

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 office.kscst@iisc.ac.in

16th March 2020

Mr. H. Hemanth Kumar Executive Secretary

Ref: 7.1.01/SPP/953

The Principal, K.S. Institute of Technology, Bengaluru - 560 062.

Dear Sir/Madam,

Sub: Sanction of Student Project - 43rd Series: Year 2019-2020

Your Project Proposal Reference No.: 43S\_BE\_1305

Ref: Your Project Proposal entitled " RAKSHAK - A BORED WELL RESCUE BOT

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Ms. Kadri Srinidhi Rao	Budget	
	Ms. Jeevitha Kalaashilpa N C	Particulars	Amount (Rs.)
	Ms. Ashwini S	Materials/Consumables	5,000.00
	Ms. Bhagya Shree S J	Labour	
Guide/s	Dr. P N Sudha	Travel	1
	_	Miscellaneous	-
Department	Electronics And Communication	Report	500.00
	Engineering	Total	5,500.00
	Five Thousand Five Hundred Rupees Only		

- a) The project should be performed based on the objectives of the proposal sent by you.
- b) 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.
- c) 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.
- d) Please quote your **project reference number printed above** in all your future correspondences.
- e) **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

- 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 crossed cheque to the Principal. 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)

H. Mus -

Copy to:

- 1) The Head of the Department of Electronics And Communication Engineering K.S. Institute Of Technology, Bengaluru 560 062.
- Dr. P N Sudha
   Department of Electronics And Communication Engineering
   K.S. Institute Of Technology,
   Bengaluru 560 062.
- 3) The Finance Officer, KSCST, Bengaluru



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Mr. H. Hemanth Kumar Executive Secretary

Ref: 7.1.01/SPP/953

16th March 2020

The Principal, K.S. Institute of Technology, Bengaluru - 560 062.

Dear Sir/Madam,

Sub: Sanction of Student Project - 43rd Series: Year 2019-2020

Your Project Proposal Reference No.: 43S\_BE\_1303

Ref: Your Project Proposal entitled " AUTOMATIC SEGREGATION OF WASTE USING ROBOTIC

ARM

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Ms. Bhoomika P M	Budget	
	Ms. Sonika V	Particulars	Amount (Rs.)
	Ms. Suma B S	Materials/Consumables	4,000.00
	Ms. Vismitha Sonna	Labour	
Guide/s	Mrs. V Sangeetha	Travel	-
		Miscellaneous	
Department	Electronics And Communication	Report	500.00
	Engineering	Total	4,500.00
	Four Thousand Five Hundred Rupees Only		

- a) The project should be performed based on the objectives of the proposal sent by you.
- b) 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.
- c) 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.
- d) Please quote your **project reference number printed above** in all your future correspondences.
- e) **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

- 6) Introduction / background (with specific reference to the project, work done earlier, etc) about 20 lines
- 6) Objectives (about 10 lines)
- 7) Methodology (about 20 lines) (materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions (about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).
  (Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)
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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)

Il. bleen -

Copy to:

- 1) The Head of the Department of Electronics And Communication Engineering K.S. Institute Of Technology, Bengaluru 560 062.
- Mrs. V Sangeetha
   Department of Electronics And Communication Engineering
   K.S. Institute Of Technology,
   Bengaluru 560 062.
- 3) The Finance Officer, KSCST, Bengaluru



Indian Institute of Science Campus, Bengaluru - 560 012

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

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Mr. H. Hemanth Kumar Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal, K.S. Institute of Technology, Bengaluru - 560 062.

Dear Sir/Madam,

Sub: Sanction of Student Project - 43rd Series: Year 2019-2020

Your Project Proposal Reference No.: 43S\_BE\_1306

Ref : Your Project Proposal entitled " PROPULSION OF TURBOJET ENGINE USING HHIO GAS

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as

detailed below:

etailed below:		Budget	
Student / s	Mr. Sreekara K B	Particulars	Amount (Rs.)
Stademy	Mr. Shiva Shankar B M	Materials/Consumables	4,500.00
	Mr. Sumesh R	Labour	3
White they	Mr. Supreeth K R	Travel	500.00
Gainey	Mr. Anil Kumar A	Miscellaneous	500,00
		Report	500,00
Department	Mechanical Engineering	Total	5,500,00
	Five Thousa	nd Five Hundred Rupees Only	

The following are the guidelines to carryout the project work:

- a) The project should be performed based on the objectives of the proposal sent by you.
- b) 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.
- c) 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.
- d) Please quote your project reference number printed above in all your future correspondences.
- e) 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

XX 2020

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 crossed cheque to the Principal. 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,

If seem -(H. Hemanth Kumar)

Copy to:

- The Head of the Department of Mechanical Engineering K.S. Institute Of Technology, Bengaluru - 560 062.
- Mr. Anil Kumar A Department of Mechanical Engineering K.S. Institute Of Technology, Bengaluru - 560 062.
- 3) The Finance Officer, KSCST, Bengaluru

Indian Institute of Science Campus, Bengaluru = 560 012

KSCST

Telephone: 000-93341663, 93346048, 93346840 \* Telefax: 060-93346840

office Established the smet in, effice@tecst.org in \$ Website: www.tecst.tes.amet in, www.tecst.org in

Mr. H. Hemanth Kumar Executive Secretary

Ref: 7.1.01/5PP/953

16th March 2020

The Principal, K.S. Institute of Technology, Bengaluru = 560 062,

Dear Sir/Madam,

Sub : Sanction of Student Project = 43rd Series; Year 2019=2020

Your Project Proposal Reference No. 1 435\_8E\_1310

Ref : Your Project Proposal entitled "

DESIGN AND AUTOMATION OF NUTRIENT FEED SYSTEM TO ENHANCE GROWH RATE IN HYDROPONICS

We are pleased to inform that your student project proposal referred above, has been approved we are pleased to inform that your student project Programme = 43rd Series" with a budgetary break-up as detailed below:

Student / s	Ms. S Pechu Muthu	Budget	
January 5	Mr. Pramod Raj K	Particulars	Amount (Pai)
	Mr. Sagar N	Materials/Consumat/les	4,000.00
	Mr. Sharath & Yadav	Labour	
Guide/s	Mr. Gautham S	Travel	1
	-	Miscellaneous	500.00
Department	Mechanical Engineering	Report	500.00
		Total	5,000,00
	Five '	Thousand Rupees Only	

- a) The project should be performed based on the objectives of the proposal sent by you.
- b) 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.
- c) 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.
- d) Please quote your project reference number printed above in all your future correspondences.
- e) 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
  - Name of the College & Department
  - 3) Name of the students & Guide(s)
  - 4) Keywords

435\_RE\_1310

- Introduction / background (with specific reference to the project, work done earlier, etc.) - about 20 lines
- 6) Objectives (about 10 lines)
- Methodology (about 20 lines)
   (materials, methods, details of work carried out, including drawings, diagrams etc.)
- 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 crossed cheque to the Principal, 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,

If. Icca (H. Hemanth Kumar)

Copy to:

- The Head of the Department of Mechanical Engineering K.S. Institute Of Technology, Bengaluru - 560 062.
- Mr. Gautham S
   Department of Mechanical Engineering K.S. Institute Of Technology, Bengaluru 560 062.
- The Finance Officer, KSCST, Bengaluru



Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341852, 23348848, 23348849 + Telefax: 080-23348849

office.kscst@llsc.ac.in

Mr. H. Hemanth Kumar Executive Secretary

Ref: 7.1.01/SPP/953

16th March 2020

The Principal, K.S. Institute of Technology, Bengaluru - 560 062.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

Your Project Proposal Reference No.: 435\_BE\_1307

DESIGN AND FABRICATION OF SOLID WASTE Ref: Your Project Proposal entitled "

COLLECTOR AND WATER DE-FROTHING DEVICE

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Mr. M Venkatesh Kashyap	Venkatesh Kashyap Budget	
	Mr. Ashwin Maiya M	Particulars	Amount (Rs.)
	Mr. Harshith S	Materials/Consumables	4,500.00
1	Mr. Manoj R	Labour	-
Guide/s	Prof. Umashankar M	Travel	-
	-	Miscellaneous	500.00
Department	Mechanical Engineering	Report	500.00
		Total	5,500.00
	Five Thousand Five Hundred Rupees Only		

- a) The project should be performed based on the objectives of the proposal sent by you.
- b) 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.
- c) 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.
- d) Please quote your project reference number printed above in all your future correspondences.
- e) 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

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

- 6) Objectives (about 10 lines)
- Methodology (about 20 lines)
   (materials, methods, details of work carried out, including drawings, diagrams etc)
- 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.

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

Thanking you and with best regards,

Yours sincerely,

H. Luce (H. Hemanth Kumar)

#### Copy to:

- The Head of the Department of Mechanical Engineering K.S. Institute Of Technology, Bengaluru - 560 062.
- Prof. Umashankar M
   Department of Mechanical Engineering K.S. Institute Of Technology, Bengaluru 560 062.
- 3) The Finance Officer, KSCST, Bengaluru



Indian Institute of Science Campus, Bengalury - 569 012

Tutephone: 000 93541609, 93546640, 93346640 \$ Yelefay, 000 93346640

Telephone: the 7431100 per of the Website: winn basel december, man basel orgin basel but smell in, office (filter) and orgin in

office because I be la

#### Mr. H. Hemanth Kumar Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal, K.S. Institute of Technology, Bengaluru - 560 062,

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series; Year 2019-2020

Your Project Proposal Reference No. 1 438\_BE\_1306

PROPULSION OF TURBOJET ENGINE USING HHO GAS Ref : Your Project Proposal entitled " GENERATED FROM WATER BY HIIO GENERATOR

We are pleased to inform that your student project proposal referred above, has been approved we are pleased to inform that your state of the Series with a budgetary break-up as by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

ailed below;		Budget	
Student / s	Mr. Sreekara K B Mr. Shiva Shankar B M	Particulars	Amount (Rs.)
	Mr. Sumesh R	Materials/Consumables	4,500.00
	Mr. Supreeth K R	Labour	
Guide/s	Mr. Anil Kumar A	fravel	-
	MI, Allii Kullini A	Miscellaneous	500.00
Department	Mechanical Engineering	Report	500.00
	Mechanical Engineering	Total 5,	5,500.00
	Five Thousa	nd Five Hundred Rupees Only	

The following are the guidelines to carryout the project work;

- a) The project should be performed based on the objectives of the proposal sent by you.
- b) 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.
- c) 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.
- d) Please quote your project reference number printed above in all your future correspondences,
- e) Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.lisc.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

Hen 7 . 2029

s) Introduction / background

435\_BE\_1306

- (With specific reference to the project, work done earlier, etc) about 20 lines
- a) Objectives (about 10 lines) ?) 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) 8) 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@ksest.lise.ernet.in). In your e-mall, please also include project proposal reference number and title of the project.)
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Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.lisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

If Icem -(H. Hemanth Kumar)

Copy to:

0

- The Head of the Department of Mechanical Engineering K.S. Institute Of Technology, Bengaluru - 560 062.
- Mr. Anil Kumar A Department of Mechanical Engineering K.S. Institute Of Technology, Bengaluru - 560 062,
- 3) The Finance Officer, KSCST, Bengaluru



Indian Institute of Science Campus, Bengaluru - 560 012

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Emails office@keest.iisc.ornet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in office.kscst@ilsc.ac.in

Mr. H. Hemanth Kumar Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,

K.S. Institute of Technology,

Bengaluru - 560 062.

Dear Sir/Madam,

Sub: Sanction of Student Project - 43rd Series: Year 2019-2020

Your Project Proposal Reference No.: 43S\_BE\_3588

Ref: Your Project Proposal entitled " SMART WRIST BAND FOR ALZHEIMER'S AND SLEEP

APNEA VICTIMS

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Ms. R K Aishwarya	Budget	
	Ms. Pallavi. C	Particulars	Amount (Rs.)
	Ms. Rekha. K. S	Materials/Consumables	4,000.00
		Labour	in the state of th
Guide/s	Ms. Rekha. N	Travel	
		Miscellaneous	500.00
Department	Telecommunication Engineering	Report	500.00
		Total	4,000.00 - - 500.00
5	Five Thousand Rupees Only		

- a) The project should be performed based on the objectives of the proposal sent by you.
- b) 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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- d) Please quote your **project reference number printed above** in all your future correspondences.
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  - 1) Title of the project
  - 2) Name of the College & Department
  - 3) Name of the students & Guide(s)
  - 4) Keywords

- 6) Introduction / background(with specific reference to the project, work done earlier, etc) about 20 lines
- 6) Objectives (about 10 lines)
- Methodology (about 20 lines)
   (materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions (about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).
  (Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)
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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. Ween (H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of Telecommunication Engineering K.S. Institute Of Technology, Bengaluru 560 062.
- Ms. Rekha. N
   Department of Telecommunication Engineering
   K.S. Institute Of Technology,
   Bengaluru 560 062.
- 3) The Finance Officer, KSCST, Bengaluru