous	15000
Total		179000(Rs.)

EXPECTED RESOURCE PERSONS (WITH DESIGNATION AND ORGANIZATION)

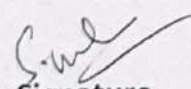
1. Dr. N. C. Shivaprakash, Prof. and Chief Research Scientist, Dept. of Instrumentation and Applied Physics, IISc, Bangalore, 94409086370
2. Dr. M. Subatma, IIT, Chennai, Post Doctoral Fellow (ECE), currently working in RISE Lab, CSE, 9790968632
3. Dr. K. Munuswaran, Prof. & Head, CSE, Mepco Schlenk Engineering College, Sivakasi, 9443544626
4. Dr. Guruprasad, Prof., CSE, Glodal Academic Institute of Technology, Bangalore, 9845470022

Expected Expenditure for Resource Person

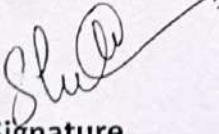
Sl. No	Particulars	Expenses(Rs.)
1.	Travelling Allowance	2x7600=15200(to and fro) 2x1200=2400(to and fro) 2x5400=10800(to and fro) 2x1200=2400(to and fro)
2.	Honorarium	2x5000=10000 3x4000=12000
Total		52800(Rs.)

Any Other Information:

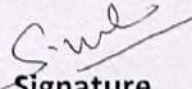
In case of emergency work for the above scheduled resource person, kindly permit for alternate resource person.


Signature

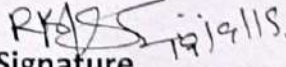
(Dr. S. USHA)
Program Coordinator1


Signature

(Dr. SHEBA SELVAM)
Program Coordinator2


Signature

(Dr. S. USHA)
Head of Dept.


Signature

(Dr. R. BALAKRISHNA)
Principal

Dr. S. Usha
Professor & HoD
Dept. of Computer Science and Engg.
RRCE, Bengaluru -560074

Dr. S. Usha
Professor & HoD
Dept. of Computer Science and Engg.
RRCE, Bengaluru -560074

RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi

Affiliated to the Visvesvaraya Technological University, Belagavi

Criterion: 3.1.1

Academic Year: 2018-19



2018-19



RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi

Affiliated to the Visvesvaraya Technological University, Belagavi



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
WASET-2018 Singapore	Dr.S.Usha	CSE	2019	0.91	1 Year	AICTE - Travel Grant Scheme (TGS)	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, Sundarraju 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	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

Approved by AICTE, New Delhi

Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 3.1.1

Academic Year: 2018-2019

monitoring and alerting system							
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	Prof. Vandana B, Ranjith L P, Alkash M B, Sithara N S,	CSE	2019	0.05	1 Year	VTU Financial Assistance for innovative projects	Government

RAJARAJESWARI COLLEGE OF ENGINEERING

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Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 3.1.1

Academic Year: 2018-2019

using IOT.	Shravan Kumar					for Final Year UG students	
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

RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi

Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 3.1.1

Academic Year: 2018-2019

Rain Water Harvesting	Prof. Gangadhara N, Impana R L	CIVIL	2019	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government
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 Receiver Tube of a Parabolic Trough Collector	Dr. N. Sreenivasulu Reddy, Yashawanth S M	Mechanical Engineering	2019	0.05	1 Year	VTU Financial Assistance for innovative projects for Final Year UG students	Government



RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi

Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 3.1.1

Academic Year: 2018-2019

Performance Improvement and characteristics of thin film solar cells	Prof. B D Wadekar	Mechanical Engineering	2018	5.0	1 Year	VGST -RGS	Government
	Total Amount			14.01			

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



AICTE - MODROBS

Dated: 4 January 2019

F.No. 123/RIFD/MOD

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, KUMBA LAGODU, BAN GLAORE- 560074	RAJARAJE SWARI COLLEGE OF ENGINEERING	Saving Account	263701000032	ICIC0002637

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. 9-123/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.

- 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

Yours sincerely,

[Signature]

25/2/19

Page 3

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

FileNo. :9 - 1 2 3 / RFID / MODROB / Policy - 1 / 2 0 1 7 - 1 8
(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. 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		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

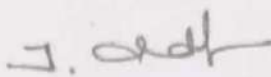
Gross Total (A & B): INR 688926.48

7. Objectives of the Project

: To provide hands on experience in the field of Internet of Things and Cloud computing

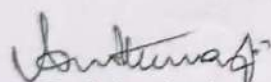
Dated: 03-Feb-2021



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

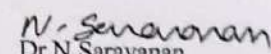

Registrar/Director/Principal
(Signature & Seal)

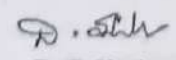
Principal
RAJRAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

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
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
RAJARAJESWARI COLLEGE OF ENGG.
BENGALURU - 560 074


Dr. N. Saravanan
Professor & HoD
Department of Electrical and Electronics Engineering
Rajarajeswari College of Engineering
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

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)
Principal & Educational Trust

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.

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: LEGE OF ENGINEERING
 [With seal] mohalli Cross, Bengaluru-74

For RajaRajeswari College of Engineering

(Signature of Finance Officer)
 Name: Moogambigai Charitable & Educational Trust
 Designation: RajaRajeswari Group of Institutions
No. 14, R.R.C.E Campus, (PG Block)
 Full Address: Ramohalli Cross, Mysore Road,
 [With seal] Bangalore-560 074
 (Govt. /Govt. Aided/University & wherever applicable)

Dated: 03/02/2021



**INTERNAL AUDITOR,
 CHARTERED ACCOUNTANT,**

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

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/Accounts Officer/Controller
(If it is Govt. / Govt. Aided Institute)
Rubberstamp:

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

Date: 03/02/2021

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




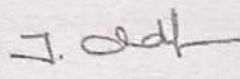
Note:-If it is more than one page, each page must be signed & Stamped in all annexure.

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 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 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-74

Dated: 03/02/2021



Chartered Accountant
(Signature and Seal)

(FORM GFR- 19)

Assets acquired wholly or substantially out of Government grants

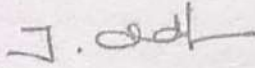
Register maintained by grantee institution
Block Account maintained by sanctioning authorities
Name of Sanctioning Authority

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

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-76

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

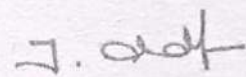
S. No.	List of Equipment Procured	Cost	GST 18%	Total Cost
1	Spectrum Analyzer with Track Wise Server DSA832E-TG	4,28,000	77,040	5,05,040.00
2	Spectrum Analyzer Accessories & Development Kits	1,14,344	20,581.92	1,34,925.92
3	Raspberry pi 3 model b	4,700.00	846	5,546.00
4	TFT Touching Screen Shield	19,602	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

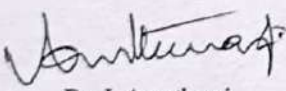
10. Whether there is any deviation from the purpose for which: No Deviation Grant was released. If so Details of Deviation to be given.

Dated: 03/02/2021

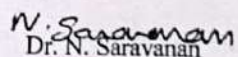

Project coordinator
Professor & Head
Dept. of CSE
Rajarajeswari College of Engg.
Bengaluru - 74.

