# 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)

# 2022-2023

#### SRI KRISHNADEVARAYA EDUCATIONAL TRUST'S

# SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Krishnadevarayanagar, Hunasamaranahalli, Off. International Airport Road, Bengaluru - 562 157.

(Affiliated to Visvesvaraya Technological University, Recognised by AICTE & Accredited by National Board of Accreditation, New Delhi. An ISO 9001: 2008 Certified Institution.)





Date: 30-01-2023

# **RECEIPT**

Received with thanks from M/s Srikem laboratories Pvt. Ltd., Taloja, Navi Mumbai a sum of Rs. 3,60,000/- (Rupees three lakhs sixty thousand only) paid by RTGS on 27-12-2022, bearing transaction id- HDFCR52022122770880497 towards for the project entitled "Microbial Biotransformation of UDCA (Ursodeoxycholic acid) from CDCA (Chenodeoxycholic acid)" being undertaken at the Department of Biotechnology, Sir M Visvesvaraya Institute of Technology, Bengaluru.

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY Krishnadevarayanagar, Hunasamaranahalli, International Airport Road, BANGALORE, 562 157

#### SRI KRISHNADEVARAYA EDUCATIONAL TRUST'S

# SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY



Krishnadevarayanagar, Hunasamaranahalli, Off. International Airport Road, Bengaluru - 562157 (Affiliated to Visvesvaraya Technological University, Recognised by AICTE & Accredited by National Board of Accreditation, New Delhi. An ISO 9001: 2008 Certified Institution.) Ph.: 080-2846 7248, 2847 7024, /25/26/ Fax: 080-2846 7081

E-mail: sirmvitbgl@gmail.com Web: www.sirmvit.edu



# DEPARTMENT OF BIOTECHNOLOGY

(Recognised as R & D Centre by V.T.U.)

Ref.No. SMVIT/BT/ 478/2022-23

Date: 23-12-2022

To Mr. Srinivasan S Chief Managing Director Srikem Laboratories Pvt, Ltd., Plot No. 17/24, MIDC, Taloja, Navi Mumbai, Maharashtra 410208

Dear Sir

Subject: Invoice for project work being undertaken at Sir M Visvesvaraya Institute of Technology-Reg.

the proforma invoice for the Project entitled As discussed, please find below Biotransformation of UDCA (Ursodeoxycholic acid) from (Chenodeoxycholic acid)" being undertaken at Department Biotechnology, of Sir M Visyesvarava Institute of Technology, for the period December 2022 to July 2023.

100	Rupees Four Lakhs Only	11.00
	Total	4,00,000.00
3	TA + DA + Overheads	20,000.00
2	Purchase of Consumables (Substrate, Nutrient media, Micropipette Chemicals, Biological Specimens, Enzymes etc.) under Recurring head	,2,20,000.00
1	Purchase of Equipment, accessories, etc. under Non-Recurring head	1,60,000.00
S. No.	Activity	Amount in INR

#### Terms and Conditions:

- 1) Taxes like TDS/GST as may be applicable (TDS 10% or GST 18%) to be included appropriately
- 2) 80% of the proposed project cost (Rs. 5,00,000 + Taxes) to be released at the earliest.

Kindly make the Payment in favor of Principal, Sir MVIT.

The details of the A/c are as below:

Name of Account holder: PRINCIPAL SIRMVIT

A/c No: 183110000011 IFSC: KKBK0008084

MICR CODE OF BANK: 560485077

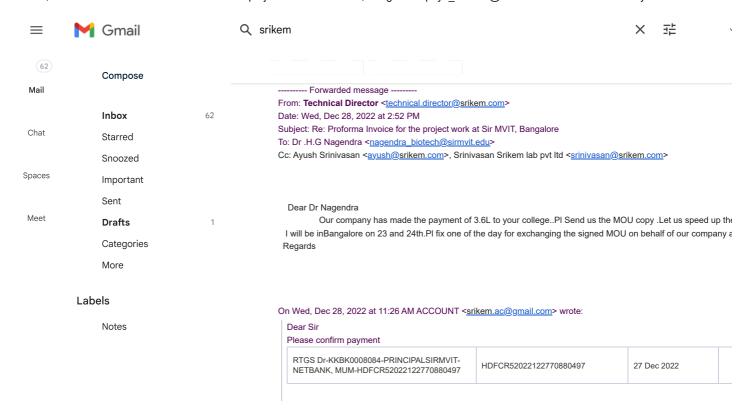
Thanking You

Dr H.G. Nagendra

Professor & Head

Department of Biotechnology Sir M. Visvesvurava Institute of Technology

BANGALORE - 562157



KSCST

(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

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Dr. U T Vijay

**Executive Secretary** 

24th April, 2023

Ref: 7.1.01/SPP/33

The Principal, Sir M. Visvesvaraya Institute of Technology, Krishnadevarayanagar, Hunasamaranahalli, Bengaluru - 562 157.

