

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

63. K.S. INSTITUTE OF TECHNOLOGY, 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_1414	SMART HYDROPONICS	TELE COMMUNICATION ENGINEERING	BE	Mr. SENTHIL BABU K	Ms. B V NAVYA	5500.00
2.	42S_BE_1417	BRIDGE MONITORING SYSTEM	TELE COMMUNICATION ENGINEERING	BE	Prof. CHANDA V REDDY	Ms. SHEETAL J	5500.00
3.	42S_BE_1418	THERMAL MANAGEMENT OF ELECTRONIC EQUIPMENTS USING OSCILLATING HEAT PIPES WITH BINARY MIXTURE OF WORKING FLUIDS	MECHANICAL ENGINEERING	BE	Dr. K RAMA NARASIMHA	Mr. AJITH G BHAT	8000.00
4.	42S_BE_1419	DESIGN AND CONSTRUCTION OF AN INTEGRATED DOMESTIC ORGANIC WASTE COMPOSTING DEVICE	MECHANICAL ENGINEERING	BE	Prof. UMASHANKAR M	Mr. RAGHU BHARADWAJ R	8000.00
5.	42S_BE_1422	DUAL POWERED WATER PURIFICATION SYSTEM	MECHANICAL ENGINEERING	BE	MR. PRASAD K	Mr. N. PARASARAN	6000.00
6.	42S_BE_2643	ARTIFICIAL INTELLIGENCE BASED SOLAR VEHICLE	ELECTRONICS AND COMMUNICATION ENGINEERING	BE	Mr. SAMPATH KUMAR S	Ms. MAYANKA GUPTA	8000.00



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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

No: 7.1.03/SPP/105

8th May 2019

The Principal,
K.S. Institute of Technology,
No.14, Raghuvanahalli,
Kanakapura Main Road,
Bengaluru - 560 062.

Dear Sir,

Sub: 42nd Series of Student Project Programme - Nodal Centre Evaluation of Sponsored Projects

Ref: 1) Our project sanctioned letter No. 7.1.01/SPP/1333 dated 27th March 2019

This is to inform you that the Nodal Center Evaluation is being organised on 18th May 2019 (Saturday) at 9:30 am at Dayananda Sagar College of Engineering, Kumaraswamy Layout, Bengaluru.

We request you to inform the concerned guide and students (SPP sponsored projects) to be present at Dayananda Sagar College of Engineering, Kumaraswamy Layout, Bengaluru at 9:30 am. The students need to make presentation/demonstration of their project during the evaluation.

We also request you to inform the students to prepare the project synopsis (about 2 pages) as per the format provided in the sanction letter and send through email to spp@kscst.iisc.ernet.in and participate in the evaluation process.

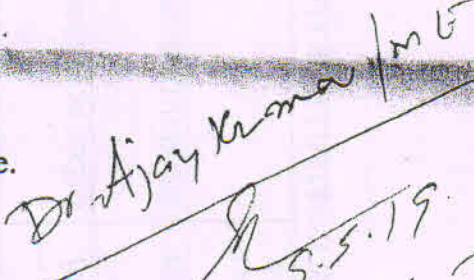
The Guide and Students may please contact Dr. A.R. Aswatha, Professor and Head, Dept. of Electronics and Telecommunication Engineering (Email: hod-tc@dayanandasagar.edu and Ph: 82771 44999) Dayananda Sagar College of Engineering, Kumaraswamy Layout, Bengaluru and confirm the number of participants from your institution to make necessary arrangements.

Thanking you and with best regards,

Yours sincerely,


(H. Hemanth Kumar)

Encl: List of projects sanctioned to your college.