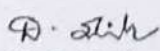

Registrar/Director/Principal
(Signature & Seal)
Principal
RAJAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

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
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
RAJAJESWARI 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

Tax Invoice

Digital Shark Technology Private Limited No.888, 2nd Floor, 80 Feet Road, Papereddy Palya 2nd Stage, Nagarbhavi Bengaluru GSTIN/UIN: 29AAFC1692P1ZZ State Name : Karnataka, Code : 29 CIN: U72200KA2014PTC076708 E-Mail : kishore.m@digitalshark.in	Invoice No.	Dated
	DST/2019-20/26	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.	Other Reference(s)
	DST/2019-20/26	
	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%				9 %	38,943.00
	SGST @ 9%				9 %	38,943.00
Total			2 nos			₹ 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		State Tax		Total
	Rate	Amount	Rate	Amount	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 : AAFCD1692P

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



Tax Invoice

Digital Shark Technology Private Limited No.888, 2nd Floor, 60 Feet Road, Paperneddy Palya 2nd Stage, Nagarbhavi Bengaluru GSTIN/UIN: 29AAFCD1692P1ZZ State Name : Karnataka, Code : 29 CIN: U72200KA2014PTC076708 E-Mail : kishore.m@digitalspark.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	TFR 7 Inch Touch Screen	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			3 nos			₹ 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 Rate	Central Tax Amount	State Tax Rate	State Tax Amount	Total Tax 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 : AAFCD1692P

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



Tax Invoice

Digital Shark Technology Private Limited No.888, 2nd Floor, 80 Feet Road, Papareddy Palya 2nd Stage, Nagarbhavi Bengaluru GSTIN/UIN: 29AAFCD1692P1ZZ State Name : Kamataka, Code : 29 CIN: U72200KA2014PTC076708 E-Mail : kishore.m@digitalshark.in		Invoice No.	Dated	
		Delivery Note	Mode/Terms of Payment	
Rajarajeswari College of Engineering No.14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bangaluru - 560 074 State Name : Kamataka, Code : 29		Supplier's Ref.	Other Reference(s)	
		Buyer's Order No.	Dated	
Buyer (if other than consignee) Rajarajeswari College of Engineering No.14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bangaluru - 560 074 State Name : Kamataka, Code : 29		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



Tax Invoice(Page 2)

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

Sl 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 : **AAAFCD1692P**
 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





AICTE – Travel Grant Scheme (TGS)

TGS

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**TGS - Offer Letter**

To

The Principal/Director/Registrar,
RAJARAJESWARI COLLEGE OF ENGINEERING
#14, RAMOHOLLI CROSS,
KUMBALGODU,
MYSORE ROAD, BANGALORE - 560074, BANGALORE URBAN
BANGALORE - 560074

Sub: Offer of Financial assistance under Travel Grant scheme for attending International Conference from 05-05-2018 during the current financial year 2018-19 -reg.

Sir/Madam,

All India Council for Technical Education is pleased to grant approval of financial assistance towards Travel Grant Scheme for attending International Conference w.e.f. 05-05-2018, towards airfare, registration and per-diem on reimbursement basis for the financial year 2017-18. The purpose of this offer is to promote research and development activities in various areas of technical education by providing opportunity to meritorious faculty members to interact at International level and update their knowledge and expertise in the concerned fields/ areas of specializations.

HEAD	AMOUNT OFFERED BY AICTE (IN RS.)
Air-Fare*	Maximum of Rs. 91000/- as recommended by the Expert or the actual expenditure incurred under Air fare (preferably by Air India) registration fee and per diem or requested amount in application, whichever is less.
Registration*	
Per-Diem*	

The instructions/guidelines to be followed by the Applicant**I Release of funds and maintenance of accounts**

- a. The Principal of the institute and the Applicant of the Conference/Workshop 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 to be 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	KUMBA LAGOD U BRANCH	RRCE, NO14, RAMOHALLI CROSS, MYSORE ROAD, KUM BALAGODU, BANGLAOR E-560074	RAJARAJESWARI COLLEGE OF ENGINEERING	Saving Account	263701000032	ICIC0002637

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

- b. The financial assistance being given can be used for Air Fare (from the nearest airport from place of posting to the nearest airport to the venue of visit), Registration fee (subject to submission of money receipt) & Per Diem allowances as per OM No. 7(4) dated 24.09.2000 and any subsequent modification being issued thereon for the days of conference plus maximum two days for journey. The beneficiary

AQIS Application Id: 1-3549033626

RAJARAJESWARI COLLEGE OF ENGINEERING Bangalore - 560 074		
Date	18/3/19	Remark
Inward No	114	
File		

has to travel by shortest route under excursion economy class of Air India. On sectors where Air India does not operate, a certificate from Air India Office has to be taken (Certificate from Travel Agent will not be accepted). If the journey is performed partly by Air-India and partly by any other airline, the ticket for the entire journey should be purchased from Air India and not the collaborating airline.

- c. If the assistance received from other sources and the amount offered by AICTE together exceeds the actual expenditure, AICTE support will be limited only to the actual expenditure incurred.
- d. The above offer is strictly limited to participation in the conference for which the travel has been approved by the AICTE. In case the beneficiary is unable to visit the place of conference and utilize the offered amount, immediate information should be sent to AICTE.
- e. The reimbursement will be limited to the extent recommended by the duly constituted expert committee.
- f. The beneficiary should submit a certificate that the amount claimed from AICTE, has not been claimed/reimbursed from any other agency.

II Disbursement of funds to the Institution

- a. 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.
- b. This grant-in-aid will be released in conformity with the terms & conditions as well as norms of the scheme as already communicated and also being communicated in this letter.
- c. The sanctioned amount is debitable to the Head 601.7-Plan of the scheme of Travel Grant (TG) and is valid for payment during the financial year 2018-19.
- d. The admissibility of claim will be calculated as per the norms of AICTE only. If the expenditure incurred is less than the amount offered, the reimbursement will be limited to the actual expenditure amount.

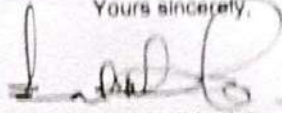
III Submission of documents by the Applicant

- a. The claims for reimbursement (in the enclosed format) duly supported by the following relevant documents should be sent to AICTE through the Head of the Institution in the enclosed Proforma within two months of the completion of the visit: -
 - i) Certified attested copy of passport indicating visa/immigration as proof of undertaking journey. ✓
 - ii) Self-attested certificate for the journey performed.
 - iii) Statement of expenditure incurred against the amount of travel grant offered under different heads.
 - iv) Copies of Air-tickets of Air-India / Indian Airlines (properly legible and in original with original Boarding Pass).
 - v) Certificate from Air-India indicating the shortest route to the venue approved. If journey is not performed by Air-India due to non-availability of flight official certificate from Air-India stating that there is no flight in the concerned sector (either of Air India itself or in collaboration with some other Air-lines) on that particular date.
 - vi) Original receipt of Registration Fee paid. ✓
 - vii) Voucher indicating the rate at which foreign currency is purchased.
 - viii) Travel documents/ certificate of participation from the concerned institutional agency.
 - ix) Details of assistance received from and / or facilities provided by other organization for the conference with documentary proof.
 - x) Progress report on the International conference/seminar/symposium attended along with outcome and benefits of the event stating scientific and technical activities undertaken during period in the prescribed format duly counter signed by Director/Registrar/Principal.
 - xi) Certificate from the head of the institution stating that the applicant has not availed the grant under travel grant scheme of AICTE during the last two years.
 - xii) Certificate copy of AICTE Extension of approval for 2018-19.
 - xiii) e-payment details in the enclosed proforma.
- b. As the offer is subject to fulfilment of certain pre-requisite conditions and is in the nature of reimbursement of expenditure already incurred, separate utilization certificates are required to be furnished.