Dear Sir/Madam,

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

Project Proposal Reference No.: 46S\_BE\_5284

Ref: Project Proposal entitled A COMPREHENSIVE CLINICAL NUTRITION TOOL FOR MANAGING

LONG-TERM POST COVID-19 COMPLICATIONS.

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:

Student(s)	Ms. MAHALAKSHMI N Ms. SMRITI HUNSIGI	Department	BIOTECHNOLOGY
Guide(s)	Dr. JAGADEESH KUMAR D	Sanctioned Amount	6,000.00
	Dr. PRIYA NARAYAN	(in Rs.)	6,666.66

- a) The project should be performed based on the objectives of the proposal submitted.
- b) 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.
- c) Please quote your project reference number printed above in all your future correspondences.
- d) 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:
  - 1) Project Reference Number
  - 2) Title of the project
  - 3) Name of the College & Department
  - 4) Name of the students & Guide(s)
  - 5) Keywords
  - 6) Introduction / background (with specific reference to the project, work done earlier, etc) about 20 lines
  - 7) 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 studetn(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.

Thanking you and with best regards,

Yours sincerely,

(U T Vijay)

# Copy to:

1) The HoD
BIOTECHNOLOGY
Sir M.VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU

Dr. JAGADEESH KUMAR D Dr. PRIYA NARAYAN
 BIOTECHNOLOGY
 Sir M.VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU

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# Dr. U T Vijay

**Executive Secretary** 

24th April, 2023

Ref: 7.1.01/SPP/33

The Principal, Sir M. Visvesvaraya Institute of Technology, Krishnadevarayanagar, Hunasamaranahalli, Bengaluru - 562 157.

Dear Sir/Madam,

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

Project Proposal Reference No.: 46S\_BE\_1517

Ref: Project Proposal entitled FLY ASH BASED PAPERCRETE BLOCKS - AN ECONOMICAL AND ECO-

FRIENDLY LIGHT WEIGHT BUILDING SOLUTION.

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:

Student(s)	Mr. DRUVA KUMAR B S Ms. CHITHRA YADAV N Ms. TANUJA S	Department	CIVIL ENGINEERING
Guide(s)	Mrs. ANITHA J	Sanctioned Amount	5,000.00
Guide(3)	Mrs. TAMIL SELVI N	(in Rs.)	3,000.00

- a) The project should be performed based on the objectives of the proposal submitted.
- b) 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.
- c) Please quote your project reference number printed above in all your future correspondences.
- d) 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:
  - 1) Project Reference Number
  - 2) Title of the project
  - 3) Name of the College & Department
  - 4) Name of the students & Guide(s)
  - 5) Keywords
  - 6) Introduction / background (with specific reference to the project, work done earlier, etc) about 20 lines
  - 7) 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).
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- h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and studetn(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.

Thanking you and with best regards,

Yours sincerely,

(U T Vijay)

# Copy to:

1) The HoD CIVIL ENGINEERING

Sir M.VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU

2) Mrs. ANITHA J Mrs. TAMIL SELVI N
CIVIL ENGINEERING
Sir M.VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU

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# Dr. U T Vijay

**Executive Secretary** 

24th April, 2023

Ref: 7.1.01/SPP/33

The Principal, Sir M. Visvesvaraya Institute of Technology, Krishnadevarayanagar, Hunasamaranahalli, Bengaluru - 562 157.

