



## ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

"ವಿ ಟಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ

### Visvesvaraya Technological University

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

"Jnana Sangama" Belagavi-590018, Karnataka, India

Prof. B.E. Rangaswamy Ph.D.

Phone(0831)2405468

Registrar

Fax: (0831)2405467

Ref. No. VTU/Aca/2022-23/06/73

Date: 3 APR 2023

To

The Principal

K.S. Institute of Technology , Bengaluru

Sir/Madam,

Sub: Sanction of Financial Assistance for 2021-2022 to the Innovative Project of UG Final Year Students of your Institution...reg.

Ref: 1) No. VTU/BGM/Aca/A-12/VTU-FA/2021-22/1366 dated 7-6-2022

2) Vice-Chancellor's Order dated 14-2-2023

With reference to the above, please find enclosed herewith **D.D. No. 473645180 dated 3/27/2023 (mm/dd/yyyy) for Rs.40000 /-** 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 distributed the amount to the concerned students and get an acknowledgement for the same.

Original copy of the acknowledgement should be submitted to the undersigned on or before April 10<sup>th</sup> 2023.

Encl: as above

To  
SHE/Dr. Sudarshan

*[Signature]*  
13/4/23

Yours faithfully,

*[Signature]* BE

Registrar





ಕೆ.ಎಸ್. ಇನ್ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್ ಟೆಕ್ನಾಲಜಿ  
**K.S. INSTITUTE OF TECHNOLOGY**

Approved by AICTE, New Delhi; Affiliated to VTU, Belagavi, Karnataka; Accredited by NAAC

# 14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560 109.

Tel : 080 28435722 / 24, Fax : 080 28435723

E-mail : principal.ksit@gmail.com / principal@ksit.edu.in | Website : www.ksit.edu.in

Date: 12<sup>th</sup> July 2022


Sub: Submission of BE student project proposals for financial assistance during 2021-22.

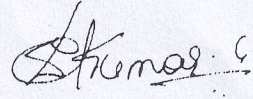
Dear Sir,

With reference to VTU circular dated 7<sup>th</sup> JUNE 2022 regarding financial assistance to BE student projects, the Institute has conducted Online Project selection Committee meeting on 1<sup>st</sup> July 2022 in presence of VTU Nominee Mr. Brijesh C. from Kalpataru Institute of Engg. Tiptur and selected two best projects from each department.

Following is the list of selected projects from all the departments.

Sl No	Project title	Guide	Department
1.	Hand Gesture Recognition for Differently abled people	Dr. Deepa S R	Computer Science Engg.
2.	People following trolley	Mr. Sanjoy Das	
3.	Sign language to text & vice-versa using embedded system	Mr. S. Christo Jain Assistant Professor	Electronics & Communication Engg.
4.	Smart wheel chair for aged people with e-health monitoring system	Dr. P.N Sudha Professor	
5.	Design and fabrication of low cost mechanical ventilator	Dr. Nirmala L.	Mechanical Engg.
6.	Experimental and numerical investigation on acoustic behaviour of cylindrical shell structures	Mr. Anil Kumar A	
7.	Attendance monitoring system using face recognition with temperature sensor	Dr. Dinesh Kumar D S	Telecommunication Engg.
8.	Wild life animal tracking and monitoring system	Dr. Chanda V Reddy	

  
Dr. B. SUDARSHAN  
Project Committee Coordinator

  
Principal

Enclosures:

1. Proceedings of Project Selection Committee meeting (Online-DVD).
2. Department proceedings
3. Annexures of the selected projects
4. NDI from VTU Nominee
5. VTU affiliation letter. 2021-22





# 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

**Dr. U T Vijay**

Executive Secretary

24th April, 2023

Ref: 7.1.01/SPP/33

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

Dear Sir/Madam,

Sub : Sanction of Student Project - 46th Series: Year 2022-2023

**Project Proposal Reference No. : 46S\_BE\_3783**

Ref : Project Proposal entitled **DESIGN AND FABRICATION OF SMART IRRIGATION SYSTEM USING IOT**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 46th Series". The project details are as below:

<b>Student(s)</b>	Mr. JASHWANTH S	<b>Department</b>	MECHANICAL ENGINEERING
	Mr. SHREYAS B		
	Mr. SUJAY ADITHYA		
	Mr. THEJAS V R		
<b>Guide(s)</b>	Dr. GIRISH T R	<b>Sanctioned Amount (in Rs.)</b>	6,000.00

## Instructions:

- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/nWTaJjvrwzp3Wmvt6>. The synopsis should include following:
  - Project Reference Number
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords
  - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
  - Objectives (about 10 lines)

**46S\_BE\_3783**

- 8) Methodology ( about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
- 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
- 10) Scope for future work (about 20 lines).
- e) In case of incompeted projects, the sanctioned amount shall be returned to KSCST.
- f) The sanctioned amount will be transferred by NEFT to the bank account provided by the College/Institute.
- g) The sponsored projects evaluation will be held in the Nodal Centre/Online Mode and the details of the same will be intimated shortly by email / Website announcement.
- h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and student(s) shall be uploaded in the following Google Forms Link <https://forms.gle/YWz56TrGg7fnSQgc7>. The report should be prepared in the format prescribed by the university.

Please visit our website for further announcements / information and for any clarifications please email to [spp@kscst.org.in](mailto:spp@kscst.org.in)

Thanking you and with best regards,

Yours sincerely,



(U T Vijay)

Copy to:

- 1) The HoD  
MECHANICAL ENGINEERING  
K.S. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Dr. GIRISH T R  
MECHANICAL ENGINEERING  
K.S. INSTITUTE OF TECHNOLOGY, BENGALURU
- 3) THE ACCOUNTS OFFICER  
KSCST, BENGALURU



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Executive Secretary

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

Dear Sir/Madam,

Sub : Sanction of Student Project - 46th Series: Year 2022-2023

**Project Proposal Reference No. : 46S\_BE\_3826**

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

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 46th Series". The project details are as below:

<b>Student(s)</b>	Mr. SANJAY V	<b>Department</b>	MECHANICAL ENGINEERING
	Mr. ARUN KUMAR M		
	Mr. VENKATARAMANA G BHAT		
	Ms. CHARITHA S		
<b>Guide(s)</b>	Mr. RANAGANATH N	<b>Sanctioned Amount (in Rs.)</b>	6,000.00

## Instructions:

- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/nWTaJjvrwzp3Wmvt6>. The synopsis should include following:
  - Project Reference Number
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords
  - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
  - Objectives (about 10 lines)

- 8) Methodology ( about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
- 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
- 10) Scope for future work (about 20 lines).
- e) In case of incompeted projects, the sanctioned amount shall be returned to KSCST.
- f) The sanctioned amount will be transferred by NEFT to the bank account provided by the College/Institute.
- g) The sponsored projects evaluation will be held in the Nodal Centre/Online Mode and the details of the same will be intimated shortly by email / Website announcement.
- h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and student(s) shall be uploaded in the following Google Forms Link <https://forms.gle/YWz56TrGg7fnSQgc7>. The report should be prepared in the format prescribed by the university.

Please visit our website for further announcements / information and for any clarifications please email to [spp@kscst.org.in](mailto:spp@kscst.org.in)

Thanking you and with best regards,

Yours sincerely,



(U T Vijay)

Copy to:

- 1) The HoD  
MECHANICAL ENGINEERING  
K.S. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Mr. RANAGANATH N  
MECHANICAL ENGINEERING  
K.S. INSTITUTE OF TECHNOLOGY, BENGALURU
- 3) THE ACCOUNTS OFFICER  
KSCST, BENGALURU