IV General Instructions

- a. The offer letter is valid only if the applicant has not availed the grant under the Travel Grant scheme of AICTE during the last two years.
- b. The grantee will not be treated as a delegate sponsored by Government of India to the aforesaid conference.
- c. In case the journey performed by private air lines/any other airlines other than Air India, the exemption is required to be obtained from ministry of civil Aviation & prior approval of AICTE may be obtained before commencement of the journey.

Yours sincerely,


(Prof. Dileep N Malkhede)
Advisor (RIFD)

01 MAR 2019

Copy forwarded for information and necessary action to: -

1. Dr. USHA SAKTHIVEL ,
COMPUTER SCIENCE & ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING
#14, RAMOHOLLI CROSS,
KUMBALGODU,
MYSORE ROAD, BANGALORE - 560074 , BANGALORE URBAN
BANGALORE - 560074



KSCST Grants

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.

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.



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

20-May-19

Ref: 7.1.03/SPP/133

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

See
[Signature]

Dear Sir,

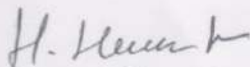
Subject: 42nd Series Student Project Programme (SPP) Grant.

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

Thanking you & with best regards,
Yours sincerely,


(H Hemanth Kumar)

RAJARAJESWARI COLLEGE OF ENGINEERING Bangalore - 560 074		
Date	24/5/19	Remark
Inward No.	155	
File		

केनरा बैंक Canara Bank

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

IFSC: CNRB0000683

Valid for three months only from the date of instrument

चा खा CA 15052019
D D M M Y Y Y Y

Pay The Principal, Rajarajeshwari College of Engineering, ^{Blore} 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. Subramanyam
Secretary
Please sign above

"Payable at par at all our Branches in India"

⑈ 286790⑈ 5600 150 23⑈

29



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_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



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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



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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,
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



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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,
Kumbalgotu, 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)
		Materials/Consumables	8,000.00
Guide/s	Prof. N Sreenivasalu Reddy Dr. Viswanath K C	Labor	500.00
		Travel	500.00
Department	Mechanical Engineering	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



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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_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



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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)
Guide/s	Prof. N Sreenivasulu Reddy Dr. Vishwanath K.C	Materials/Consumables	7,000.00
Department	Mechanical Engineering	Labor	-
		Travel	-
		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



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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_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 :

Encl: As Above

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



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,
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_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



VTU Funded Innovative Projects



Visvesvaraya Technological University

"Jnana Sangama"

Belagavi - 590 018, Karnataka State

Dr. Satish Annigeri
REGISTRAR(U/C)

Phone : (0831) 2498100

Fax : (0831) 2405467

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

Date :

2 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

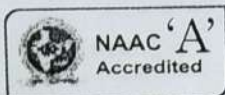
VA 2/3/19



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/2018-19/

Date: 22.03.2019

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.

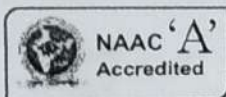
Sl. No.	Branch		Title of the Project	Name/Names of Student	Name of Guide	Remarks
01.	CSE	01.	Autonomous Garbage Collecting Robot using IOT	1. Ranjith L P 2. Akash M B 3. Sithara N S 4. Shravan Kumar B	Prof. Vandana B (Asst. Prof)	Recommended
		02	Block Chain Based Loyalty Platform	1. Manu R 2. Manjunatha 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 Koujalagi (Assoc. Prof)	Recommended



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				4. Yashawanth S M		
		02.	Experimental Analysis of Heat Transfer in a Rotating Receiver Tube of A Parabolic Trough Collector	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

Campus

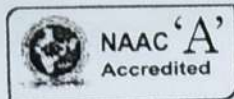
#14, Ramohalli Cross, Kumbalgodu, Mysore Road
Bengaluru - 560 074
Ph : 080 - 28437124 / 28437375 Fax : 080 - 28437373
E-mail : info@rrce.org, enquiry@rrce.org



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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 Bhuvaneshwari (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

[Signature] 22/3/19.
Principal

RAJARAJESWARI

COLLEGE OF ENGINEERING

Ramohalli Cross, Bengaluru - 77

Encl: as above



VGST-RGS



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

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, ಕೆಸ್ವಿಪ್ಸ

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 ಕೆಸ್ವಿಪ್ಸಿಗೆ 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
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RAJARAJESWARI COLLEGE OF ENGINEERING

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Criterion: 3.1.1

Academic Year: 2017-18



2017-18



RAJARAJESWARI COLLEGE OF ENGINEERING

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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							
International Conference on Recent Trends in Computational Engineering and Technologies ICTRCET'18	Dr.S.Usha	CSE	2018	1.0	1 Year	SERB - Assistance to Professional Bodies & Seminar Symposia	Government
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

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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

RAJARAJESWARI COLLEGE OF ENGINEERING

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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				1.66			


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



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Science and Engineering Research Board

(Statutory Body Established Through an Act of Parliament : SERB Act 2008)
Department of Science and Technology, Government of India

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SCIENCE & ENGINEERING RESEARCH BOARD (SERB)

(Statutory Body Established Through an Act of Parliament : SERB Act 2008)

Assistance to Professional Bodies and Seminar SymposiaFile Number: SSY/2017/001799

Subject: Application titled International Conference on Recent Trends in Computational Engineering & Technologies (ICTRCET18'') in a'

Usha

Dear Dr. Usha Sakthivel,

Ala Ramesh

It is to inform you that your proposal seeking for financial assistance under "Assistance to Professional Bodies & Seminar / Symposia Sch for the same. We are now agreed to provide **gs 1,00,000/-** as **partial grant-In-atd** to the **recommeddettapp|t tj** ,r

Aravind Subraman

Kindly note that, no se/sara/e communication by post would be sent to you in this regard.

serb



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SERB File Number: SSY/2017/001799 Regarding Unique Id, NGO Darpan Portal

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Science and Engineering Research Boar

(Statutory Body Established Through an Act of Parliament : SERB Act of 2008)
Department of Science and Technology, Government of India

From: Dr. Ramesh Vijayan
Dear Sir,

As per the direction of Government of India, a Society / NGO/Private / Trust / Entity etc. should be registered on NGO Darpan Portal. the "Unique Id" provided by the NGO Darpan Portal. Therefore, you are requested to share the Unique Id of your society with SERB, if society on NGO Darpan Portal and convey the "Unique Id" at the earliest.

Awaiting for your "Unique Id" to process further.

66 *999999999999 66*999666* **LEGAL DISCLAIMER** 66***6699 6 669996666 6 999966666666669999

?tc-a sc- due n ct reply to this mail !!

SERB is now on Social-Media. Kindly follow us on Twitter: @serbonline <https://twitter.com/serbonline>

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Science and Engineering Research Board
(a statutory body of the Department of Science & Technology, Government of India)

5 & 5A, LGF,
Vasant Square Mall
Sector-B, Pocket-5, Vasant Kunj,
New Delhi - 110 070

Statement of Expenditure & Utilization Certificate

(Financial Assistance to Seminar / Symposia)

SERB Sanction No: SB/SSY/2017/001799

Date: 05/06/2018

1. Name of Academic Institution / University / Society etc. under whose auspices the Seminar / Conference / Workshop / Symposium etc. was organized:
RAJARAJESWARI COLLEGE OF ENGINEERING, Karnataka, Bangalore.
2. Title of the Conference.
International Conference on Recent Trends in Computational Engineering and Technologies "ICTRCET-18" in association with IEEE
3. Duration / Period of the organized event: 2 Days

From			To		
Date	Month	Year	Date	Month	Year
17	May	2018	18	May	2018

4. Grant Sanctioned / Released:
1,00,000/- (Rupees - One Lakh)
5. Out of Total expenditure of 9,20,000/- (Rupees - Nine Lakh Twenty Thousand only) SERB Grant of 1,00,000/- (Rupees - One Lakh) has been utilized as per the details given below:

S. No	Budget Head	Amount (1,00,000/-)
I.	Domestic Travel for Young and Senior Scientists (Indian Only)	30,000/-
II.	Pre-Conference Printing (Announcements, abstracts etc.)	40,000/-
III.	Contingencies (Stationary items, Working Tea / Lunch, Audio-Visuals etc.)	30,000/-
	Total	1,00,000/-

6. Brief details of total income and expenditure:

Income (in Rupees)			Expenditure (in Rupees)			
1.	By Registration	5,00,000/-	1.	Domestic Travel for Young and Senior Scientists (Indian Only)	2,00,000/-	
2.	By Organization/Institution	2,00,000/-		2.	Pre-Conference Printing (Announcements, abstracts etc.)	90,000/-
3.	By advertisements	- Nil-	3.		Contingencies Stationary items	1,00,000/-
4.	By Grant from SERB	1,00,000/-		Working Tea, Lunch	1,00,000/-	
5.	By Other Funding Agencies	- Nil-		Audio-Visuals	30,000/-	
				4.	Printing of Proceedings	- Nil-
				5.	Local Hospitality	3,00,000/-
				6.	Conference Kit & Momentous	1,00,000/-
			Total (in Rupees)		Total (in Rupees)	

Dr. S. Usha
 Professor & HoD
 Dept. of Computer Science and Engg.
 (Signature of Convener / Organizing Secretary)

NOTE- STATEMENT OF EXPENDITURE AND UTILIZATION CERTIFICATE, SCANNED COPIES, SHOULD BE UPLOADED ONLINE FIRST (IF SANCTIONED THROUGH ONLINE PROCESS) AND ORIGINALS SHOULD BE SUBMITTED IN SERB OFFICE IN SHORTEST POSSIBLE TIME.

FORM G.F.R. 19 A

UTILIZATION CERTIFICATE

(IN DUPLICATE)

Date: 05/06/2018

SERB Sanction No: SB/SSY/2017/001799

1. Certified that out of 1,00,000/- (Rupees - One Lakh) of grants-in-aid sanctioned during the year 2017 in favor of International Conference "ICTRCET-18" vide SERB order No SB/SSY/2017/001799 Dated 12-Mar-2018 has been utilized for the purpose of International Conference "ICTRCET-18" for which it was sanctioned and that the balance of -Nil- remaining unutilized at the end of the event.
2. Also certified that I have satisfied that the conditions on which the grants-in-aid was sanctioned have been fulfilled/are being fulfilled, and to see that the money was actually utilized for the purpose for which it was sanctioned.

(In case of University /
Academic Institution)

S. Usha 5/6/18
Signature of Convener /
Organizing Secretary
(with Seal)
Dr. S. Usha
Professor & HoD
Dept. of Computer Science and Engg.
RRCE, Bengaluru -560074

R. Rajeswari 6/6/18
Head of the Institution/
(Principal)
(with Seal)
Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

For Rajarajeswari College of Engineering
[Signature] 6/6/18
for Financial Controller
Moogambigai Charitable & Educational Trust
Signature of Accounts/
Finance Officer/
(with Seal)



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Date : 15-05-18

M/s RAJARAJESHWARI COLLEGE OF ENGINEERING

Mysore Road, Bengaluru

P.O. No.

D.C. No.

Dated.

Sl. No.	PARTICULARS	Qty.	Rate / Per	Amount	
1.	IEEE International Conference Invitation with cover 9"x6" single colour printing	100 nos.	25/-	2500/-	
2.	ICTRCET-2018 Certificate of Participation	500 nos.	12/-	6000/-	
3.	ICTRCET-2018 Best Paper Award	20 nos.	15/-	300/-	
4.	ICTRCET-2018 Certificate of Appreciation	50 nos.	12/-	600/-	
5.	ICTRCET-2018 Best Poster Award	5 nos.	15/-	75/-	
6.	ICTRCET-2018 Certificate of Participation	50 nos.	12/-	600/-	
7.	ICTRCET-2018 Certificate of Participation Tutorial Session	400 nos.	12/-	4800/-	
8.	Certificate	8 nos.	15/-	120/-	
8.	ICTRCET-2018 Our Speakers Banner 20x10 with pasting	2 nos.	5600/-	11200/-	
9.	ICTRCET-2018 Note pad	300 nos.	12/-	3600/-	
10.	ID Card Faculty	40 nos.	6/-	240/-	
11.	ID Card Student Volunteers	60 nos.	8/-	480/-	
12.	ID Card Delegate	200 nos.	6/-	1200/-	
13.	ID Card Tag	200 nos.	5/-	1000/-	
14.	ID Card Pouch	250 nos.	3.50/-	875/-	
15.	ICTRCET-2018 Warm Welcome to Standby Banner 6x3	7 nos.	1600/-	11200/-	
16.	IEEE International Conference Invitation with cover 9"x6" single colour printing	26 nos.	38/-	988/-	
Printing & banner removed for conference T. Kandy A/c Details : CA Shukrashree Printers 04721400000150 IFSC : SYNB0000472 Syndicate Bank, Yediyur Branch E.O.E. Party's TIN :				Total	45,778/-
				Central Tax 6%	2747/-
				State Tax 6%	2747/-
				Grand Total	51,272/-

Terms : Interest % p.a. will be charged from the date of bill if not paid with in days.
All disputes are subject to Bangalore Jurisdiction only.

Rupees Fifty One Thousand Two Hundred
Seventy Two only

For Shukrashree Printers

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Total = 51272 + 2952
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A ready we paid Rs 27000/- Remaining Rs 53824/- has to be paid through cheque.



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Date : 16-05-18

M/s: **RAJARAJESHWARI COLLEGE OF ENGINEERING**

P.O. No.