5.5.19
HOD, EL-
TC-
ME-
Cpy.



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Mr. H. Hemanth Kumar
Executive Secretary

Ref: 7.1.01/SPP/1333

27th March 2019

The Principal,
K.S. Institute of Technology,
No.14, Raghuvanahalli,
Kanakapura Main Road,
Bengaluru - 560 062.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019
Your Project Proposal Reference No. : 42S_BE_1418

Ref : Your Project Proposal entitled " **THERMAL MANAGEMENT OF ELECTRONIC EQUIPMENTS
USING OSCILLATING HEAT PIPES WITH BINARY MIXTURE
OF WORKING FLUIDS**

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. Ajith G Bhat and others	Budget	Amount (Rs)
Guide/s	Dr. K Rama Narasimha Mr. Parashuram A K	Materials/Consumables	6,000.00
		Labor	500.00
		Travel	500.00
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	8,000.00
	EIGHT THOUSAND RUPEES ONLY		

The following are the guidelines to carryout the project work :

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

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

Received
Pratibha
7/4/19

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 through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

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,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of
Mechanical Engineering
K.S. Institute Of Technology,
No.14, Raghuvanahalli,
Kanakapura Main Road,
Bengaluru - 560 062.
- 2) Dr. K Rama Narasimha
Department of Mechanical Engineering
K.S. Institute Of Technology,
No.14, Raghuvanahalli,
Kanakapura Main Road,
Bengaluru - 560 062.
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above



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27th March 2019

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The Principal,
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No.14, Raghuvanahalli,
Kanakapura Main Road,
Bengaluru - 560 062.

Dear Sir/Madam,

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

Your Project Proposal Reference No. : **42S_BE_1419**

Ref : Your Project Proposal entitled " **DESIGN AND CONSTRUCTION OF AN INTEGRATED DOMESTIC ORGANIC WASTE COMPOSTING DEVICE**

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. Raghu Bharadwaj R and others	Budget	Amount (Rs)
		Materials/Consumables	6,000.00
Guide/s	Prof. Umashankar M	Labor	500.00
		Travel	500.00
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	8,000.00
EIGHT THOUSAND RUPEES ONLY			

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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 through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

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,



(H. Hemant Kumar)

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Bengaluru - 560 062.
- 2) Prof. Umashankar M
Department of Mechanical Engineering
K.S. Institute Of Technology,
No.14, Raghuvarahalli,
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Mr. H. Hemanth Kumar
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27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,
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Bengaluru - 560 062.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019
Your Project Proposal Reference No. : **42S_BE_1422**

Ref : Your Project Proposal entitled " **DUAL POWERED WATER PURIFICATION 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	Mr. N. Parasaran and others	Budget	Amount (Rs)
		Materials/Consumables	4,000.00
Guide/s	Mr. Prasad K	Labor	500.00
		Travel	500.00
Department	Mechanical Engineering	Miscellaneous	500.00
		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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 - Name of the students & Guide(s)
 - Keywords

Handwritten signature and date:
8/4/19

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(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)

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Department of Mechanical Engineering
K.S. Institute Of Technology,
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Certificate

This is to certify that Mr. AJITH G BHAT, Mr. KIRTHI KUMAR H JAIN, Mr. PAVAN B and Mr. VENKATARAMANA NAYAK K students of K.S. INSTITUTE OF TECHNOLOGY, BENGALURU participated in the Student Project Programme (SPP) during the year 2018 - 2019 (42nd Series) and completed the project entitled THERMAL MANAGEMENT OF ELECTRONIC EQUIPMENTS USING OSCILLATING HEAT PIPES WITH BINARY MIXTURE OF WORKING FLUIDS under the guidance of Dr. K RAMA NARASIMHA and Mr. PARASHURAMA K. This project was selected for the Seminar / Exhibition held at KLE Society's Dr. M. S. Sheshgiri College of Engineering and Technology, Belagavi on 26th and 27th July 2019. This project is supported by Department of Science and Technology, Government of Karnataka and Department of Science and Technology, Government of India.

S. Subramanian
Prof. S. Subramanian
Secretary, KSCST

Anurag Kumar
Prof. Anurag Kumar
Director, Indian Institute of Science and
Vice-President, KSCST