

3.1.1 Grants received from Government and non-governmental agencies for research projects endowments in the institution during the the academic year 2019-20.

SI. No.	Name of the research project/ endowment	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Duration of the project	Amount Sanctioned (INR in Lakhs)
1	Design and Fabrication of Sugar Cane Juice Extractor With Peeler (43S_BE_0496)-Stream A	Dr.Sudharshan Rao K	Mechanical Engineering	1 year	0.06
2	Design and Development of Modular Reversing System in Scooter for Physically Challenged	Mr.Ravinarayan R Rao	Mechanical Engineering	1 year	0.06
3	Effects of Nanomaterials on Performance and Emission Characteristics of Hybrid Biofuel of Jackfruit Seeds / Fish Bones	Mr.Kiran N Bhat	Mechanical Engineering	1 year	0.06
4	An innovative approach to assess safe bearing capacity of soil using prototype device and artificial neural network	Mr.Sunil Haldankar	Civil Engineering	1 year	0.055



Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574 115



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

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,
Shri Madhwa Vadiraja Institute of Technology and Management,
Udupi - 574 115.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020
Your Project Proposal Reference No. : **43S_BE_0496**

Ref : Your Project Proposal entitled "**DESIGN AND FABRICATION OF SUGARCANE JUICE EXTRACTOR WITH PEELER**"

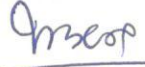
We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Mr. Deekshith	Budget	
		Particulars	Amount (Rs.)
	Mr. Abhishek		
	Mr. Nagesh Kamat	Materials/Consumables	4,000.00
	-	Labour	500.00
Guide/s	Dr. Sudarshan Rao K	Travel	500.00
	-	Miscellaneous	500.00
Department	Mechanical Engineering	Report	500.00
		Total	6,000.00
Six Thousand Rupees Only			

The following are the guidelines to carryout the project work :

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

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


Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574 115

HOD(Mech) / HOD-Physics

For needful action



19.5.2020

SMUTM/436/2019-2020 HOD

6) Introduction / background

43S_BE_0496

(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)

Dr. Sudarshan Rao K

Mechanical Engineering

Copy to:

1) The Head of the Department of
Mechanical Engineering
Shri Madhwa Vadiraja Institute Of Technology And Management,
Udupi - 574 115.

2) Dr. Sudarshan Rao K
Department of Mechanical Engineering
Shri Madhwa Vadiraja Institute Of Technology And Management,
Udupi - 574 115.

3) The Finance Officer, KSCST, Bengaluru

Encl: As Above



Principal

**SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT**
Vishwothama Nagar Udupi Dist,
BANTAKAL - 574 115



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office.kscst@iisc.ac.in

Mr. H. Hemanth Kumar
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,
Shri Madhwa Vadiraja Institute of Technology and Management,
Udupi - 574 115.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020
Your Project Proposal Reference No. : **43S_BE_2007**

Ref : Your Project Proposal entitled " **DESIGN AND DEVELOPMENT OF MODULAR REVERSING SYSTEM IN SCOOTER FOR PHYSICALLY CHALLENGED**

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. Dhanush	Budget	
		Particulars	Amount (Rs.)
	Mr. Abhishek		
	Mr. Ashwin M	Materials/Consumables	4,000.00
	Mr. Deepak Achar	Labour	500.00
Guide/s	Mr. Ravinarayan R Rao	Travel	500.00
	-	Miscellaneous	500.00
Department	Mechanical Engineering	Report	500.00
		Total	6,000.00
Six Thousand Rupees Only			

The following are the guidelines to carryout the project work :

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- 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

[Signature]
Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574 115

HOD (Mech) / HOD (Physics)

For needful action

[Signature]

SMU/TM/437/2019-20

- 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)

Copy to:

- 1) The Head of the Department of
Mechanical Engineering
Shri Madhwa Vadiraja Institute Of Technology And Management,
Udupi - 574 115.
- 2) Mr. Ravinarayan R Rao
Department of Mechanical Engineering
Shri Madhwa Vadiraja Institute Of Technology And Management,
Udupi - 574 115.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above



Principal
SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
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Karnataka State Council for Science and Technology

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Mr. H. Hemanth Kumar
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,
Shri Madhwa Vadiraja Institute of Technology and Management,
Udupi - 574 115.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020
Your Project Proposal Reference No. : 43S_BE_4208

Ref : Your Project Proposal entitled " **EFFECTS OF NANOMATERIALS ON PERFORMANCE AND EMISSION CHARACTERISTICS OF HYBRID BIOFUEL OF JACKFRUIT SEEDS / FISH BONES**

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. Rakshith N Mr. Shreyas Poojary Mr. Swasthik B Acharya Mr. Vignesh Nayak	Budget	
		Particulars	Amount (Rs.)
Guide/s	Mr. Kiran N Bhat	Materials/Consumables	4,000.00
	-	Labour	500.00
Department	Mechanical Engineering	Travel	500.00
		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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- 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

[Signature]
Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
KARNATAKA - 574 115

[Signature]
HOD (Mech) / HOD (Physics)

For needful action

[Signature]

SMVITM/438/2019-20 19.5.2020
INWARD

- 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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Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of
Mechanical Engineering
Shri Madhwa Vadiraja Institute Of Technology And Management,
Udupi - 574 115.
- 2) Mr. Kiran N Bhat
Department of Mechanical Engineering
Shri Madhwa Vadiraja Institute Of Technology And Management,
Udupi - 574 115.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above


Principal
SHRI MADHWA VADIRAJA
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Karnataka State Council for Science and Technology
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Mr. H. Hemanth Kumar
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,
Shri Madhwa Vadiraja Institute of Technology and Management,
Udupi - 574 115.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020
Your Project Proposal Reference No. : **43S_BE_0494**

Ref : Your Project Proposal entitled " **AN INNOVATIVE APPROACH TO ASSESS SAFE BEARING CAPACITY OF SOIL USING PROTOTYPE DEVICE AND ARTIFICIAL NEURAL NETWORK**

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. Prashanth Haritas S R Mr. Manjunath Neelappa Godi Mr. Praveen Kumar Mr. Premakumara G	Budget	
		Particulars	Amount (Rs.)
Guide/s	Mr. Sunil Haldankar	Materials/Consumables	4,000.00
	-	Labour	500.00
	-	Travel	500.00
Department	Civil Engineering	Miscellaneous	-
		Report	500.00
		Total	5,500.00
Five Thousand Five Hundred 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 :

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

Keywords

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwathama Nagar, Udupi Dist.
KARNATAKA 574 115

HOD (Civil Engg)/HOD - Physics

For needful action

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.

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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)

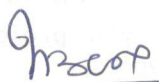
Copy to:

1) The Head of the Department of
Civil Engineering
Shri Madhwa Vadiraja Institute Of Technology And Management,
Udupi - 574 115.

2) Mr. Sunil Haldankar
Department of Civil Engineering
Shri Madhwa Vadiraja Institute Of Technology And Management,
Udupi - 574 115.

3) The Finance Officer, KSCST, Bengaluru

Encl: As Above


Principal
SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar Udupi Dist.
BANTAKAL - 574 115



FORM GFR 19-A

UTILIZATION CERTIFICATE

KSCST : STUDENT PROJECT PROGRAMME – 43rd SERIES

(To be printed on college letterhead)

Sl. No.	Letter No. and date	Amount (Rs.)	Certified that KSCST has provided partial financial support of Rs. 23,500 towards Student Project Programme – 43 rd Series A sum of Rs 23,500 only has been utilized for the purpose of Student Project Programme for which it was sanctioned.
1	Ref: 7.1.01/ SPP/ 953	23,500.00	

Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly / are being fulfilled and that I have exercised the following check to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of Checks exercised.

01. Cash Book
02. Vouchers

Sl No	Project Proposal Ref. No.	Title of the Project	Department/ Guide	Amount Sanctioned by KSCST	Amount Utilized by the College	Balance if any to be refunded to KSCST
1.	43S_BE_0494	An Innovative Approach to Asses Safe Bearing Capacity so soil using Prototype device and Artificial Neural Network	Mr. Sunil Haldankar	5,500	5,500	0.00
2.	43S_BE_4208	Effects of Nanomaterial on Performance and Emission Characteristics of Hybrid Biofuel of Jackfruit seeds / Fish Bones	Mr. Kiran N Bhat	6,000	6,000	0.00
3.	43S_BE_2007	Design and Development of Modular Reversing System In Scooter for Physically Challenged	Mr. RaviNarayana Rao	6,000	6,000	0.00
4.	43S_BE_0496	Design and Fabrication of Sugarcane Juice Extractor with Peeler	Dr. Sudarshan Rao	6,000	6,000	0.00

Signature of the Principal
with Seal

[Signature]
Principal
SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT

Date: 26/09/2020
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574 115

Place: Bantakal

Signature of the Finance / Accounts Officer

[Signature]
Finance Executive
SMVITM, Bantakal

UTILISATION CERTIFICATE

(To be printed on college letterhead)

KSCST : STUDENT PROJECT PROGRAMME – 43rd SERIES

Date: 26/09/2020

This is to certify that Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal having its office / institution at Vishwothama Nagar, Bantakal, Udupi 574115, Karnataka has been granted a sum of Rs. Sixty One Thousand has been credited vide NEFT dated 05.06.2020 and 23.09.2020 to Bank of Baroda Account No. 16580200000081 from Karnataka State Council for Science and Technology (KSCST) vide their Grant sanction letter Ref. No. 7.1.01/ SPP/ 953 dated 16 March 2020 towards 45th Series Student Project Programme (SPP) – 1) 43S_BE_0494 2) 43S_BE_4208 3) 43S_BE_2007 4) 43S_BE_0496

The college has incurred the expenditure of Rs. Twenty Three Thousand Five Hundred towards the said project/s.

All the expenditure voucher / invoices are duly accounted by the college and is authenticated by the Principal and Accounts Officer / Finance Officer of our institution.

The above information is extracted from the books of accounts and documents produced before us and information and explanations provided to us. We further certify that, we have verified the relevant books of accounts and documents / bills / vouchers and found that the said amount has been utilized for the purposes as laid down by the Karnataka State Council for Science and Technology (KSCST). This certificate is provided by us at the specific request of Karnataka State Council for Science and Technology (KSCST) to evidence the utilization of grants in terms of above referred grant sanction letter dated 16th March 2020.



Signature of the Principal
with Seal

Principal
SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574 115

Date: 26.09.2020

Place: Bantakal



Signature of the Finance / Accounts Officer
with seal

Finance Executive
SMVITM, Bantakal