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

Dear Sir/Madam,

Sub : Sanction of Student Project - 46th Series: Year 2022-2023

**Project Proposal Reference No. : 46S\_BE\_4541**

Ref : Project Proposal entitled **DESIGN AND FABRICATION OF SOLAR DRYER FOR ONION**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 46th Series". The project details are as below:

<b>Student(s)</b>	Mr. JITHAN A	<b>Department</b>	MECHANICAL ENGINEERING
	Mr. HEMANTH K		
	Mr. MADHU V		
	Mr. NITHESH S R		
<b>Guide(s)</b>	Dr. NIRMALA L	<b>Sanctioned Amount (in Rs.)</b>	6,000.00

## Instructions:

- The project should be performed based on the objectives of the proposal submitted.
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- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/nWTaJjvrwzp3Wmvt6>. The synopsis should include following:
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  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords
  - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
  - Objectives (about 10 lines)

**46S\_BE\_4541**

- 8) Methodology ( about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
- 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
- 10) Scope for future work (about 20 lines).
- e) In case of incompeted projects, the sanctioned amount shall be returned to KSCST.
- f) The sanctioned amount will be transferred by NEFT to the bank account provided by the College/Institute.
- g) The sponsored projects evaluation will be held in the Nodal Centre/Online Mode and the details of the same will be intimated shortly by email / Website announcement.
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Thanking you and with best regards,

Yours sincerely,



(U T Vijay)

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K.S. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Dr. NIRMALA L  
MECHANICAL ENGINEERING  
K.S. INSTITUTE OF TECHNOLOGY, BENGALURU
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To,  
The Principal,  
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Bengaluru – 560 062.

Dear Sir/Madam,

Sub : Sanction of Student Project - 46th Series: Year 2022-2023

**Project Proposal Reference No. : 46S\_BE\_4918**

Ref : Project Proposal entitled **GENERATION OF ELECTRICAL ENERGY USING NEODYMIM  
MAGNETS IN DOUBLE CYLINDER ACTUATION**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 46th Series". The project details are as below:

<b>Student(s)</b>	Mr. BHAVAN KASHYAP K	<b>Department</b>	MECHANICAL ENGINEERING
	Mr. ADVAIT SIDDANTH K V		
	Mr. TILAK P		
	Mr. VAISHNAV H		
<b>Guide(s)</b>	Prof. ANIL KUMAR A	<b>Sanctioned Amount (in Rs.)</b>	6,000.00

## Instructions:

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  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords
  - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
  - Objectives (about 10 lines)

**46S\_BE\_4918**

- 8) Methodology ( about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
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- 10) Scope for future work (about 20 lines).
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Thanking you and with best regards,

Yours sincerely,



(U T Vijay)

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K.S. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Prof. ANIL KUMAR A  
MECHANICAL ENGINEERING  
K.S. INSTITUTE OF TECHNOLOGY, BENGALURU
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The Principal,  
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Bengaluru – 560 062.

Dear Sir/Madam,

Sub : Sanction of Student Project - 46th Series: Year 2022-2023

**Project Proposal Reference No. : 46S\_BE\_5036**

Ref : Project Proposal entitled **ELECTROPLATING OF DISC ROTOR WITH COPPER**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 46th Series". The project details are as below:

<b>Student(s)</b>	Mr. NIHAL M L	<b>Department</b>	MECHANICAL ENGINEERING
	Mr. RAMACHANDRA S		
	Mr. ABHISHEK MANIKUMAR		
	Ms. ROJA G NAIK		
<b>Guide(s)</b>	Prof. NAGABHUSHANA M	<b>Sanctioned Amount (in Rs.)</b>	6,000.00

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  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords
  - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
  - Objectives (about 10 lines)

**46S\_BE\_5036**

- 8) Methodology ( about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
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- 10) Scope for future work (about 20 lines).
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(U T Vijay)

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K.S. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Prof. NAGABHUSHANA M  
MECHANICAL ENGINEERING  
K.S. INSTITUTE OF TECHNOLOGY, BENGALURU
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KSCST, BENGALURU