Dear Sir/Madam,

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

Project Proposal Reference No.: 46S\_BE\_4415

Ref: Project Proposal entitled SMART AI BASED TRAFFIC CONTROL SYSTEM

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:

Student(s)	Ms. INDU J A Mr. B AMAAN AHMED Mr. PRAJWAL P	Department	COMPUTER SCIENCE AND ENGINEERING
	Mr. SERENE JOSHI	Sanctioned	
Guide(s)	Dr. SUMA SWAMY	Amount (in Rs.)	4,000.00

- a) The project should be performed based on the objectives of the proposal submitted.
- b) 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.
- c) Please quote your project reference number printed above in all your future correspondences.
- d) 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:
  - 1) Project Reference Number
  - 2) Title of the project
  - 3) Name of the College & Department
  - 4) Name of the students & Guide(s)
  - 5) Keywords
  - 6) Introduction / background (with specific reference to the project, work done earlier, etc) about 20 lines
  - 7) Objectives (about 10 lines)

- 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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- h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and studetn(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.

Thanking you and with best regards,

Yours sincerely,

(U T Vijay)

# Copy to:

1) The HoD
COMPUTER SCIENCE AND ENGINEERING
Sir M.VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU

- 2) Dr. SUMA SWAMY COMPUTER SCIENCE AND ENGINEERING Sir M.VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU
- 3) THE ACCOUNTS OFFICER KSCST, BENGALURU

KSCST

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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

The Principal, Sir M. Visvesvaraya Institute of Technology, Krishnadevarayanagar, Hunasamaranahalli, Bengaluru - 562 157.

Dear Sir/Madam,

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

Project Proposal Reference No.: 46S\_BE\_4465

Ref: Project Proposal entitled FOREST FIRE DETECTION USING MACHINE LEARNING

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:

Student(s)	Ms. M SHREYA Ms. TANYA P. BOBICHAN	Department	COMPUTER SCIENCE AND ENGINEERING
	Ms. SUDHIKSHA R.		
	Ms. RISHITA GOYAL	Sanctioned	
Guide(s)	Dr. SRINIVASA B.C	Amount (in Rs.)	3,500.00

- a) The project should be performed based on the objectives of the proposal submitted.
- b) 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.
- c) Please quote your project reference number printed above in all your future correspondences.
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  - 3) Name of the College & Department
  - 4) Name of the students & Guide(s)
  - 5) Keywords
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- 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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- h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and studetn(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.

Thanking you and with best regards,

Yours sincerely,

(U T Vijay)

# Copy to:

1) The HoD
COMPUTER SCIENCE AND ENGINEERING
Sir M.VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU

2) Dr. SRINIVASA B.C COMPUTER SCIENCE AND ENGINEERING Sir M.VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU



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Dr. U T Vijay

**Executive Secretary** 

24th April, 2023

Ref: 7.1.01/SPP/33

The Principal, Sir M. Visvesvaraya Institute of Technology, Krishnadevarayanagar, Hunasamaranahalli, Bengaluru - 562 157.

Dear Sir/Madam,

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

Project Proposal Reference No.: 46S\_BE\_4429

Ref: Project Proposal entitled IMPLEMENTATION OF GREEN INFRASTRUCTURE USING MACHINE

LEARNING TO MITIGATE CLIMATE CHANGE IMPACTS

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:

Student(s)	Mr. NISHANTH R	Department	COMPUTER SCIENCE AND ENGINEERING
	Mr. SUHAS M		
	Mr. VISHAL N M		
	Mr. VINAYAKA B V	Sanctioned	
Guide(s)	Mrs. SAVITHA P	Amount	4,000.00
		(in Rs.)	

- a) The project should be performed based on the objectives of the proposal submitted.
- b) Any changes in the project title, objectives or students team is liable for rejection of the project and vour institution shall return the sanctioned funds to KSCST.
- c) Please quote your project reference number printed above in all your future correspondences.
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Thanking you and with best regards,

Yours sincerely,

(U T Vijay)

# Copy to:

The HoD
 COMPUTER SCIENCE AND ENGINEERING
 Sir M.VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU

- Mrs. SAVITHA P
   COMPUTER SCIENCE AND ENGINEERING
   Sir M.VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU
- 3) THE ACCOUNTS OFFICER KSCST, BENGALURU



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**Dr. U T Vijay**Executive Secretary

24th April, 2023

Ref: 7.1.01/SPP/33

The Principal, Sir M. Visvesvaraya Institute of Technology, Krishnadevarayanagar, Hunasamaranahalli, Bengaluru - 562 157.