D.C. No.

Dated.....

Mysore Road, Bengaluru

Sl. No.	PARTICULARS	Qty.	Rate / Per	Amount
1.	ICTRCET-2018 Certificate of Participation	50 nos.	12/-	600/- ✓
2.	ICTRCET-2018 Floor Details Standy (Big)	1 nos.	2200/-	2200/- ✓
3.	MOU Banner 6x3	1 nos.	270/-	270/- ✓
4.	Gala Dinner Banner 10x8 with pasting	1 nos.	2160/-	2160/- ✓
5.	Seminar Halls 6x4 with pasting	8 nos.	648/-	5184/- ✓
6.	Warm Welcome to 10x10 with pasting	1 nos.	2700/-	2700/- ✓
7.	Back drop Banner 10x5	1 nos.	750/-	750/- ✓
8.	Sponsors Standy 6x3	2 nos.	1600/-	3200/- ✓
9.	Memento	8 nos.	165/-	1320/- ✓
10.	ID Card Pouch	50 no.	3.50/-	140/- ✓
11.	VIP Badge	16 Nos.	100/-	1600/- ✓
12.	Certificate Frame	8 nos.	600/-	4800/- ✓
13.	CD Sticker	225 nos.	6.50/-	1462/- ✓
<p>Printing 6 banner items received for use conference.</p> <p>T. Kandy</p> <p>LA-11</p>				
<p>A/c Details :</p> <p>Shukrashree Printers</p> <p>04721400000150 IFSC : SYNB0000472</p> <p>Syndicate Bank, Yedyur Branch</p>				
E.&O.E. Party's TIN :				
			Total	26,386/-
			Central Tax 6%	1583/-
			State Tax 6%	1583/-
			Grand Total	29,552/-

Terms : Interest % p.a. will be charged from the date of bill if not paid with in days
All disputes are subject to Bangalore Jurisdiction only.

Rupees Twenty Nine Thousand Five Hundred
Fifty Two only

For Shukrashree Printers

Sd/-

C.G. Ramaswamy



|| Sai Ram ||

GST No. : 29ABDFS9360H1ZQ

Shukrashree Printers

3, 1st Cross, Tatasilk Farm, Bangalore - 560 070.

Cell : 94483 31492, 96200 42103

Email : deepu.shukrashree@rediffmail.com

TAX INVOICE

CASH / CREDIT

No. 087

Date : 24-05-18

M/s : RAJARAJESHWARI COLLEGE OF ENGINEERING

Mysore Road, Bengaluru

P.O. No.

D.C. No.

Dated.

Sl. No.	PARTICULARS	Qty.	Rate / Per	Amount
1.	ICTRCET-2018 Certificate of Participation Presented paper titled	25 nos.	15/-	375/-
2.	ICTRCET-2018 Certificate of Participation Presented poster titled	25 nos.	15/-	375/-
3.	Project Expo-2K18 Certificate	15 nos.	15/-	225/-
4.	Project Expo-2K18 Certificate Design			200/-
A/c Details : Shukrashree Printers 04721400000150 IFSC : SYNB0000472 Syndicate Bank, Yedyur Branch E.&O.E. Party's TIN :				Total 1175/-
				Central Tax 6% 70/-
				State Tax 6% 70/-
				Grand Total 1315/-

Terms : Interest % p.a. will be charged from the date of bill if not paid with in days.
All disputes are subject to Bangalore Jurisdiction only.

Rupees One Thousand Three Hundred Fifteen only

For Shukrashree Printers

Sd/-

C.G. Ramaswamy

Vijay Rajiv Kotimani

EXCLUSIVE CATERING SERVICES

M : 93 05 55 66 66 | 95 13 41 16 66

Email : vijayrajiv.kotimani@gmail.com

Invoice/Cash Bill

Buyer M/S. RRMC RRCE (Conference)		Date.		28/05/2018	
		Invoice No.		008	
		Our Ref No.		008/2018-19	
		Duration		ODC	
SL. No.	Food Items	Date	Quantity	Rate	Amount
01)	Dinner Menu(Veg & Non Veg) Add: CGST @2.50%..... SGST @ 2.50%.....	17 th May 18	150	250.00	37,500 00 937 50 937 50
Total					39,375.00
Rounded off					39,375.00
Amount chargeable (in words)					
RUPEES THIRTY NINE THOUSAND THREE HUNDRED SEVENTY FIVE ONLY					
Payment Terms					
01) Invoice to be cleared within 15 days from the date of submission					
02) The amount to be RTGS to SBI Bank, CURRENT ACCOUNT No.36488848299 IFSC: SBIN0005794.					
03) Our GSTIN No. 29DOCPK8781R1Z5.					
04) Payment can be given by Cheque or DD favouring VIJAY RAJIV KOTIMANI					

For International conference "Galadinner"
for delegate & Guest at
Swimming pool.

E. J.

S. M. -
31/05/18

For Vijay Rajiv Kotimani Exclusive Catering Services

Vijay

Proprietor

Proprietor

Name : Rajarajeshwari Engineering College
Address : Bangalore
GST No :
Phone No : 9900026006

Date : 17.05.2018
Invoice No : 44
Customer Id :

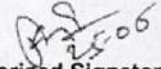
SR.NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
	Lunch -17.05.18	250.00	275.00	68,750
				-

Bank details:
Beneficiary: Nandhana Foods Private Limited
Bank: Karnataka Bank
Branch: Koramangala Extension, Bangalore Karnataka -560 034
Account No: 0947000601204901
MICR Code: 560052014
RTGS/ NEFT: KARB0000094

SUBTOTAL	INR 68,750
CGST 9%	6188
SGST 9%	6188
Transportation Charges	
Grand Total	81125

CIN: U55101KA2012PTC062227
GSTIN: 29AAECN3111G1ZR
SAC CODE: 996334
H S N CODE: 21069099

For Nandhana Foods Pvt Ltd


Authorised Signatory (RRN)

Name : Rajarajeshwari Engineering College
Address : Bangalore
GST No :
Phone No : 9900026006

Date : 18.05.2018
Invoice No : 46
Customer Id :

SR.NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
	Lunch -18.05.18	250.00	275.00	68,750

SUBTOTAL INR 68,750

Bank details:
Beneficiary: Nandhana Foods Private Limited
Bank: Kamataka Bank
Branch: Koramangala Extension, Bangalore Karnataka -560 034
Account No: 0947000601204901
MICR Code: 560052014
RTGS/ NEFT: KARB0000094

CGST 9% 6188
SGST 9% 6188
Transportation Charges
Grand Total 81125

CIN: U55101KA2012PTC062227
GSTIN: 29AAECN3111G1ZR
SAC CODE: 996334
H S N CODE: 21069099

For Nandhana Foods Pvt Ltd


Authorised Signatory (RRN)

Invoice / Bill

ORIGINAL

MUNESHWARA CANTEEN Bill no-09

RAJARAJESWARI COLLEGE OF ENGINEERING
MYSORE ROAD KUMBALAGODU RAMOHALLI GATE
BENGALURU-560074.

To,

CSE DEPT

Date = 22/05/2018

RAJARAJESWARI COLLEGE OF ENGINEERING

MYSORE ROAD KUMBALAGODU RAMOHALLI GATE
BENGALORE-74

DATE	COFFE/TEA 8/- ✓	BRAKE FAST 30/-	LUNCH 50/-	SNACKS 10/- ✓	BISCUITS 5/- ✓	PLAIN CAKE 7/- ✓
17/05/2018	347	30	258	150	150	
18/05/2018	345	-	250	150		150
TOTAL NO.	692	30	508	300	150	150
TOTAL AMT.	5,536	900	25,400	3,000	750	1,050
GRAND TOTAL.	= 36636/-					

Cse dept Students & co-ordinators

Lunch for 2 days

T. Hanth

S. Usha
Dr. S. Usha
Professor & HoD
Dept. of Computer Science and Engg.
RCC, Bengaluru -560074

CGST 2.5%	915
SGST 2.5%	915
TOTAL AMOUNT	38,466

GST NO. 29DTWPM7073P1Z9

For MUNESHWARA CANTEEN

Manjunath N K

MOB NO: 9743550167

PAN No: DTWPM7073P

ಶುಭಾಕ್ಷರ

S. Usha
Dr. S. Usha
 Professor & HoD
 Dept. of Computer Science and Engg.
 RRCE, Bengaluru - 560074



KSCST Grants



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: 7.1.03/SPP/43

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

RAJARAJESWAR 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.

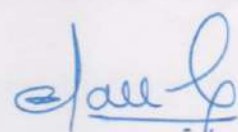
Reference : Council letter No.7.1.02/SPP/656 dated 30-11-2017

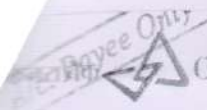
With reference to the above , please find the enclosed herewith below mentioned cheque in your favour towards amount sanctioned for different projects under 41st Series of Student Project Programme(SPP) (Project list enclosed).

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)



Canara Bank

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

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

चा खा | CA

28 03 20 18
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. सं.
A/c. No.

0683201000024

For K. S. C. S. T

[Signature]

Executive Secretary

For K. S. C. S. T

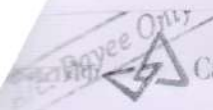
[Signature]
Secretary

Please sign above

"Payable at par at all our branches in India"

⑈660472⑈ 560015023⑈

29



Canara Bank

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

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

चा खा | CA

28 03 20 18
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. 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



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

5) Introduction / background

41S_BE_2124

(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.

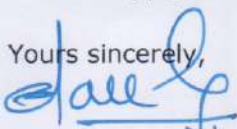
DEMO OF SECURE TRANSACTIONS REQUIRED.

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



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,
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	Amount (Rs)
		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

1+2

28th March, 2018

ACCTS
CSE
OK

RAJARAJESHWARI COLLEGE OF ENGINEERING Bengaluru - 560 074	
Date	28/4/18
Inward No	188
File	
Remark	

- 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 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.

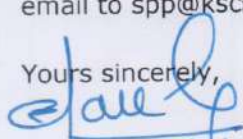
STATICS OF GOOGLE RATINGS AND YOUR ANALYSIS TO BE COMPARED.

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



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,
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_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



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.

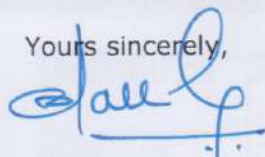
The sanctioned amount will be sent separately by our Accounts Department.

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



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,
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_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.
- 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

1+2
ACCTS
ECG
B/C

28th March 2018



6) Introduction / background

41S_BE_0415

(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.

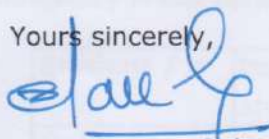
The sanctioned amount will be sent separately by our Accounts Department.

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 Bhuvaneshwari
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



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 :

- 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

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.

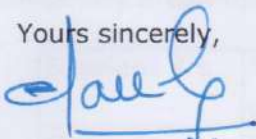
The sanctioned amount will be sent separately by our Accounts Department.

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



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_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 :

- 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

6) Introduction / background

41S_BE_0384

(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.

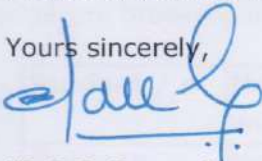
The sanctioned amount will be sent separately by our Accounts Department.

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
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



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: 7.1.03/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)



1+2
Accts
MG
o/c

13th April 2018



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

28th March 2018

Ref: 7.1.01/SPP/08

The Principal,
Rajarajeshwari College of Engineering,
#14, Ramohalli Cross,
Kumbalgotu, 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 :

- 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

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.

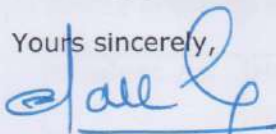
The sanctioned amount will be sent separately by our Accounts Department.

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 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



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.

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RAJARAJESHWARI COLLEGE OF ENGINEERING	
Bengaluru - 560 074	
Date	23/4/18
Inward No	186
File	
Remark	

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 :

- 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

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
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



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: 7.1.01/SPP/08

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

Dear Sir,

Sub : Sanction of Student Project (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

1+2
Accts
TPE
ok

28th MARCH 2018

RAJARAJESHWARI COLLEGE OF ENGINEERING Bengaluru - 560 074		Remark
Date	23/4/18	
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

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.

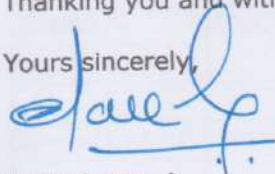
The amount sanctioned for the selected projects will be sent by cheque.

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



VTU Funded Innovative Projects



Visvesvaraya Technological University

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

Dr. H.N. Jagannatha Reddy, B.E., M.E., Ph.D.
REGISTRAR

Phone : (0831) 2405468

Fax : (0831) 2405467

Ref. No: VTU/Aca/2018-19/ 1584/26

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

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

Or Bearer

Amutharaj

Five thousand only -

₹ 5000/-

A/c No.

263701000032

29/3/18

SBTAS

CBS

WEALTH MANAGEMENT : SAVINGS ACCOUNT

000768X263701000032000768X263701000032000768X263701000032000768X263701000032

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



FOR RAJARAJESWARI 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

Or Bearer

Pay *Neha Singhal*

Rupees *Five thousand only -*

₹ 5000/-

A/c No.

263701000032

29/3/18

SBTAS

CBS

WEALTH MANAGEMENT : SAVINGS ACCOUNT

000769X263701000032000769X263701000032000769X263701000032000769X263701000032

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



FOR RAJARAJESWARI COLLEGE OF ENGINEERING

[Signature]

TRUSTEE (S)

Please sign above

⑈000769⑈ 560229075⑈ 000032⑈ 31

for NEHA SINGHAL

11/8/2018

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



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							
AICTE sponsored one week hands on workshop on advances in communication networking using NS3	Dr. L. Rangaiah	ECE	2017	1.0	1 Week	AICTE - Seminar Grant	Government
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

RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi

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



RAJARAJESWARI COLLEGE OF ENGINEERING

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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			2.205			


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



AICTE - Seminar Grant

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
Nelson Mandela Marg, Vasant Kunj,
New Delhi-110067

F.NO.7-76/RIFD/SG/POL-1/2016-17

Dated : 8 / 06 / 2017

To

The Drawing and Disbursing Officer
All India Council for Technical Education
Nelson Mandela Marg, Vasant Kunj,
New Delhi-110067

Sub: Sanction Order for releasing of 1st installment (50%) of Grants-in-aid (Plan) under the Scheme of Seminar Grant to Rajarajeswari College of Engineering, #14, Ramoholli Cross, Kumbalgodu, Mysore Road, Bangalore, Karnataka - 560074, for the year 2016-17 during the financial Year 2016-17

Sir,

I am directed to convey the sanction of the Council for payment of **Rs.50,000/- (Rupees Fifty Thousand Only)** as 1st installment (50%) out of the total approved amount of **Rs.1,00,000/- (Rupees One Lakh Only)** for Organizing Seminar to Rajarajeswari College of Engineering, #14, Ramoholli Cross, Kumbalgodu, Mysore Road, Bangalore, Karnataka - 560074, under the Scheme of Seminar Grant.

- 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 Director/Principle of the institute through E-payment system.

Bank Account /RTGS Details

Institute PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AAATM1102 H	ICICI BANK LTD.	KUMB ALAGO DU BRANC H	RRCE,NO14, RAMOHALLI CROSS, MYSORE ROAD,KUMB ALAGODU,B ANGLAORE-560074	RAJARAJESWARI COLLEGE OF ENGINEERING	Saving Account	263701000032	ICIC0002637

- The Acceptance letter with dates (to be held within six months from the date of issuance of Sanction Order) for conducting Seminar should reach this office within 15 days from the date of receipt of the this Sanction Order duly signed and sealed by Co-ordinator and Head of the Institutions along with permission/clearance of Govt. of India for Conducting Seminar.
- The reimbursement of the balance entitled amount of the grant-in-aid shall be released only on receipt of the following documents:-
 - Feedback form in the prescribed proforma.
 - Original Statement of actual Expenditure & Utilization Certificate in the prescribed proforma duly signed by the Head of the institution and countersigned by Registrar/Finance Officer/Govt. Auditor. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed by a Chartered Accountant (with membership no., full address & stamp). Photocopies of format enclosed.
 - Copy of the proceedings/Project completion report.
- This sanction is issued in exercise of the powers delegated to the Council and other terms and condition laid down in the guidelines of the scheme.
- This grant-in-aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated in the above letter and as accepted by the Institution/Coordinator/PI vide their Acceptance Letter.
- The sanctioned amount is debitible to the Major Head 601.8 (a) Gen. of the Scheme of Grant for Seminar Grant (SG) and is valid for payment during the financial year 2016-17

Cont....2

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 560085
IFS Code : YESB0000464

Payable At Par At All Branches of YES BANK Ltd.

14112017
DDMMYY

UTILITY FORMS PVT. LTD. / CTS - 2010

Pay Dr. RANGAIGH.L

or Bearer

Rupees रुपये Twenty Thousand only —

या धारक को

अदा करें

₹ 20,000/-

SAVINGS

A/c No. 046494600000884
खाता क्र.

YES / BANK

For RAJARAJESWARI COLLEGE OF
ENGINEERING

Authorized Signatures

Please sign above

⑈131730⑈ 560532010⑈ 003453⑈ 31

Received on 14/11/17
C. Rangaiah

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 560085
IFS Code : YESB0000464

Payable At Par At All Branches of YES BANK Ltd.

06122017
DDMMYY

Pay Rangaiah L

or Bearer

या धारक को

Rupees रुपये Thirty thousand only

अदा करें

₹ 30,000/-

SAVINGS

A/c No. 046494600000884
खाता क्र.

For RAJARAJESWARI COLLEGE OF
ENGINEERING

YES / BANK

Authorised Signatories

Please sign above

⑈ 131773⑈ 560532010⑈ 003453⑈ 31

Received 30,000/- on 6/12/17
C. Rangaiah

RAJARAJESWARI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi

Affiliated to the Visvesvaraya Technological University, Belagavi



Criterion: 3.1.1

Academic Year: 2016-2017



IEI Grant

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.

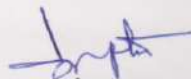
As informed, enclosed please find herewith a cheque no. **807048** dated **29-05-2017** for Rs. **75,000/-** in favour of **RAJARAJESWARI COLLEGE OF ENGINEERING**, drawn on **Axis Bank Ltd.**, Kolkata payable at par at all its branches in India as grant for the R&D project as mentioned above.

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@ieindia.org.

Thanking you.

Yours faithfully,


(N Sengupta)

Director (Technical)

For Secretary & Director General

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

Cc: Guide: Dr. THIRTHA PRASADA H. P

Forwarded to ED for kind information.
BS.



AXIS BANK LTD

KOLKATA (WB), KOLKATA, 700071
IFS CODE - UTIB0000005

VALID FOR THREE MONTHS FROM THE DATE OF ISSUE

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

PAY RAJARAJESWARI COLLEGE OF ENGINEERING

OR BEARER / या धारक को

RUPEES Seventy-Five Thousand Only
रुपये

अदा करें

₹ **75,000.00**

A/C NO. 005010100002704

SBGOS 005161

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

For THE INSTITUTION OF ENGINEERS (INDIA)

A/C PAYEE

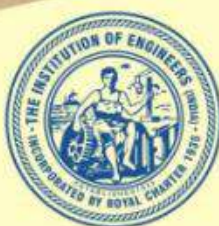
Authorised Signatory(ies)

Please sign above

807049

Payable at par at all branches of Axis Bank Ltd in India.

⑈807049⑈ 700211002⑈ 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.




Secretary & Director General



KSCST Grants



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,, Kumbalgodu,
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)



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

"Valid for three months only from the date of instrument"
चा खा | CA 31 03 2017
D D M M Y Y Y Y

Pay The Principal, Rajarajeshwari College of Engineering
Rupees रुपये Thirty seven thousand only धारक को Or Bearer

अदा करें ₹ 37000/-

खा. सं. 0683201000024
A/c. No.

For K. S. C. S. T
Executive Secretary

For K. S. C. S. T
Secretary
Please sign above

"Payable at par at all our branches in India"

654539 560015023

29



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

- 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.

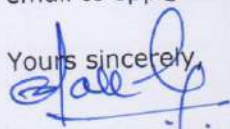
*** COMPARE LI-FI TECHNOLOGY WITH WIFI TECHNOLOGY AND PRESENT RESULTS**

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



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

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.

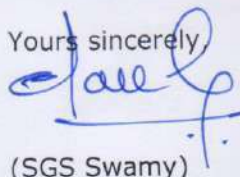
The sanctioned amount will be sent separately by our Accounts Department.

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

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_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:
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 - Name of the College & Department
 - Name of the students & Guide(s)
 - 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 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.

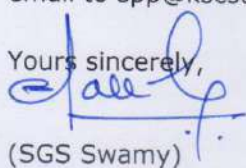
*** PROVIDE ESTIMATION OF THE PROJECT AND GIVE THE ARCHITECTURE**

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



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_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 :
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - 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 (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.

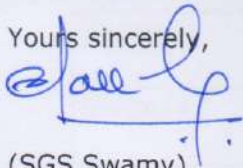
The sanctioned amount will be sent separately by our Accounts Department.

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

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

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.)

40S_BE_1751

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.

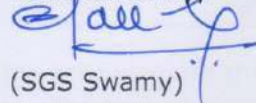
*** COME UP WITH PROTOTYPE TO BE IMPLEMENTED IN THE FIELD.**

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



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_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)
		Materials/Consumables	6,000.00
Guide/s	Prof. Wadekar B D	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

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.

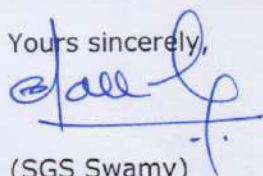
The sanctioned amount will be sent separately by our Accounts Department.

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



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)



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

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.

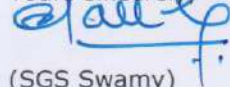
WHAT IS THE BIODIESEL GOING TO BE USES

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



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"

चा खा | CA

31032017
D D M M Y Y Y Y

Blore
या धारक को Or Bearer

Pay The Principal, Rajarajeswari College of Engineering

Rupees रुपये Eight thousand and Five hundred only

X

अदा करें

₹

8500/-

खा. सं.
A/c. No.

0683201000026

For K. S. C. S. T

[Signature]

Executive Secretary

For K. S. C. S.

[Signature]

Secretary

Please sign above

"Payable at par at all our branches in India"

⑈654627⑈ 560015023⑈

29

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 560085

IFS Code : YESB0000464

Payable At Par At All Branches of YES BANK Ltd.

19052017
DDMMYYYY

Pay Akash. S.S.

or Bearer

Rupees रुपये Eight thousand & five hundred only

या धारक को

अदा करें

₹ 8500/-

SAVINGS

A/c No.
खाता क्र.

04649460000884

New Account

For RAJARAJESWARI COLLEGE OF
ENGINEERING

YES / BANK

Authorised Signatories

Please sign above

⑈312475⑈ 560532010⑈ 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 560085

IFS Code : YESB0000464

Payable At Par At All Branches of YES BANK Ltd.

19052017
DDMMYYYY

Pay Hemanka Baidya

or Bearer

Rupees रुपये Five thousand only

या धारक को

अदा करें

₹ 5000/-

SAVINGS

A/c No.
खाता क्र.

04649460000884

New Account

For RAJARAJESWARI COLLEGE OF
ENGINEERING

YES / BANK

Authorised Signatories

Please sign above

⑈312476⑈ 560532010⑈ 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 560085

IFS Code : YESB0000464

Payable At Par At All Branches of YES BANK Ltd.

19052017
DDMMYYYY

Pay pooja S.B

or Bearer

Rupees रुपये Seven thousand & five hundred only

या धारक को

अदा करें

₹ 7500/-

SAVINGS

A/c No.
खाता क्र.

04649460000884

New Account

For RAJARAJESWARI COLLEGE OF
ENGINEERING

YES / BANK

Authorised Signatories

Please sign above

⑈312477⑈ 560532010⑈ 003453⑈ 31

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⑈ 31

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 Prashanth 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⑈ 31

[Signature]

7022643754.

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

19052017
D D M M Y Y Y Y

Pay Spoorthi H.R

Or Bearer

Rupees Six thousand & five hundred only

₹ 6500/-

A/c No.

263701000032

10/3/17

SBTAS

CBS

FOR RAJARAJESHWARI COLLEGE OF ENGINEERING

WEALTH MANAGEMENT : SAVINGS ACCOUNT

000264X263701000032000264X263701000032000264X263701000032000264X263701000032
Payable at par at all branches of ICICI Bank Limited in India



[Signature]

TRUSTEE (S)
Please sign above

Received
Spoorthi

⑈000264⑈ 560229075⑈ 000032⑈ 31

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

19052017
D D M M Y Y Y Y

Pay Harthitha. N

Or Bearer

Rupees Six thousand & five hundred only

₹ 6500/-

A/c No.

263701000032

10/3/17

SBTAS

CBS

FOR RAJARAJESHWARI COLLEGE OF ENGINEERING

WEALTH MANAGEMENT : SAVINGS ACCOUNT

000265X263701000032000265X263701000032000265X263701000032000265X263701000032
Payable at par at all branches of ICICI Bank Limited in India



[Signature]

TRUSTEE (S)
Please sign above

Received by,
R. Pravalika

⑈000265⑈ 560229075⑈ 000032⑈ 31



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,, Kumbalgodu,
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)



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

"Valid for three months only from the date of instrument"
चा खा | CA 31 03 2017
D D M M Y Y Y Y

Pay The Principal, Rajarajeshwari College of Engineering
Rupees रुपये Thirty seven thousand only धारक को Or Bearer

अदा करें ₹ 37000/-

खा. सं. A/c. No. 0683201000024

For K. S. C. S. T
Executive Secretary

For K. S. C. S. T
Secretary
Please sign above

"Payable at par at all our branches in India"

654539 560015023

29



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

- 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.

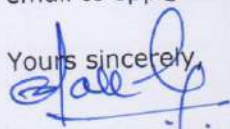
*** COMPARE LI-FI TECHNOLOGY WITH WIFI TECHNOLOGY AND PRESENT RESULTS**

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



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

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.

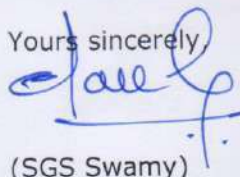
The sanctioned amount will be sent separately by our Accounts Department.

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

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_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	Materials/Consumables	Amount (Rs)	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

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.

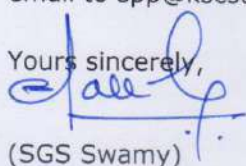
*** PROVIDE ESTIMATION OF THE PROJECT AND GIVE THE ARCHITECTURE**

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



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Indian Institute of Science Campus, Bengaluru - 560 012

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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_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 :
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - 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 (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.

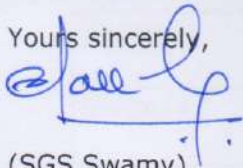
The sanctioned amount will be sent separately by our Accounts Department.

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

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

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

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.

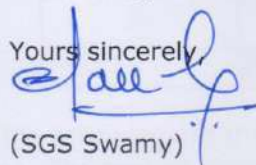
*** COME UP WITH PROTOTYPE TO BE IMPLEMENTED IN THE FIELD.**

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



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

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_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)
		Materials/Consumables	6,000.00
Guide/s	Prof. Wadekar B D	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.
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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

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.

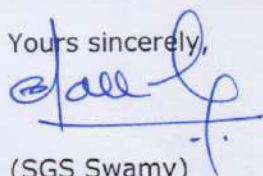
The sanctioned amount will be sent separately by our Accounts Department.

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



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)



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

5) Introduction / background

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(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.

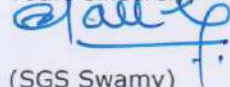
WHAT IS THE BIODIESEL GOING TO BE USES

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



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For K. S. C. S. T

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For K. S. C. S.

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