Dear Sir/Madam,

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

Project Proposal Reference No.: 46S\_BE\_4366

Ref: Project Proposal entitled WASTE MANAGEMENT AND ENERGY CONVERSION

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:

Student(s)	Ms. NIKITHA S REDDY	Department	ELECTRONICS AND COMMUNICATION ENGINEERING
	Ms. PUNYA P		
	Ms. PUSHPANJALI A V		COMMONICATION ENGINEERING
	Ms. VIDYA S	Sanctioned	
Guide(s)	Dr. V G SUPRIYA	Amount	6,000.00
		(in Rs.)	

#### **Comments / Suggestions of the Experts**

Address Safety issues. Estimate the volume of space required for Gas generating plant and combustion chamber. Is the space requirement feasible for Urban setings?

- a) The project should be performed based on the objectives of the proposal submitted.
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- c) Please quote your project reference number printed above in all your future correspondences.
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  - 2) Title of the project
  - 3) Name of the College & Department

- 4) Name of the students & Guide(s)
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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)

#### Copy to:

AL-C

1) The HoD

ELECTRONICS AND COMMUNICATION ENGINEERING
Sir M.VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU

2) Dr. V G SUPRIYA

ELECTRONICS AND COMMUNICATION ENGINEERING
Sir M.VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU

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# Dr. U T Vijay

**Executive Secretary** 

24th April, 2023

Ref: 7.1.01/SPP/33

The Principal, Sir M. Visvesvaraya Institute of Technology, Krishnadevarayanagar, Hunasamaranahalli, Bengaluru - 562 157.

Dear Sir/Madam,

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

Project Proposal Reference No.: 46S\_BE\_3771

Ref: Project Proposal entitled AUTOMATED DRIVING SYSTEM

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:

Student(s)	Mr. KARUN SHARMA	Department	ELECTRONICS AND
	Mr. MAHANTH B. SOODA		TELECOMMUNICATION
	Mr. MOHAMMED HASSAAN MANNA		ENGINEERING
	Mr. TARUN. A	Sanctioned	
Guide(s)	Mrs. E KAVITHA	Amount	5,000.00
		(in Rs.)	

- a) The project should be performed based on the objectives of the proposal submitted.
- b) 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.
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Thanking you and with best regards,

Yours sincerely,

(U T Vijay)

# Copy to:

The HoD
 ELECTRONICS AND TELECOMMUNICATION ENGINEERING
 Sir M.VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU

- 2) Mrs. E KAVITHA
  ELECTRONICS AND TELECOMMUNICATION ENGINEERING
  Sir M.VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU
- 3) THE ACCOUNTS OFFICER KSCST, BENGALURU

TO THE SECOND SE

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

Indian Institute of Science Campus, Bengaluru – 560 012

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# Dr. U T Vijay

**Executive Secretary** 

24th April, 2023

Ref: 7.1.01/SPP/33

The Principal, Sir M. Visvesvaraya Institute of Technology, Krishnadevarayanagar, Hunasamaranahalli, Bengaluru - 562 157.

Dear Sir/Madam,

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

Project Proposal Reference No.: 46S\_BE\_2478

Ref: Project Proposal entitled MULTI-SOURCE RENEWABLE ENERGY HARVESTING FROM HIGHWAY

**TRAFFIC** 

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:

Student(s)	Mr. DHANUSH N REDDY Mr. R HRITHIK REDDY	Department	MECHANICAL ENGINEERING
Guide(s)	Dr. V SHANTHA	Sanctioned Amount (in Rs.)	6,500.00

- a) The project should be performed based on the objectives of the proposal submitted.
- b) Any changes in the project title, objectives or students team is liable for rejection of the project and vour institution shall return the sanctioned funds to KSCST.
- c) Please quote your project reference number printed above in all your future correspondences.
- d) 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:
  - 1) Project Reference Number
  - 2) Title of the project
  - 3) Name of the College & Department
  - 4) Name of the students & Guide(s)
  - 5) Keywords
  - 6) Introduction / background (with specific reference to the project, work done earlier, etc) about 20 lines
  - 7) 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 studetn(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.

Thanking you and with best regards,

Yours sincerely,

(U T Vijay)

# Copy to:

The HoD
 MECHANICAL ENGINEERING
 Sir M.VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU

2) Dr. V SHANTHA MECHANICAL ENGINEERING Sir M.VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU