

**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)**

**2020-2021**

269-270

**Admin Order**

**No. BT/PR41763/NER/95/1858/2021**  
GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY  
(NER-BPMC)

Block 2, 6-8th Floors  
CGO Complex, Lodhi Road,  
New Delhi- 110 003  
Dated: 31/03/2021

**ORDER**

Sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rules, 1978, for the implementation of the project entitled "**Package and practices to rear edible grade Eri silkworm and formulation of nutraceutical recipe comprising of the same**" for a period of 3 Year 0 Month at a total cost of Rs. **11433400/-** (Rupees One Crores Fourteen Lakhs Thirty Three Thousand Four Hundred Only) on the terms and conditions detailed here under:-

**2 The Project :**

**2.1 Title : Package and practices to rear edible grade Eri silkworm and formulation of nutraceutical recipe comprising of the same**

**2.2 Details of the Investigators:**

**Project Coordinator**

**Dr. Dhattatreya Hosagrahar**

Chief executive

Institute Of Integrated Resource Management  
Sonitpur- 784501 Assam

**Principal Investigators:**

**Dr. Dhattatreya Hosagrahar**

Chief executive

Institute Of Integrated Resource Management  
Sonitpur- 784501 Assam

**Dr. H G Nagendra**

Head and Professor

Department of Biotechnology

Sir M. Visvesvaraya Institute of Technology  
Bangalore - 562157, Karnataka

**CO-PI:**

**Dr. Mousumi Mondal**

Board of Director

Department of Sericulture

Institute of Integrated Resource  
Management, Bangalore - 560065,  
Karnataka

**Mr. B V Srinivas**

Head R and D  
Department of Biotechnology  
Sir M. Visvesvaraya Institute of  
Technology  
Bangalore - 561203, Karnataka

**Dr. Nirmal Kumar**

Advisor for North East region in the state of Assam,  
Tripura, Bodoland  
Department of Silkboard  
Central Silk Board  
Central Sericultural Research & Training Institute  
Premises, Mysuru - 570008, Karnataka

**Dr. Kanika Trivedy**

ExDirector  
Department of SilkBoard  
Central Sericultural Research & Training Institute  
Premises, Mysuru - 570008, Karnataka

**2.3 Objectives:****Overall Objectives:**

1. Identification of potential farmers/ entrepreneurs and training them towards rearing of edible grade Eri silkworms
2. Training the potential farmers towards formulations of novel foods as per the food safety guidelines
3. Linkages with potential buyers as a buy-back arrangement for the products developed

**Institute wise Objectives:****INSTITUTE OF INTEGRATED RESOURCE MANAGEMENT**

1. Identification of potential farmers/ entrepreneurs and training them towards rearing of edible grade Eri silkworms
2. Linkages with potential buyers as a buy-back arrangement for the products developed
3. Training the potential farmers towards formulations of novel foods as per the food safety guidelines

**Sir M. Visvesvaraya Institute of Technology**

1. Training the potential farmers towards formulations of novel foods as per the food safety guidelines

**2.4 Time Schedule:**

The duration of the project is 3 Year 0 Month from the date of this sanction order.

**2.5 Project Cost:**

The total cost of the project is Rs. **11433400/-**(Rupees One Crores Fourteen Lakhs Thirty Three Thousand Four Hundred Only) as per details given below:

Institute	Year I	Year II	Year III	Total Cost(Rs.)
1. INSTITUTE OF INTEGRATED RESOURCE MANAGEMENT	3410000	2179200	1274200	<b>6863400</b>
2. Sir M. Visvesvaraya Institute of Technology	1590000	2390000	590000	<b>4570000</b>
<b>Total (Rs.)</b>	<b>5000000</b>	<b>4569200</b>	<b>1864200</b>	<b>11433400</b>

Institute wise details are:

Budget Head	Year I	Year II	Year III	Total(Rs.)
<b>1. INSTITUTE OF INTEGRATED RESOURCE MANAGEMENT</b>				
Equipment	1120000.00	480000.00	225000.00	<b>1825000.00</b>
Manpower	360000.00	619200.00	619200.00	<b>1598400.00</b>
Overhead	80000.00	80000.00	80000.00	<b>240000.00</b>
Travel	200000.00	150000.00	150000.00	<b>500000.00</b>
Consumables	400000.00	200000.00	200000.00	<b>800000.00</b>
Contingency	150000.00	250000.00		<b>400000.00</b>
Others	1100000.00	400000.00		<b>1500000.00</b>
<b>Total (Rs.)</b>	<b>3410000.00</b>	<b>2179200.00</b>	<b>1274200.00</b>	<b>6863400.00</b>
<b>2. Sir M. Visvesvaraya Institute of Technology</b>				
Equipment	900000.00	1800000.00		<b>2700000.00</b>
Manpower	360000.00	360000.00	360000.00	<b>1080000.00</b>
Overhead	30000.00	30000.00	30000.00	<b>90000.00</b>
Travel	50000.00	50000.00	50000.00	<b>150000.00</b>
Consumables	200000.00	100000.00	100000.00	<b>400000.00</b>
Contingency	50000.00	50000.00	50000.00	<b>150000.00</b>
<b>Total (Rs.)</b>	<b>1590000.00</b>	<b>2390000.00</b>	<b>590000.00</b>	<b>4570000.00</b>

### 2.6 Equipment

The details of the equipment sanctioned for the implementation of the project at **Annexure-I**

### 2.7 Manpower:

The details of the manpower sanctioned for the implementation of the project at **Annexure-II**

### 3. Head of Account:

The **Non-Recurring** expenditure involved is debitable to:

*Vandana*

डॉ. वैशाली पंजाबी / Dr. VAISHALI PANJABI  
वैज्ञानिक 'ई' / Scientist 'E'  
बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology  
विज्ञान और प्रौद्योगिकी मंत्रालय / M/o Science & Tech.  
भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi

<b>Demand No. 88</b>	<b>Department of Biotechnology</b>
<b>3425</b>	Other Scientific Research 2020-2021
<b>3425.60</b>	Others (Sub Major Head)
<b>3425.60.200</b>	Assistance to other Scientific Bodies (Minor Head)
<b>3425.60.200.29</b>	Biotechnology Research and Development
<b>3425.60.200.29.17</b>	Assistance for Research and Development
<b>3425.60.200.29.17.35</b>	Grants for creation of capital assets

The **Recurring** expenditure involved is debitable to:

<b>Demand No. 88</b>	<b>Department of Biotechnology</b>
<b>3425</b>	Other Scientific Research 2020-2021
<b>3425.60</b>	Others (Sub Major Head)
<b>3425.60.200</b>	Assistance to other Scientific Bodies (Minor Head)
<b>3425.60.200.29</b>	Biotechnology Research and Development
<b>3425.60.200.29.17</b>	Assistance for Research and Development
<b>3425.60.200.29.17.31</b>	Grants -in-Aid General

#### 4. Terms & Conditions:

Additional Terms and Conditions

- Both NER and Rest of India (RoI), Institutions scientists should work together for the objectives stated in the sanction of the project and any deviation from this would attract closure of the project at any point of time.
- In the project review meetings, both the PIs from NER and RoI Institutions should participate and make presentation.
- The outcomes of the project such as research papers, patents, copy rights etc. should be made jointly.
- The NER Scientists are to be trained at the collaborating institute appropriately to empower the NER Scientists.
- The project personal such as Research Associate, JRF or SRF, Research Assistant are also to be trained at least once in the collaborating national institute.
- The collaborating institute scientist should visit NER institutions more frequently to guide NER scientists in design and conduct of experiments.
- The Non-Recurring items must be procured and installed within 18-months of the sanction of the project, failing which the PIs have to return the remaining/unutilized Non Recurring grant with 10% of Interest.
- In case the amount of grant-in-aid is refunded, the whole or a part amount of the grant, with an interest at 10% per annum there on shall be recovered.

**4.1** The other terms and conditions governing this sanction are attached at Annexure- III.

**4.2** A Memorandum of Agreement (MoA) will be signed between the Department of Biotechnology and the grantee institution on Non-Judicial stamp paper Rs. 100/- in the enclosed format and the second release/installment will be made only after signing of MoA between the grantee institutions and DBT. In case of NGO's and Private Institution's, execution of MOA is mandatory before first release. A format of the MoA is enclosed in Annexure-IV

**4.3** The Institute/Agency will keep the whole of the grant in a Bank Account earning interest, and the interest so earned should be reported to DBT in the Utilization Certificate and Statement of Expenditure. If the institute fails to give the interest earned details, Overhead grant may be withheld in subsequent releases. **As per provision contained in the Rule 230 (8) of GFR 2017,**

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*Vaishali*

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डॉ. वैशाली पंजाबी / Dr. VAISHALI PANJABI  
 वैज्ञानिक 'ई' / Scientist 'E'  
 बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology  
 विज्ञान और प्रौद्योगिकी मंत्रालय / M/o Science & Tech.  
 भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi

**all interest/other earning occurred against grant-in-aid shall be mandatorily remitted to the Consolidated Fund of India (CFI) through the online portal www.bharatkosh.gov.in only.**

5. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
6. The Director, Sir M. Visvesvaraya Institute of Technology, Bangalore, Karnataka and The Secretary, Institute Of Integrated Resource Management, Sonitpur, Assam would be responsible for submission of Statements of Expenditure (SoE), utilization certificates (UC), Assets Certificates, Manpower staffing & expenditure details in prescribed DBT formats to DBT in respect of grants released in this project from time to time.
7. PI's of DBT sponsored projects can consider appointment of JRF from Category-II merit list of DBT-BET exam so that candidates can be paid fellowships at par with NET/GATE/BET qualified candidates as per DST OM No. A.SR/S9/Z-05/2019 dated 30 Jan 2019. However, there is no compulsion on PI's to select candidates for JRF in their projects from Category-II of DBT-BET.
8. As per Rule 236 (1) of GFR 2017, the accounts of all Grantee Institutions or Organizations shall be open to inspection by the sanctioning authority and audit, both by the Comptroller and Auditor General of India under the provision of CAG (DPC) Act 1971 and internal audit by the Principal Accounts Office of the Ministry or Department, whenever the Institution or Organizations is called upon to do so.
9. If the Research Project involves biological resources, the obligations under the Biological Diversity Act 2002 as applicable shall be complied with by the Project Investigator, the details of such obligations can be accessed at www.nbaindia.org
10. If this project works requires any Statutory Clearance (such as Ethical Committee Clearance, Informed Consent, Animal Ethics Committee Clearance, Institutional Bio-safety Committee Clearance, National Biodiversity Authority approval etc.), Project investigator(s) and Host Institution(s) shall compulsory comply the same before undertaking such activities.
11. This issues, under the power delegated to this Department and with the concurrence of IFD vide their SAN No. **102/IFD/SAN/3261/2020-2021** dated **March 31, 2021**.
12. This sanction order has been noted at serial no. 269-270 in the Register of Grants.

*Vaishali*

**(Dr. Vaishali Panjabi)**  
**Scientist 'E'**

डॉ. वैशाली पंजाबी / Dr. VAISHALI PANJABI  
वैज्ञानिक 'ई' / Scientist 'E'  
बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology  
विज्ञान और प्रौद्योगिकी मंत्रालय / M/o Science & Tech.  
भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi

**To,**  
The Pay & Accounts Officer,  
Department of Biotechnology,  
New Delhi - 110 003.

**Copy to:**

- 1 The Principal Director of Audit (Scientific Departments), DACR Building, New Delhi- 110 002.
- 2 The Director, Sir M. Visvesvaraya Institute of Technology, Bangalore - 562157, Karnataka
- 3 The Secretary, Institute Of Integrated Resource Management, Sonitpur- 784501 Assam
- 4 Dr. Dhattatreya Hosagrahar, Chief executive, Institute Of Integrated Resource Management, Sonitpur- 784501 Assam
- 5 Dr. H G Nagendra, Head and Professor, Department of Biotechnology, Sir M. Visvesvaraya Institute of Technology, Bangalore - 562157, Karnataka
- 6 Dr. Kanika Trivedy, ExDirector, Department of SilkBoard, Central Sericultural Research & Training Institute Premises, Mysuru - 570008, Karnataka
- 7 Dr. Mousumi Mondal, Board of Director, Department of Sericulture, Institute of Integrated Resource Management, Bangalore - 560065, Karnataka

- 8 Dr. Nirmal Kumar, Advisor for North East region in the state of Assam, Tripura, Bodoland Department of Silkboard, Central Silk Board, Central Sericultural Research & Training Institute Premises, Mysuru - 570008, Karnataka
- 9 Mr. B V Srinivas, Head R and D, Department of Biotechnology, Sir M. Visvesvaraya Institute of Technology, Bangalore - 561203, Karnataka
- 10 Cash Section, DBT (2 copies).
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- 12 File Copy.



**(Dr. Vaishali Panjabi)**  
**Scientist 'E'**

डॉ. वैशाली पंजाबी / Dr. VAISHALI PANJABI  
वैज्ञानिक 'ई' / Scientist 'E'  
बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology  
विज्ञान और प्रौद्योगिकी मंत्रालय / M/o Science & Tech.  
भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi



**Annexure -I**

Details of the Equipment sanctioned for the implementation of the project entitled "**Package and practices to rear edible grade Eri silkworm and formulation of nutraceutical recipe comprising of the same**":

<b>INSTITUTE OF INTEGRATED RESOURCE MANAGEMENT</b>			
<b>SNo.</b>	<b>Name of Equipment</b>	<b>No.</b>	<b>Cost(Rs.)</b>
1.	DRYING UNIT	1	150000.00
2.	PULVERIZING UNIT	1	300000.00
3.	MIXING UNIT	1	150000.00
4.	AUTOCLAVE	1	200000.00
5.	HEATERS	1	20000.00
6.	HUMIDIFIERS	1	50000.00
7.	HOMOGENIZER	1	450000.00
8.	POWER SPRAYER	1	30000.00
9.	PACKING MACHINE	1	225000.00
10.	EQUIPMENT ACCESSORIES- FOR DRYING UNIT, PULVERIZING UNIT, MIXING UNIT AND AUTOCLAVES	1	250000.00
<b>Total</b>			<b>1825000.00</b>
<b>Sir M. Visvesvaraya Institute of Technology</b>			
<b>SNo.</b>	<b>Name of Equipment</b>	<b>No.</b>	<b>Cost(Rs.)</b>
1.	STABILITY CHAMBER	1	800000.00
2.	RF STERILIZER	1	1700000.00
3.	EQUIPMENT ACCESSORIES FOR STABILITY CHAMBER AND RF STERILIZER	1	200000.00
<b>Total</b>			<b>2700000.00</b>

**(Dr. Vaishali Panjabi)**  
**Scientist 'E'**

डॉ. वैशाली पंजाबी / Dr. VAISHALI PANJABI  
वैज्ञानिक 'ई' / Scientist 'E'  
बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology  
विज्ञान और प्रौद्योगिकी मंत्रालय / Ministry of Science and Technology  
भारत सरकार, नई दिल्ली / Government of India, New Delhi

## Annexure -II

Details of the manpower sanctioned for the implementation of the project entitled "**Package and practices to rear edible grade Eri silkworm and formulation of nutraceutical recipe comprising of the same**":

Head	No. of Position	Year I	Year II	Year III	Total (Rs.)
<b>1. INSTITUTE OF INTEGRATED RESOURCE MANAGEMENT</b>					
Field Assistant Rs. 20,000/-+ 8% HRA	1	0	259200	259200	<b>518400</b>
Research Assistant Rs. 30,000/- fixed Per Month	1	360000	360000	360000	<b>1080000</b>
<b>Total(Rs.)</b>		<b>360000</b>	<b>619200</b>	<b>619200</b>	<b>1598400</b>
<b>2. Sir M. Visvesvaraya Institute of Technology</b>					
Research Assistant Rs. 30,000/- fixed per month	1	360000	360000	360000	<b>1080000</b>
<b>Total(Rs.)</b>		<b>360000</b>	<b>360000</b>	<b>360000</b>	<b>1080000</b>

Emoluments detail of research personal(s) mentioned in table(s) of Annexure-II shall be applicable only if candidate(s) met educational qualification and eligibility criteria as per DST OM No. SR/S9/Z-05/2019 dated 10.07.2020.

**(Dr. Vaishali Panjabi)**  
**Scientist 'E'**

डॉ. वैशाली पंजाबी / Dr. VAISHALI PANJABI  
वैज्ञानिक 'ई' / Scientist 'E'  
बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology  
विज्ञान और प्रौद्योगिकी संस्थान / M/o Science & Tech.  
भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi

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Non-Recurring

No. BT/PR41763/NER/95/1858/2021  
GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY  
(NER-BPMC)

Block 2, (6-8th Floors)  
CGO Complex, Lodhi Road,  
New Delhi- 110 003  
Date: 31/03/2021

**RELEASE ORDER**

In continuation of this Department's sanction order of even number dated 31/03/2021 sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rule, 1978, for the release of Rs. **2020000.00/-** (Rupees Twenty Lakhs Twenty Thousand Only) being the first year release for the project entitled "**Package and practices to rear edible grade Eri silkworm and formulation of nutraceutical recipe comprising of the same**", being implemented by:

1. Dr. Dhattatreya Hosagrahar, Chief Executive, Institute Of Integrated Resource Management, Sonitpur- 784501 Assam
2. Dr. H G Nagendra, Head and Professor, Department of Biotechnology, Sir M. Visvesvaraya Institute of Technology, Bangalore - 562157, Karnataka

The detailed break-up is as given below:

SN	Institute Name	Non Recurring		Total Release Amount (Rs)
		Equipment	Other	
1	INSTITUTE OF INTEGRATED RESOURCE MANAGEMENT Tezpur	1120000.00	0.00	1120000.00
2	Sir M. Visvesvaraya Institute of Technology Bangalore	900000.00	0.00	900000.00

2. The amount of Rs. **2020000.00/-** (Rupees Twenty Lakhs Twenty Thousand Only) will be directly credited by the Pay & Accounts Officer, DBT in the account as detailed below:

1. Rs. **1120000.00/-** (Rupees Eleven Lakhs Twenty Thousand Only) to The Secretary, Institute of Integrated Resource Management, Sonitpur- 784501, Assam

Bank Name : United Bank of India  
Branch Name : Tezpur Branch  
A/c No. : 0010010321105  
IFSC Code : UTBI0TEZ310  
MICR Code : 784027002

2. Rs. **900000.00/-** (Rupees Nine Lakhs Only) to The Director, Sir M. Visvesvaraya Institute of Technology, Bangalore - 562157, Karnataka

Bank Name : KOTAK MAHINDRA BANK  
Branch Name : SMVIT Branch  
A/c No. : 183110000011  
IFSC Code : KKBK0008084  
MICR Code : 56048577

Vaishali

डॉ. वैशाली पंजाबी / Dr. VAISHALI PANJABI  
वैज्ञानिक 'ई' / Scientist 'E'  
बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology  
विज्ञान और प्रौद्योगिकी मंत्रालय / M/o Science & Tech.  
भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi


3. The expenditure involved is debitable to:

Demand No. 88	Department of Biotechnology
3425	Other Scientific Research 2020-2021
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Biotechnology Research and Development
3425.60.200.29.17	Assistance for Research and Development
3425.60.200.29.17.35	Grants for creation of capital assets

4. The Secretary, Institute of Integrated Resource Management, Sonitpur, Assam and The Director, Sir M. Visvesvaraya Institute of Technology, Bangalore, Karnataka will submit audited utilization certificates and statements of expenditure in respect of the above-mentioned amount.
5. As per Rule 236 (1) of GFR 2017, the accounts of all Grantee Institutions or Organisations shall be open to inspection by the sanctioning authority and audit, both by the Comptroller and Auditor General of India under the provision of CAG(DPC) Act 1971 and internal audit by the Principal Accounts Office of the Ministry or Department, whenever the Institution or Organisation is called upon to do so.
6. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
7. The Institute/Agency will keep the whole of the grant in a Bank Account earning interest, and the interest so earned should be reported to DBT in the Utilization Certificate and Statement of Expenditure. **As per provision contained in the Rule 230 (8) of GFR 2017, all interest/other earning occurred against grant-in-aid shall be mandatorily remitted to the Consolidated Fund of India (CFI) through the online portal www.bharatkosh.gov.in only.**
8. **Terms & Conditions:**
- a. The Non-Recurring items must be procured and installed within 18-months of the sanction of the project, failing which the PIs have to return the remaining/unutilized Non Recurring grant with 10% of Interest.
- b. In case the amount of grant-in-aid is refunded, the whole or a part amount of the grant, with an interest at 10% per annum there on shall be recovered.
- The other terms and conditions governing the financial sanction will remain unaltered.
9. This issues under the powers delegated to this Department and with the concurrence of IFD, DBT, vide their SAN No. **102/IFD/SAN/3263/2020-2021** dated **March 31, 2021**.
10. This sanction order has been noted at serial no 289.... dated 31/3/21..... in the Register of Grants.

To,

The Pay & Accounts Officer,  
Department of Biotechnology,  
New Delhi - 110 003.

  
(Dr. Vaishali Panjabi)  
डॉ. वैशाली पंजाबी / Dr. VAISHALI PANJABI  
वैज्ञानिक 'E' / Scientist 'E'  
बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnol  
विज्ञान और प्रौद्योग. मंत्रालय / M/o Science & T  
सर्वोच्च सरकार, नई दिल्ली / Govt. of India, N.

**Copy to:**

- 1 The Principal Director of Audit (Scientific Departments), DACR Building, New Delhi- 110 002.
- 2 The Director, Sir M. Visvesvaraya Institute of Technology, Bangalore - 562157, Karnataka
- 3 The Secretary, Institute Of Integrated Resource Management, Sonitpur- 784501 Assam
- 4 Dr. Dhattatreya Hosagrahar, Chief executive, Institute Of Integrated Resource Management, Sonitpur- 784501 Assam
- 5 Dr. H G Nagendra, Head and Professor, Department of Biotechnology, Sir M. Visvesvaraya Institute of Technology, Bangalore - 562157, Karnataka
- 6 Dr. Kanika Trivedy, ExDirector, Department of SilkBoard, Central Sericultural Research & Training Institute Premises, Mysuru - 570008, Karnataka
- 7 Dr. Mousumi Mondal, Board of Director, Department of Sericulture, Institute of Integrated Resource Management, Bangalore - 560065, Karnataka
- 8 Dr. Nirmal Kumar, Advisor for North East region in the state of Assam, Tripura, Bodoland Department of Silkboard, Central Silk Board, Central Sericultural Research & Training Institute Premises, Mysuru - 570008, Karnataka
- 9 Mr. B V Srinivas, Head R and D, Department of Biotechnology, Sir M. Visvesvaraya Institute of Technology, Bangalore - 561203, Karnataka
- 10 Cash Section, DBT (2 copies).
- 11 Sanction Folder.
- 12 File Copy.
- 13 **US (IFD) DBT with a request to re-appropriate an amount of Rs. 2020000.00/- from respective NER budget.**

*Vaishali*

डॉ. (Dr. Vaishali Panjabi)  
वैज्ञानिक 'Scientist 'E'  
बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology  
विज्ञान और प्रौद्योगिकी मंत्रालय / M/o Science & Tech.  
भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi



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User Type: **PD**  
Financial Year: **2020-2021**

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(formerly CPSMS)  
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Sanction Templates

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Masters

My Schemes

Agencies

My Funds

Scheme Allocation

Register/ Track Issue

Utilisation Certificate

OLD UC

## Payee Details

Controller: 037-SCIENCE AND TECHNOLOGY

Sanction Status: **Approved**

Sanction Number: BT/PR41763/NER/95/1858/2021

Sanction Date: 31/03/2021

Sanction Type: Transfer (DDO Bill)

Sanction Amount: 2020000

IFD Number: 3263

IFD Date: 31/03/2021

Scheme: 0150-Biotechnology Research and Development

PAO: 059241-PAO Bio-technology)

DDO: 259242-SO,CASH, DEPT OF BIO TECH. NEW DELHI

Remarks: 1st Year Non-Recurring

North East Expenditure

## Account Details:

Grant	Department (For UT Grants Only)	Function Head	Object Head	Category	Amount	External PAO	Available Budget
088 - Department of Biotechnology		3425602002917 - ASSISTANCE FOR RESEARCH & DEVELOPMENT	35 - GRANTS FOR CREATION OF CAPITAL ASSETS	5 - VOTED	2020000		-38544859

Agency	Bank Account No	Amount	Instrument Type
Institute of Integrated Resource Management	0010010321105 - INSTITUTE OF INTE ▼	1,120,000.00	<input checked="" type="radio"/> RTGS
Sir M Visvesvaraya Institute of Technology	18311000011 - PRINCIPAL SIR M VIS ▼	900,000.00	<input checked="" type="radio"/> RTGS

## ePayment Details

Accredited Bank : \* UNION BANK OF INDIA ▼ Amount : 2020000

Not Payable Before : \* Required

Party Name	IFSC Code	Party Account No	Amount	Payee Remarks
The Secretary, INS	UTBI0TEZ310	0010010321105	1120000	1st Year Non-Recurring
The Director, PRIN	KKBK0008084	18311000011	900000	1st Year Non-Recurring

Note: If the IFSC Code is not automatically shown it means bank A/C is not validated.If payment process is urgent please key in the IFSC Code and process payment.Please ensure IFSC Code is correct.

Vaishali

Back

डॉ. वैशाली पंजाबी / Dr. VAISHALI PANJABI

वैज्ञानिक 'ई' / Scientist 'E'

बतौर सहायक निदेशक / Deputy Director  
विज्ञान और प्रौद्योगिकी विभाग / Deptt. of Biotechnology  
विज्ञान और प्रौद्योगिकी, मंत्रालय / M/o Science & Tech.  
भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi



270

**Recurring**

**No. BT/PR41763/NER/95/1858/2021**  
 GOVERNMENT OF INDIA  
 MINISTRY OF SCIENCE & TECHNOLOGY  
 DEPARTMENT OF BIOTECHNOLOGY  
 (NER-BPMC)

Block 2, (6-8th Floors)  
 CGO Complex, Lodhi Road,  
 New Delhi- 110 003  
 Date: 31/03/2021

**RELEASE ORDER**

In continuation of this Department's sanction order of even number dated 31/03/2021, sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rule, 1978, for the release of Rs. **2980000.00/-** (Rupees Twenty Nine Lakhs Eighty Thousand Only) being the first year release for the project entitled "**Package and practices to rear edible grade Eri silkworm and formulation of nutraceutical recipe comprising of the same**", being implemented by:

1. Dr. Dhattatreya Hosagrahar, Chief executive, Institute Of Integrated Resource Management, Sonitpur- 784501 Assam
2. Dr. H G Nagendra, Head and Professor, Department of Biotechnology, Sir M. Visvesvaraya Institute of Technology, Bangalore - 562157, Karnataka

The detailed break-up is as given below:

SN	Institute Name	Recurring						Total Release Amount (Rs)
		Manpower	Consumable	Travel	Contingency	Others	Overhead	
1	INSTITUTE OF INTEGRATED RESOURCE MANAGEMENT Tezpur	360000.00	400000.00	200000.00	150000.00	1100000.00	80000.00	2290000.00
2	Sir M. Visvesvaraya Institute of Technology Bangalore	360000.00	200000.00	50000.00	50000.00	0.00	30000.00	690000.00

2. The amount of Rs. **2980000.00/-** (Rupees Twenty Nine Lakhs Eighty Thousand Only) will be directly credited by the Pay & Accounts Officer, DBT in the account as detailed below:

*Vaishali*

डॉ. वैशाली पंजाबी / Dr. VAISHALI PANJABI  
 वैज्ञानिक 'ई' / Scientist 'E'  
 बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology  
 विज्ञान और प्रौद्योगिकी मंत्रालय / M/o Science & Tech.  
 भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi



1. Rs.2290000.00/- (Rupees Twenty Two Lakhs Ninety Thousand Only) to The Secretary, Institute of Integrated Resource Management, Sonitpur- 784501, Assam

Bank Name : United Bank of India  
Branch Name : Tezpur Branch  
A/c No. : 0010010321105  
IFSC Code : UTBI0TEZ310  
MICR Code : 784027002

2. Rs.690000.00/- (Rupees Six Lakhs Ninety Thousand Only) to The Director, Sir M. Visvesvaraya Institute of Technology, Bangalore - 562157, Karnataka

Bank Name : KOTAK MAHINDRA BANK  
Branch Name : SMVIT  
A/c No. : 183110000011  
IFSC Code : KKBK0008084  
MICR Code : 56048577

3. The expenditure involved is debit to:

Demand No. 88	Department of Biotechnology
3425	Other Scientific Research 2020-2021
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Biotechnology Research and Development
3425.60.200.29.17	Assistance for Research and Development
3425.60.200.29.17.31	Grants -in-Aid General

4. The Secretary, Institute of Integrated Resource Management, Sonitpur, Assam and The Director, Sir M. Visvesvaraya Institute of Technology, Bangalore, Karnataka will submit audited utilization certificates and statements of expenditure in respect of the above-mentioned amount.
5. As per Rule 236 (1) of GFR 2017, the accounts of all Grantee Institutions or Organisations shall be open to inspection by the sanctioning authority and audit, both by the Comptroller and Auditor General of India under the provision of CAG(DPC) Act 1971 and internal audit by the Principal Accounts Office of the Ministry or Department, whenever the Institution or Organisation is called upon to do so.
6. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
7. The Institute/Agency will keep the whole of the grant in a Bank Account earning interest, and the interest so earned should be reported to DBT in the Utilization Certificate and Statement of Expenditure. **As per provision contained in the Rule 230 (8) of GFR 2017, all interest/other earning occurred against grant-in-aid shall be mandatorily remitted to the Consolidated Fund of India (CFI) through the online portal [www.bharatkosh.gov.in](http://www.bharatkosh.gov.in) only.**
8. The other terms and conditions governing the financial sanction will remain unaltered.
9. This issues under the powers delegated to this Department and with the concurrence of IFD, DBT, vide their SAN No. **102/IFD/SAN/3262/2020-2021** dated **March 31, 2021**.

*Vaishali*  
डॉ. वैशाली पंजाबी / Dr. VAISHALI PANJABI  
वैज्ञानिक 'ई' / Scientist 'E'  
बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology  
विज्ञान और प्रौद्योगिकी मंत्रालय / M/o Science & Tech.  
भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi

10. This sanction order has been noted at serial no .....270..... dated .....31/3/24..... in the Register of Grants.

*Vaishali*

**(Dr. Vaishali Panjabi)**  
**Scientist 'E'**

डॉ. वैशाली पंजाबी / Dr. VAISHALI PANJABI  
वैज्ञानिक 'ई' / Scientist 'E'  
बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology  
विज्ञान और प्रौद्योगिकी मंत्रालय / M/o Science & Tech.  
भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi

**To,**

The Pay & Accounts Officer,  
Department of Biotechnology,  
New Delhi - 110 003.

**Copy to:**

- 1 The Principal Director of Audit (Scientific Departments), DACR Building, New Delhi- 110 002.
- 2 The Director, Sir M. Visvesvaraya Institute of Technology, Bangalore - 562157, Karnataka
- 3 The Secretary, Institute Of Integrated Resource Management, Sonitpur- 784501 Assam
- 4 Dr. Dhattatreya Hosagrahar, Chief executive, Institute Of Integrated Resource Management, Sonitpur- 784501 Assam
- 5 Dr. H G Nagendra, Head and Professor, Department of Biotechnology, Sir M. Visvesvaraya Institute of Technology, Bangalore - 562157, Karnataka
- 6 Dr. Kanika Trivedy, ExDirector, Department of SilkBoard, Central Sericultural Research & Training Institute Premises, Mysuru - 570008, Karnataka
- 7 Dr. Mousumi Mondal, Board of Director, Department of Sericulture, Institute of Integrated Resource Management, Bangalore - 560065, Karnataka
- 8 Dr. Nirmal Kumar, Advisor for North East region in the state of Assam, Tripura, Bodoland Department of Silkboard, Central Silk Board, Central Sericultural Research & Training Institute Premises, Mysuru - 570008, Karnataka
- 9 Mr. B V Srinivas, Head R and D, Department of Biotechnology, Sir M. Visvesvaraya Institute of Technology, Bangalore - 561203, Karnataka
- 10 Cash Section, DBT (2 copies).
- 11 Sanction Folder.
- 12 File Copy.
- 13 **US (IFD) DBT with a request to re-appropriate an amount of Rs. 2980000.00/- from respective NER budget.**

*Vaishali*

**(Dr. Vaishali Panjabi)**  
**Scientist 'E'**

डॉ. वैशाली पंजाबी / Dr. VAISHALI PANJABI  
वैज्ञानिक 'ई' / Scientist 'E'  
बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology  
विज्ञान और प्रौद्योगिकी मंत्रालय / M/o Science & Tech  
भारत सरकार, नई दिल्ली / Govt. of India, N. Del



270

Welcome: **Dr. Vaishali Panjabi**  
User Type: **PD**  
Financial Year: **2020-2021**



[pdner] Logout  
Change Password

Login History

Help

# Public Financial Management System-PFMS

(formerly CPSMS)

O/o Controller General of Accounts, Ministry of Finance

AdhocReports

SchemeWiseContactDetails

Home

CAM Reports

Masters

Users

Agency

Sanctions

PreSanction

Sanction Custom Fields

Printing Templates

Sanction Templates

Employee Info. System

Reports

Masters

My Schemes

Agencies

My Funds

Scheme Allocation

Register/ Track Issue

Utilisation Certificate

OLD UC

## Payee Details

**Controller:** 037-SCIENCE AND TECHNOLOGY **Sanction Status:** Approved

**Sanction Number:** BT/PR41763/NER/95/1858/2021 **Sanction Date:** 31/03/2021

**Sanction Type:** Transfer (DDO Bill) **Sanction Amount:** 2980000

**IFD Number:** 3262 **IFD Date:** 31/03/2021

**Scheme:** 0150-Biotechnology Research and Development **PAO:** 059241-PAO Bio-technology)

**DDO:** 259242-SO,CASH, DEPT OF BIO TECH. NEW DELHI **Remarks:** 1st Year Recurring

North East Expenditure

### Account Details:

Grant	Department (For UT Grants Only)	Function Head	Object Head	Category	Amount	External PAO	Available Budget
088 - Department of Biotechnology		3425602002917 - ASSISTANCE FOR RESEARCH & DEVELOPMENT	31 - GRANTS-IN-AID GENERAL	5 - VOTED	2980000		-437811152

Agency	Bank Account No	Amount	Instrument Type
Institute of Integrated Resource Management	0010010321105 - INSTITUTE OF INTE ▼	2,290,000.00	RTGS
Sir M Visvesvaraya Institute of Technology	18311000011 - PRINCIPAL SIR M VIS ▼	690,000.00	RTGS

### ePayment Details

**Accredited Bank:** UNION BANK OF INDIA ▼ **Amount:** 2980000 **Not Payable Before:** \* Required

Party Name	IFSC Code	Party Account No	Amount	Payee Remarks
The Secretary, INS	UTBI0TEZ310	0010010321105	2290000	1st Year Recurring
The Director, SIR	KKBK0008084	18311000011	690000	1st Year Recurring

Note: If the IFSC Code is not automatically shown it means bank A/C is not validated.If payment process is urgent please key in the IFSC Code and process payment.Please ensure IFSC Code is correct.

Back

Vaishali



# 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

**Mr. H. Hemanth Kumar**  
Executive Secretary

Ref: 7.1.01/SPP/10

24th April 2021

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

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : **44S\_BE\_3151**

Ref : Your Project Proposal entitled " **TANAAV SAATHI : A MOBILE BASED APPLICATION TO MANAGE COVID RELATED STRESS**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Mr. Shivam Pandit	Budget	
		Particulars	Amount (Rs.)
	Ms. Srividya Subash	Materials/Consumables	2,000.00
	Mr. Koushik Boinepally	Labour	-
		Travel	-
Guide/s	Dr. H.G. Nagendra	Miscellaneous	500.00
	Dr. Girinath G Pillai	Report	500.00
Department	Biotechnology	<b>Total</b>	<b>3,000.00</b>
<b>THREE THOUSAND RUPEES ONLY</b>			

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 softcopy of the full report in a CD (single file .pdf format only) 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

- 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.)**

The sanctioned amount will be sent to the Principal / Head of the Institute by NEFT details provided by the college/institution.

**The sponsored projects evaluation will be held in the Nodal Centre /online platform and the details of the same 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 (by email):

- 1) Dr. K S Shanmukharadhya  
SPP Coordinator  
Sir M. Visvesvaraya Institute Of Technology  
Krishnadevarayanagar  
Hunasamaranahalli  
Bengaluru - 562 157
- 2) Dr. H.G. Nagendra  
Department of Biotechnology  
Sir M. Visvesvaraya Institute Of Technology  
Krishnadevarayanagar  
Hunasamaranahalli  
Bengaluru - 562 157
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above



**Mr. H. Hemanth Kumar**  
Executive Secretary

Ref: 7.1.01/SPP/10

24th April 2021

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

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : **44S\_BE\_3445**

Ref : Your Project Proposal entitled " **TOMATO CROP HEALTH EVALUATION**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Ms. Akshatha Chakravarthy	Budget	
		Particulars	Amount (Rs.)
	Ms. Shweta Ramamoorthy	Materials/Consumables	4,000.00
		Labour	-
Guide/s	Dr. H G Nagendra	Travel	-
		Miscellaneous	-
Department	Biotechnology	Report	500.00
		<b>Total</b>	<b>4,500.00</b>
<b>FOUR THOUSAND FIVE HUNDRED RUPEES ONLY</b>			

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 softcopy of the full report in a CD (single file .pdf format only) 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

- 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.)**

The sanctioned amount will be sent to the Principal / Head of the Institute by NEFT details provided by the college/institution.

**The sponsored projects evaluation will be held in the Nodal Centre /online platform and the details of the same 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 (by email):

- 1) Dr. K S Shanmukharadhya  
SPP Coordinator  
Sir M. Visvesvaraya Institute Of Technology  
Krishnadevarayanagar  
Hunasamaranahalli  
Bengaluru - 562 157
- 2) Dr. H G Nagendra  
Department of Biotechnology  
Sir M. Visvesvaraya Institute Of Technology  
Krishnadevarayanagar  
Hunasamaranahalli  
Bengaluru - 562 157
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above



**Mr. H. Hemanth Kumar**  
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

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

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : **44S\_BE\_3448**

Ref : Your Project Proposal entitled " **SUPER CRITICAL FLUID EXTRACTION OF SANDALWOOD SEED OIL FOR PURIFICATION OF XIMENYNIC ACID , AN ANTI-AGEING COMPONENT.**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Ms. Sahana B T	Budget	
		Particulars	Amount (Rs.)
Student / s	Ms. Pratheesha	Materials/Consumables	5,000.00
	Ms. Sahana S	Labour	500.00
	Ms. Yashaswini M A	Travel	-
	Dr. H G Nagendra	Miscellaneous	-
Guide/s	Mrs. Deepa H N	Report	500.00
Department	Biotechnology	<b>Total</b>	<b>6,000.00</b>
<b>SIX THOUSAND RUPEES ONLY</b>			

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 softcopy of the full report in a CD (single file .pdf format only) 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



6) Introduction / background

44S\_BE\_3448

(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.)**

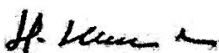
The sanctioned amount will be sent to the Principal / Head of the Institute by NEFT details provided by the college/institution.

**The sponsored projects evaluation will be held in the Nodal Centre /online platform and the details of the same 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 (by email):

- 1) Dr. K S Shanmukharadhya  
SPP Coordinator  
Sir M. Visvesvaraya Institute Of Technology  
Krishnadevarayanagar  
Hunasamaranahalli  
Bengaluru - 562 157
- 2) Dr. H G Nagendra  
Department of Biotechnology  
Sir M. Visvesvaraya Institute Of Technology  
Krishnadevarayanagar  
Hunasamaranahalli  
Bengaluru - 562 157
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above



# 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

**Mr. H. Hemanth Kumar**  
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

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

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : **44S\_MTECH\_102**

Ref : Your Project Proposal entitled " **LARGE SCALE SUPER CRITICAL FLUID EXTRACTION OF SILYMARIN (MILK THISTLE), TO BE USED AS A HEPATO-PROTECTANT AND NUTRITIONAL FEED SUPPLEMENT IN**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Ms. Sushree Chinmayee Nayak	Budget	
		Particulars	Amount (Rs.)
	Ms. Pratheesha		
	Ms. Sahana S	Materials/Consumables	4,000.00
	Ms. Darshini B M	Labour	500.00
Guide/s	Dr. H G Nagendra	Travel	500.00
	Mrs. Priyanka R	Miscellaneous	500.00
Department	Biotechnology And Biochemical Engineering	Report	500.00
		<b>Total</b>	<b>6,000.00</b>
<b>SIX THOUSAND RUPEES ONLY</b>			

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 softcopy of the full report in a CD (single file .pdf format only) 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

- 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).

44S\_MTECH\_10

**(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.)**

The sanctioned amount will be sent to the Principal / Head of the Institute by NEFT details provided by the college/institution.

**The sponsored projects evaluation will be held in the Nodal Centre /online platform and the details of the same 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 (by email):

- 1) Dr. K S Shanmukharadhya  
SPP Coordinator  
Sir M. Visvesvaraya Institute Of Technology  
Krishnadevarayanagar  
Hunasamaranahalli  
Bengaluru - 562 157
- 2) Dr. H G Nagendra  
Department of Biotechnology And Biochemical Engineering  
Sir M. Visvesvaraya Institute Of Technology  
Krishnadevarayanagar  
Hunasamaranahalli  
Bengaluru - 562 157
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above



## 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

**Mr. H. Hemanth Kumar**  
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

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

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : 44S\_BE\_3450

Ref : Your Project Proposal entitled " **STUDY ON SMART IRRIGATION SYSTEM IN CHIKKABALLAPUR TALUK KARNATAKA**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Ms. Navya R	Budget	
		Particulars	Amount (Rs.)
	Ms. Asha A B		
	Ms. Chandana M R	Materials/Consumables	2,000.00
	Ms. Rithushree C	Labour	500.00
Guide/s	Dr. Shivanna S	Travel	500.00
	Mrs. Vyshnavi D R	Miscellaneous	500.00
Department	Civil Engineering	Report	500.00
		<b>Total</b>	<b>4,000.00</b>
<b>FOUR THOUSAND RUPEES ONLY</b>			

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 softcopy of the full report in a CD (single file .pdf format only) 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

6) Introduction / background

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

44S\_BE\_3450

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.)**

The sanctioned amount will be sent to the Principal / Head of the Institute by NEFT details provided by the college/institution.

The sponsored projects evaluation will be held in the Nodal Centre /online platform and the details of the same 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 (by email):

- 1) Dr. K S Shanmukharadhya  
SPP Coordinator  
Sir M. Visvesvaraya Institute Of Technology  
Krishnadevarayanagar  
Hunasamaranahalli  
Bengaluru - 562 157
- 2) Dr. Shivanna S  
Department of Civil Engineering  
Sir M. Visvesvaraya Institute Of Technology  
Krishnadevarayanagar  
Hunasamaranahalli  
Bengaluru - 562 157
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above



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**Mr. H. Hemanth Kumar**

*Executive Secretary*

24th April 2021

Ref: 7.1.01/SPP/10

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

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

**Your Project Proposal Reference No. : 44S\_BE\_3453**

Ref : Your Project Proposal entitled " **GREEN JOINING TECHNOLOGY TO JOIN DISSIMILAR MATERIALS USED IN AEROSPACE AND AUTOMOBILE INDUSTRIAL APPLICATIONS**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Mr. Bheemaraya	Budget	
		Particulars	Amount (Rs.)
Student / s	Mr. Pavan S K		
	Ms. Archana C	Materials/Consumables	6,000.00
	Mr. Pradeep M S	Labour	500.00
	Dr. Prashant S Humnabad	Travel	500.00
Guide/s		Miscellaneous	500.00
	Mechanical Engineering	Report	500.00
Department		<b>Total</b>	<b>8,000.00</b>
<b>EIGHT THOUSAND RUPEES ONLY</b>			

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 softcopy of the full report in a CD (single file .pdf format only) 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

- 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.)**

The sanctioned amount will be sent to the Principal / Head of the Institute by NEFT details provided by the college/institution.

**The sponsored projects evaluation will be held in the Nodal Centre /online platform and the details of the same 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 (by email):

- 1) Dr. K S Shanmukharadhya  
SPP Coordinator  
Sir M. Visvesvaraya Institute Of Technology  
Krishnadevarayanagar  
Hunasamarahalli  
Bengaluru - 562 157
- 2) Dr. Prashant S Humnabad  
Department of Mechanical Engineering  
Sir M. Visvesvaraya Institute Of Technology  
Krishnadevarayanagar  
Hunasamarahalli  
Bengaluru - 562 157
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above



Government of Karnataka

## Vision Group on Science and Technology

Department of Information Technology, Biotechnology and Science & Technology  
4th Gate, 7th Floor, M.S. Building, Dr. Ambedkar Veedhi, Bengaluru - 560 001  
Phone : 080-2203 2013, E-mail : visiongroup.st@gmail.com, Website : www.vgst.in

Dr. S.G. Sreekanteswara Swamy, Ph.D.  
Consultant

No: VGST/RGS-F/GRD-914/2019-20/2020-21/198

Date: 10.11.2020

To,  
Dr. Prashant S. Humnabad  
Assistant Professor,  
Department of Mechanical Engineering,  
Sri M Visvesvaraya Institute of Technology,  
Hunasamaranahalli, Yelahanka, International Air Port Road,  
Bengaluru - 562 157.

Dear Sir/Madam,

**Sub:** Intimation regarding the selection of the project under RGS/F scheme of VGST for FY 2019-20 – reg.

\*\*\*\*\*

**Greetings from the Department of Science and Technology, GoK & KSTePS and VGST,**

We are directed to inform you that your proposal entitled “Solid State Welding of Ferrous and Non-Ferrous Materials for Automobile and Aviation Industrial Application ” Submitted under the VGST scheme of RGS-F for the financial year 2019-2020 has been approved by the Government based on the recommendations of the Selection Committee, Vision Group on Science and Technology under the Chairmanship of Bharat Ratna Prof. CNR Rao, Honorary President, JNCASR.

The grant will be released to the Head of the institution by KSTePS. The Principal Investigator and Co Principal Investigator shall be responsible for completion of the stated objectives of the project. The Principal Investigator through the Institution Head shall have to submit the progress report once in three months without fail. The grant shall be used only for the purpose described in the grant application by following due procedures of KTPP Act.

The Government may terminate the grant at any stage, if it is not convinced about the proper utilization of grant and progress made. The total amount released or any unspent balance with accrued interest must be returned back to VGST. Any publications or other dissemination arising from research supported by VGST grants should be properly acknowledged.

A Memorandum of Agreement (MoA) is enclosed and same to be duly signed on Rs. 100/- stamp paper and submit to VGST before 25<sup>th</sup> November, 2020.

...2

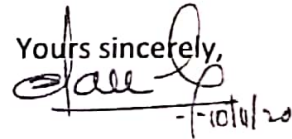


The sanctioned grant will be sent through NEFT/RTGS to your institution. Hence, it is requested to send the following details on your intuitional letter head, sealed and signed by the authorized signatory, by post. A scanned copy of the same may also be sent to [visiongroup.st@gmail.com](mailto:visiongroup.st@gmail.com)

1. Account Name
2. Account Number
3. IFSC Number
4. Name of the Bank
5. Branch

We would like to personally congratulate and greet you for being selected for VGST program and we wish you a great success in the implementation of the project. For all your future correspondence, you may contact VGST office.

Thanking you and best regards,

Yours sincerely,  
  
-1-10/10/20

CC:

- 1) The Principal, Sri M Visvesvaraya Institute of Technology, Hunasamaranahalli, Yelahanka, International Air Port Road, Bengaluru - 562 157.
- 2) The Deputy Secretary to Govt., Dept. of Science and Technology, Room No. 305, 5<sup>th</sup> Floor, 5<sup>th</sup> Stage, M.S. Building, Dr. Ambedkar Veedhi, Bengaluru -560 001.
- 3) The Managing Director, Karnataka Science and Technology Promotion Society, Vijnana Bhavana, 3rd Floor, 24/2, 21st Main Road, Banashankari 2nd Stage, Bengaluru- 560070.
- 4) Dr. Hanumantraygowda M. B, Assistant Professor, Dept. of Mechanical Engineering, Sri M Visvesvaraya Institute of Technology, Hunasamaranahalli, Yelahanka, International Air Port Road, Bengaluru - 562 157.



**MODROB - Sanction Letter**

F.No.9-246/IDC/MODROB/Policy-1/2019-20

Date: 20.07.2020

To  
The Drawing and Disbursing Officer,  
All India Council for Technical  
Education, Nelson Mandela Marg,  
Vasant Kunj, New Delhi - 110070

**Sub:** Release of a sum of **Rs.1254902/- (Rupees Twelve Lakh FiftyFour Thousand Nine Hundred Two Only)** being the 1<sup>st</sup> installment **Grant-in-Aid** under the scheme **Modernization and Removal of Obsolescence (MODROB)** for the year **2019-20** payable during the current financial year **2020-21-** reg.

Sir,

With reference to the proposal submitted by the institute, this is to convey that the sanction of the Council for payment of **Rs.1568627/- (Rupees Fifteen Lakh SixtyEight Thousand Six Hundred TwentySeven Only)** as sanctioned Grant-in-Aid under the **Modernization and Removal of Obsolescence (MODROB)** scheme, as per details given below:

1.	Name and address of the Beneficiary Institution:	Director/ Principal/ Registrar, <b>SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY, KRISHNADEVARAYANAGAR, HUNASAMARANAHALLI, VIA YELAHANKA BANGALORE - 562 157</b>		
2.	Title of Project:	SIEMENS Advanced Analysis Lab		
3.	Name of Coordinator:	Mr. PRASHANT HUMANABAD		
4.	Duration of the project:	2 years		
4.	Total Grant-in-aid Sanctioned:	<b>Total:</b> Rs.1568627/-	Non-Recurring (85%): Rs.1333332/-	Recurring (15%): Rs.235294/-
5.	Amount to be released during the year 2020-21:	<b>1<sup>st</sup> Installment</b> Rs.1254902/-	Non-Recurring (85%): Rs.1066666/-	Recurring (15%): Rs.188235/-
6.	Sanctioned grant-in-aid is debatable to:	<b>Major Head 601.18(a) Gen. (Plan Head)</b>		

- The amount of the Grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the Grant-in-Aid bill and shall be disbursed to and credited to the account of Director/Principal/ Registrar of the Institute through RTGS/PFMS.
- This Grant-in-Aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

**The instructions/guidelines to be followed by University/Institution**

**1. Release of funds**

- The Principal/ Director of the institute and the Coordinator of the project are hereby requested to verify the correctness of the undermentioned bank account/ RTGS details submitted by them along with the Proposal, in which the grant is being released:

Institute PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AAATS8008C	KOTAK MAHINDRA BANK	SMVIT	SMVIT Campus, Krishnadevaraya Nagara, Off International Airport Road, Hunasamaranahalli, Bangalore-562157	PRINCIPAL, SIR MVIT	Saving Account	183110000011	KKBK0008084

In case of any omission the same should be reported to AICTE immediately.

- b. The sanction is issued in exercise of the powers delegated to the council and other terms & conditions laid down in the guidelines of the scheme.
- c. 100% grant of the sanctioned amount is being released to Government/Govt. Aided institutions. Utilization Certificate (UC) and other requisite documents are to be submitted within one month of the completion of the project.
- d. To self-financed/Pvt. Institutions 80% of the sanctioned amount is being released as first installment followed by 20% as reimbursement after receipt of UC and other requisite documents as specified in terms & Conditions of MODROB Scheme.

#### II. Maintenance of accounts

- a. The Institute shall strictly follow the provisions laid down in the scheme document and sanction order No. F.No.9-246/IDC/MODROB/Policy-1/2019-20 dated 20.07.2020 issued by this office. All correspondences related to the project must contain this number along with year of sanction of the project; failing which correspondence will not be entertained.
- b. Funds covered by this grant shall be kept separately and would not be mixed up with other funds, so as to know the amount of interest accrued on the grant AICTE.
- c. The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure (list enclosed).
- d. The Council or its nominee shall have the right to check /verify the account to satisfy that the fund has been utilized for the purpose for it was sanctioned.
- e. The date of release of the grant by AICTE shall be taken as the date of commencement of the project. The Principal / Director / Registrar shall intimate about the receipt of the grant to AICTE. Any expenditure incurred prior to the issuance of the approval letter will not be allowed to be adjusted in the grant and if the Institution / University do not take the project work within one month of the receipt of the grant, the approval shall ipso fact lapse.
- f. After receipt of the grant from AICTE, the Institute shall send a confirmation to AICTE within 2 months of receipt of grant that the sanctioned project has been started/is in progress.

#### III. Refund of grant by way of a demand draft in favour of Member Secretary, AICTE, New Delhi

- a. If the college/institute does not have the Letter of Approval (LOA) or Extension of Approval issued by AICTE for the academic year 2020-21, the fund released should be immediately refunded to AICTE with interest accrued thereon.
- b. If project is not started within six months of the issuance of this Offer Letter, the released amount, along with interest accrued thereon, has to be necessarily returned to AICTE.
- c. In any case, if the institute is required to refund the grant or interest accrued thereon or balance amount, the amount will be refunded to AICTE.
- d. It may be ensured that the project is completed within the stipulated time. If the project is not completed in

time, no further extension will be granted in any case and institute has to refund the entire amount to AICTE.

- e. As AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.

#### IV. Submission of documents by college/institution after completion of Project/Subsequent years.

The following mandatory relevant documents are required to be submitted by the college/institution within one month of the completion of the project: -

- a. Feedback form in the prescribed proforma.
- b. The **Annual Progress Report (APR)** in the prescribed format along with the original Statement of actual Expenditure in the prescribed proforma duly signed by the Head of the institution and shall be submitted to AICTE not later than one month after completion.
- c. The **Utilization Certificate (UC)** supported by Audited Statement of Expenditure to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the AICTE immediately after completion of the project. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council. Audited Statement of Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format and GFR-19 shall be submitted to the Council.
- d. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed by a Chartered Accountant (with membership no., full address & stamp). Photocopies of formats are enclosed.
- e. **Program Evaluation Committee (PEC)** is required to be constituted at Institutional level. The constitution of the PEC shall be asunder:
  - (i) Principal/Director/Registrar of the Institution(Chairperson)
  - (ii) Coordinator of the project (Member Secretary),
  - (iii) Two HODs and one subject expert(Members).

**The members of the said PEC shall not be below the rank of Associate Professor.** The minutes of the meetings are to be submitted to the Council at end of the project along with other mandatory documents.

- f. Project completion report project indicating the activities undertaking, number of students benefited, laboratory works photographs of students, together with their views is to be submitted.
- g. Attested photocopies of supporting vouchers/bills of expenditure incurred for the completion of Project.
- h. Photographs of equipment's purchased.
- i. The balance amount of the grant will be reimbursed to the university/institution only on submission of the above documents. On receipt of these documents, the total amount of balance of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid shall be released, as second installment, in favour of the beneficiary institution.

#### V. General instructions

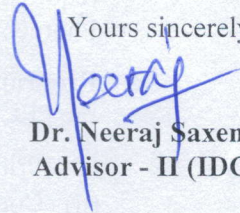
- a. **The amount of interest accrued on the grant should be treated as part of the grant to be utilized for that particular project. However, the interest amount accrued along with grant disbursed should not exceed the total grant sanctioned for the project. The Institute receiving the grant should reflect the same in the audited statement of accounts/ utilization certificate and may either refund the interest amount to AICTE or AICTE shall adjust the same in the next installment of grant before its released.**
- b. Any unavoidable circumstantial change in the project with respect to name of Project Coordinator for the MODROB project would mandatorily require prior approval of the Council. All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council. Kindly mention the File No.9-1/RIFD/MOD/Policy-1/2019-20 in your future correspondence.
- c. The grantee shall maintain an audited record of assets acquired wholly or substantially out of the Grant-in-Aid

and a register of assets shall be maintained by the Institute in the prescribed form i.e.GFR-19.

- d. The College / Institute receiving grant under MODROB is expected to put up a plaque at the main entrance of the Lab/Department, which has been modernized using the grant. All the equipment procured through the project should be super scribed with AICTE project file number.
- e. The assets acquired wholly or substantially out of grant shall not be disposed or encumbered or utilized for the purpose other than those for which the Grant was given without proper sanction of the AICTE and should at any time the institution cease to function, such assets shall revert to the AICTE.
- f. The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/ Government of India from time to time. GOI GFR rules (@<https://doe.gov.in/order-circular/general-financial-rules2017-0>) should be followed during utilization of grant.

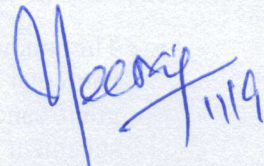
**List of Equipment's approved:**

Name of Equipments
TL-ACAD100
SIEMENS NXACAD100, SIEMENS NXACAD101, SCACAD100

Yours sincerely,  
  
Dr. Neeraj Saxena  
Advisor - II (IDC)

Copy forwarded for information and necessary action to:

1. **Name and Address of the Coordinator,**  
**Mr. PRASHANT HUMANABAD**  
**SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY,**  
**KRISHNADEVARAYANAGAR, HUNASAMARANAHALLI,**  
**VIA YELAHANKA BANGALORE - 562 157,562157**
2. **The Registrar / Director / Principal,**  
**Mr. PRASHANT HUMANABAD**  
**SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY,**  
**KRISHNADEVARAYANAGAR, HUNASAMARANAHALLI,**  
**VIA YELAHANKA BANGALORE - 562 157 562157**
3. **Guard File**

  
Dr. Neeraj Saxena  
Advisor - II (IDC)

Dated- 27<sup>th</sup> April, 2021

F. No.67- 15/IDC/GOC/POLICY-1/2020-21

**All India Council for Technical Education**  
(A Statutory body under Ministry of HRD, Govt. of India)  
**Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: [www.aicte-india.org](http://www.aicte-india.org)**



To

The Principal/ Director/ Registrar  
Sir M. Visvesvaraya Institute of Technology,  
Krishnadevaraya Nagar, Hunasamaranahalli,  
Via-Yelahanka, Bangalore, District-Bangalore Rural,  
Karnataka-562157

**Subject:** Intimation of approval of grant of Rs. 1,90,100/- (Rupees One lakh ninety thousand one hundred only) to conduct Conference under the scheme **Grant for Organizing Conference (GOC)-reg.**

**Sir/ Madam,**

With reference to the proposal submitted by your institute, this is to convey the sanction of the Council for grant of Rs. 1,90,100/- (Rupees One lakh ninety thousand one hundred only) to conduct Conference under the scheme **Grant for Organizing Conference (GOC)**, as per details given below:

1.	AQIS Application ID	1-9239170527
2.	Title of Conference	RAMEAF-2021
3.	Mode of Conference	Onsite Conferences (National)
4.	Name of Coordinator:	Dr. Prashant Humanabad
5.	Name of Co-Coordinator:	Halesh S B
6.	Grant-in-aid Sanctioned:	Rs. 1,90,100/-
7.	Amount to be released as 1 <sup>st</sup> instalment (50% of grant sanctioned:	Rs. 95,050/-

It is informed that due to the following circumstances/ reasons, release of 1<sup>st</sup> instalment is getting delayed:

- i. prevailing covid-19 situation
- ii. issues/ delay in mapping of institutes with AICTE (0917) on PFMS portal as Child agency.

However, efforts are being made to map the institutes on PFMS portal but release of 1<sup>st</sup> instalment of the grant may take some time. Therefore, if you would not receive the grant prior to date of the conference, you may organize the conference with your institute's budget (which may be gotten reimbursed as per point no. a below). In addition to the **terms and conditions** mentioned in the scheme document (**Copy enclosed**), the following **additional terms and conditions** are also required to be followed:

- a. **The grant from AICTE will be one-third (limited to Rs. 1,90,100/-) of the total expenditure incurred for organizing the Conference and rest amount i.e. two-third of total expenditure will be managed by institute itself.**
- b. No payment is permissible against the conference **already conducted** prior to receipt of this letter and such institutions are liable to refund the grant if these have no plan of conducting the conference ahead.
- c. **Onsite Conference is required to be conducted within twelve months and the Online Conference within six months, from the date of receipt of this letter.**
- d. **Any change in the programme for holding Conference, change of Coordinator name, Venue and Date should be effected only after prior approval of the Council, failing which the sanction for the grant already issued would be treated as automatically withdrawn.**
- e. The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/ Government of India from time to time. GOI GFR rules (@<https://doe.gov.in/order-circular/general-financial-rules2017-0>) should be followed during utilization of grant.
- f. In respect of international conference, additional guidelines at **Annexure-I (copy enclosed)** have to be followed.
- g. In respect of Online/ e-Conference, additional guidelines at **Annexure-II (copy enclosed)** have to be followed.
- h. This letter may be treated as Offer Letter for all purposes.

Yours sincerely,

**Paramjeet**  
Assistant Director (IDC)



Phone : 011-26131577 - 78, 80  
011-29581000

Website : www.aicte-india.org

**Shri Paramjeet**

Assistant Director (IDC)



सत्यमेव जयते

**अखिल भारतीय तकनीकी शिक्षा परिषद्**

( भारत सरकार का एक सांविधिक निकाय )

( मानव संसाधन विकास मंत्रालय, भारत सरकार )

नेल्सन मंडेला मार्ग, वसंत कुंज, नई दिल्ली-110070

**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**

(A Statutory Body of the Govt. of India)

(Ministry of Human Resource Development, Govt. of India)

Nelson Mandela Marg, Vasant Kunj, New Delhi-110070

F.No.67-15/IDC/GOC/Policy-1/2020-21

Dated: 04.08.2021

To,

**The Principal**

Sir M. Visvesvaraya Institute of Technology,  
Krishnadevaraya Nagar, Hunasamaranahalli,  
Via-Yelahanka, Bangalore, District-Bangalore  
Rural, Karnataka-562157

**Sub: - Approval to conduct the conference in online mode between Decmber-2021 to January-2022 under GOC Scheme.**

Sir,

I am to refer to your letter dated-08.07.2021 on the above quoted subject and to state that the Competent Authority has approved your request for organizing the conference in online mode between December-2021 to January-2022.

If the Conference is organized in online mode, the grant from AICTE will be Rs. 50,000/- or 1/3<sup>rd</sup> of the total expenditure incurred for organizing the e-conference, whichever is lesser. The balance amount along with the accrued interest thereon is required to be refunded to AICTE by Demand Draft in favour of Member Secretary, AICTE, New Delhi.

The conditions laid down in the scheme guidelines are to be strictly complied with.

Yours sincerely

**(Paramjeet)**

Copy forwarded for information and necessary action to:-

**Dr. Prashant Humanabad**

(Co-ordinator)

Sir M. Visvesvaraya Institute of Technology,  
Krishnadevaraya Nagar, Hunasamaranahalli,  
Via-Yelahanka, Bangalore, District-Bangalore  
Rural, Karnataka-562157



सूचना का  
अधिकार

**AICTE SPONSORED**  
**3<sup>rd</sup> NATIONAL CONFERENCE**  
*on*  
**“Recent Advancements in Mechanical Engineering and Allied Fields”**  
**(RAMEAF - 2021)**  
**17 - 19, January 2022**

**Registration Form**

1. Name: .....
2. Designation:.....
3. Institute:.....
4. Mailing Address:  
.....  
.....
5. Contact Number: .....
6. Email ID:.....

*Signature of the Applicant*

*Signature & Seal – Head of the Institute*

**For Registration:** <https://forms.gle/9RtMSoEdahJzrbJX9>



**Note:**

**\*\*NO REGISTRATION FEE, BUT PUBLICATION FEE HAS TO BE PAID BY THE AUTHOR(S) AS PER JOURNAL PUBLICATION CHARGES. \*\***

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Sri. K Syama Raju, Secretary, Sri KET  
Sri. Prabhakar Raju, Academic Chairman, Sri KET

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Dr. V R Manjunath, Principal, Sir MVIT

**CHAIRPERSON OF THE CONFERENCE**

Dr. K S Shanmukharadhya, HOD, Dept. of Mech. Engg., Sir MVIT

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Dr. V Krishnan, Scientist (Rtd.) NAL, Bengaluru.  
Dr. Shubha, Former Distinguished Scientist, CSIR, Bengaluru.  
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Dr. Shivaprasad C S, DGM, HAL, Bengaluru.  
Dr. Mallikarjunayya C Math, VTU RO - Kalaburgi.  
Prof. Shivakumar R, HOD-DME, Sharan Basava University.  
Dr. K M Satish, Professor and Head, DME - BMSIT&M.  
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Dr. Rajshekahar Mathapti, BKIT, Bhalki.  
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Dr. Arun S B, SIT Tumkur.  
Dr. Sangamesh C Godi, BMSCE, Bengaluru.  
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Dr. Srinath M K, NHCE, Bengaluru.  
Mr. Santosh S Nelgi, Sr. QA Engineer, NetAPP, Bengaluru.  
Mr. Nagaraj Samal, Manager, Cognizant, Hyderabad.  
Mr. Ashok Hugar, Sr. Associate Cognizant, Hyderabad.  
Mr. Mallikarjun H Sr. Associate Cognizant, Hyderabad.  
Mr. Gurucharan K, Functional Architect EAS-SAP, Cognizant, UK.

**RAMEAF – 2021**



**SRI KRISHNADEVARAYA EDUCATIONAL TRUST**  
**SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY**

Krishnadevarayanagar, Hunasamaranahalli, Yelahanka,  
International Airport Road, Bengaluru - 562 157

**AICTE SPONSORED**  
**3<sup>rd</sup> NATIONAL CONFERENCE**  
*On*  
**“Recent Advancements in Mechanical Engineering and Allied Fields”**  
**(RAMEAF – 2021)**

**ON-LINE MODE**

**17 - 19, January 2022**



**Organizing Secretary**

**Dr. Prashant S Humnabad**  
**Prof. S B Halesh**

**Organized By**

**Department of Mechanical Engineering**  
**SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY**  
**Bengaluru - 562 157**



### SRI KRISHNADEVARAYA EDUCATIONAL TRUST

Providing quality education through selfless service is the motto of Sri Krishnadevaraya Educational Trust. It was established in 1985 by a group of 19 philanthropists with the sole objective of imparting quality technical education. The professional colleges run by Sri KET include Sir M Visvesvaraya Institute of Technology (Sir MVIT), Krishnadevaraya College of Dental Sciences (KCDS) and Sir M V School of Architecture.

### SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

Sir M Visvesvaraya Institute of Technology, Bengaluru, is one of the leading technical institutes established in 1986, having completed its silver jubilee. The institute has spacious campus covering about 133 acres. The lush green ambience of Sir MVIT makes the campus, free from pollution. Sir M Visvesvaraya Institute of Technology is recognized by AICTE, New Delhi, approved by Government of Karnataka and is affiliated to Visvesvaraya Technological University (VTU), Belagavi, and ISO Certified. The institute offers undergraduate, postgraduate courses along with research and consultancy activities in most of the departments with provision for Ph.D.

### UNDERGRADUATE COURSES

- Mechanical Engineering
- Industrial Engineering and Management
- Civil Engineering
- Electrical and Electronics Engineering
- Electronics and Communication Engineering
- Telecommunication Engineering
- Computer Science and Engineering
- Information Science and Engineering
- Biotechnology Engineering

### POSTGRADUATE COURSES

- M.Tech in Computer Integrated Manufacturing
- M.Tech in Electronics and Communication
- M.Tech in Biotechnology
- Master of Computer Applications (MCA)
- Master of Business Administration (MBA)

### VISION OF THE INSTITUTE

- To be a centre of excellence in technical and management education concurrently focusing on disciplined and integrated development of personality through quality education, sports, cultural and co-curricular activities.
- To promote transformation of students into better human beings, responsible citizens and competent professionals to serve as a valuable resource for industry, work environment and society.

### MISSION OF THE INSTITUTE

- To impart quality technical education, provide state-of-art facilities, achieve high quality in teaching-learning and research and encourage extra and co-curricular activities.
- To stimulate in students a spirit of inquiry and desire to gain knowledge and skills to meet the changing needs that can enrich their lives.
- To provide opportunity and resources for developing skills for employability and entrepreneurship, nurturing leadership qualities, imbining professional ethics and societal commitment.
- To create an ambience and nurture conducive environment for dedicated and quality staff to upgrade their knowledge and skills and disseminate the same to students on a sustainable long term basis.
- To facilitate effective interaction with the industries, alumni and research institutions.

### ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in 1986 and has been recognized as R & D Centre by VTU, Belgaum, for carrying out Research activities leading to M.Sc. (Engg.) and Ph.D. Degrees. The department offers two UG programs namely, B.E.(Mechanical Engineering) and B.E. (Industrial Engineering and Management, started in 1995) and one PG program namely, M.Tech.(Computer Integrated Manufacturing, started in 2002). The sanctioned students' strengths of B.E. Mechanical Engineering are 120, B.E. Industrial Engineering and Management is 30 and M.Tech. CIM is 25. At present the Ph.D. scholars are working on Solid-State-Welding, Nanomaterials, Composite Materials and Alternative Fuels etc.

### VISION OF THE DEPARTMENT

- To become a leading learning centre in Mechanical Engineering.

### MISSION OF THE DEPARTMENT

- Enrich the undergraduate experience through experimental learning, and fostering a personalized and supportive environment for their overall development.
- Provide opportunities to develop talented and committed human resource to meet the needs of profession and society.
- Provide research and intellectual resources to address contemporary and complex problems of industry and research.

### OBJECTIVES OF THE CONFERENCE

Third National Conference on *“Recent Advancements in Mechanical Engineering and Allied Fields”* brings together leading academic scientists, researchers, engineers and industry professionals to exchange and share their experiences about the latest developments in the field of Mechanical Engineering and Allied Fields for various interdisciplinary engineering applications. This conference provides a platform to discuss the most recent innovations, trends and future challenges in the field of Mechanical Engineering and allied fields.

### CALL FOR PAPERS

Unpublished original research contributions are invited from prospective authors from industries, academic institutions, R&D organizations and professional engineers. Plagiarism should be below 20%.

**\*\*Selected Papers will be published in Scopus Indexed Journal – Journal of Mines, Metals & Fuels (JMMF).**

### INVITED LECTURE

1. **Dr. Sanjay Mavinkere R.** – Sr. Research Scientist (Specialist King Mongkut's University of Technology North Bangkok (KMUTNB), Thailand.
2. **Dr. Shivaprasad C S**, DGM, HAL, Bengaluru.
3. **Dr. Sangamesh C Godi**, Asst. Professor, DME - BMSCE, Bengaluru.
4. **Dr. Prashant S H**, Asst. Professor, DME – Sir MVIT, Bengaluru.
5. **Dr. Sachinkumar Patil**, Assoc. Professor, School of Mechanical Engineering – REVA University, Bengaluru.

### ORGANIZING COMMITTEE

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Prof. Kumar Swamy R  
Prof. Sampath Kumar L  
Prof. Madhu Kumar K  
Prof. Karthik M  
Prof. Asharani A

### IMPORTANT DATES

Submission of Abstract	20 <sup>th</sup> December 2021
Confirmation to Authors	22 <sup>nd</sup> December 2021
Submission of full length paper	31 <sup>st</sup> December 2021

### PUBLICATION FEE – Rs. 3,850/-

**Account Name : Sir MVIT RAMEAF – AICTE**  
**Account Number: 6346018365**  
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**Kotak Mahindra Bank Ltd., Sir MVIT Extension.**

### FOR ALL CORRESPONDENCES PLEASE CONTACT

**Dr. Hanamantraygouda M B**  
**Email :** hanumanthrayagowda\_mech@sirmvit.edu  
**Mobile:** 9886777735

**Prof. Veena B G**  
**Email :** veena\_mech@sirmvit.edu  
**Mobile:** 9743145907

## Conference Themes

### Smart and Sustainable developments In Materials

- Advanced High strength steels
- Biomaterials
- Ceramic Materials
- Characterization & Testing
- Composite Materials
- Dynamic Behavior of Materials and Structures
- Functional Materials
- High temperature & Cryogenic Materials
- Luminescence Materials and Its Applications
- Materials for Automotive, Energy & Environment
- Materials for Solid State Ion Batteries
- Nanomaterials / Nanotechnology
- Porous Materials and Their Applications
- Smart and Device Materials
- Smart Construction Materials
- Thermo Electric Materials

### Smart and Sustainable developments In Manufacturing

- CAD/CAM/CAE/CIM
- Computational Mechanics & Techniques
- Control and Automation
- Advanced Manufacturing
- High-Speed/Precision Machining & Inspection
- Industrial Robotics, Intelligent Systems and Automation
- Machine Vision / AI and ML
- Measurement Control Technologies
- Mechatronics, MEMS and Nanotechnology
- Modeling, Analysis & Simulation of Manufacturing Processes
- Production, Operations and Supply Chain
- Simulation and Optimization Techniques
- Surface Engineering
- Welding Technology
- Tribology
- System Dynamics and Vibration
- Product Design and Development

### Smart and Sustainable developments In Energy

- Alternative fuels
- Biogas and Biomass
- Energy Storage and other Storage Devices
- Future Energy Technologies
- Global warming & Green Energy Options
- Green Buildings
- Health and Environment
- Heat & Mass Transfer
- Hybrid vehicles & Integration
- Refrigeration & Air-conditioning
- Sustainable Product Development
- Thermal Energy
- Nonlinear Dynamics





Government of Karnataka

## Vision Group on Science and Technology

Department of Information Technology, Biotechnology and Science & Technology  
4th Gate, 7th Floor, M.S. Building, Dr. Ambedkar Veedhi, Bengaluru - 560 001  
Phone : 080-2203 2013, E-mail : visiongroup.st@gmail.com, Website : www.vgst.in

Dr. S.G. Sreekanteswara Swamy, Ph.D.  
Consultant

No: VGST/RGS-F/GRD-914/2019-20/2020-21/198

Date: 10.11.2020

To,  
Dr. Prashant S. Humnabad  
Assistant Professor,  
Department of Mechanical Engineering,  
Sri M Visvesvaraya Institute of Technology,  
Hunasamaranahalli, Yelahanka, International Air Port Road,  
Bengaluru - 562 157.

Dear Sir/Madam,

**Sub:** Intimation regarding the selection of the project under RGS/F scheme of VGST for FY 2019-20 – reg.

\*\*\*\*\*

**Greetings from the Department of Science and Technology, GoK & KSTePS and VGST,**

We are directed to inform you that your proposal entitled “Solid State Welding of Ferrous and Non-Ferrous Materials for Automobile and Aviation Industrial Application ” Submitted under the VGST scheme of RGS-F for the financial year 2019-2020 has been approved by the Government based on the recommendations of the Selection Committee, Vision Group on Science and Technology under the Chairmanship of Bharat Ratna Prof. CNR Rao, Honorary President, JNCASR.

The grant will be released to the Head of the institution by KSTePS. The Principal Investigator and Co Principal Investigator shall be responsible for completion of the stated objectives of the project. The Principal Investigator through the Institution Head shall have to submit the progress report once in three months without fail. The grant shall be used only for the purpose described in the grant application by following due procedures of KTPP Act.

The Government may terminate the grant at any stage, if it is not convinced about the proper utilization of grant and progress made. The total amount released or any unspent balance with accrued interest must be returned back to VGST. Any publications or other dissemination arising from research supported by VGST grants should be properly acknowledged.

A Memorandum of Agreement (MoA) is enclosed and same to be duly signed on Rs. 100/- stamp paper and submit to VGST before 25<sup>th</sup> November, 2020.

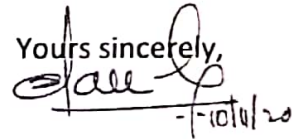
...2

The sanctioned grant will be sent through NEFT/RTGS to your institution. Hence, it is requested to send the following details on your intuitional letter head, sealed and signed by the authorized signatory, by post. A scanned copy of the same may also be sent to [visiongroup.st@gmail.com](mailto:visiongroup.st@gmail.com)

1. Account Name
2. Account Number
3. IFSC Number
4. Name of the Bank
5. Branch

We would like to personally congratulate and greet you for being selected for VGST program and we wish you a great success in the implementation of the project. For all your future correspondence, you may contact VGST office.

Thanking you and best regards,

Yours sincerely,  
  
-10/10/20

CC:

- 1) The Principal, Sri M Visvesvaraya Institute of Technology, Hunasamaranahalli, Yelahanka, International Air Port Road, Bengaluru - 562 157.
- 2) The Deputy Secretary to Govt., Dept. of Science and Technology, Room No. 305, 5<sup>th</sup> Floor, 5<sup>th</sup> Stage, M.S. Building, Dr. Ambedkar Veedhi, Bengaluru -560 001.
- 3) The Managing Director, Karnataka Science and Technology Promotion Society, Vijnana Bhavana, 3rd Floor, 24/2, 21st Main Road, Banashankari 2nd Stage, Bengaluru- 560070.
- 4) Dr. Hanumantraygowda M. B, Assistant Professor, Dept. of Mechanical Engineering, Sri M Visvesvaraya Institute of Technology, Hunasamaranahalli, Yelahanka, International Air Port Road, Bengaluru - 562 157.



K.R.E.D.L.

ಕರ್ನಾಟಕ ನವೀಕರಿಸಬಹುದಾದ ಇಂಧನ ಅಭಿವೃದ್ಧಿ ನಿಯಮಿತ  
KARNATAKA RENEWABLE ENERGY DEVELOPMENT LIMITED

(A Government of Karnataka Undertaking)

EE&EC/09/F-142/2020/3666

6-10-2020

The Principal,  
Sir M Visvesvaraya Institute of Technology  
International Airport Road, Hunasamaranahalli  
Yelahanka, Krishnadeveraya Nagar  
Bengaluru-562157



Sir/Madam,

**Sub: Request to arrange to furnish students' new project proposals on "Energy Conservation & Energy Efficiency" to KREDL for providing sponsorship.**

With reference to the above mentioned subject, it is to bring to your kind notice that the Karnataka Renewable Energy Development Limited (KREDL) is an organization working under the purview of Energy Department, Government of Karnataka and is also the "State Designated Agency" to Bureau of Energy Efficiency (BEE), a statutory body under Ministry of Power, Government of India, to co-ordinate, regulate and enforce the provisions contained in the Energy Conservation Act, 2001.

Energy saving has become a national cause and consequently it is essential for the students to have the knowledge of Energy Conservation & Energy Efficiency for mitigation of the CO<sub>2</sub> emission to the environment and for enabling the Country to meet its International commitments on climate change with regard to its Nationally Determined Contribution targets.

Under the BEE's State Energy Efficiency Research Programme, the KREDL has taken up a vital initiative with an object to provide a good platform to the Engineering college students and proposed to sponsor an amount of Rs. 1.00 Lakh to the new project proposal for those who are outstandingly equipped to restrict the wastage of electricity and improve the Energy Efficiency

..2

39, 'ಶಾಂತಿ ಗೃಹ', ಭಾರತ್ ಸ್ಕೌಟ್ಸ್ ಮತ್ತು ಗೈಡ್ಸ್ ಕಟ್ಟಡ,  
ಕೆ.ಆರ್. ಪೋಸ್ಟ್ ಮಾಸ್ಟರ್ ಜನರಲ್ ಕಛೇರಿ ಎದುರು,  
ರಾಮನ ರಸ್ತೆ, ಬೆಂಗಳೂರು - 560 001.

tel: 080-2220 8109, / 2220 7851, Fax: 080-2225 7399



To  
Dr. Mahesh  
to initiate this proposal  
17/10/20

# 39, "Shanthi Gruha",  
Bharath Scouts & Guides Building,  
Opp. the Chief Post Master General Office,  
Palace Road, Bangalore - 560 001.  
E-mail: kredlmd@gmail.com

CIN : U75112KA1996PLC020020

website: http://www.kredlinfo.in

in the various sectors or the project on the Internet of Things (IoT) related to Energy Conservation & Energy Efficiency (EE&EC).

Further, the College authority may please select the best one on "EE&EC" or "IoT" related to EE&EC project and prepare a synopsis including the approximate budget required to complete it within the college academic year.

The selected new project proposal shall be submitted to the KREDL for scrutiny, selection and release of the fund. **The steps for releasing of the fund are as detailed below:**

1. **50% of the project cost or the maximum of Rs. 50,000=00** whichever is lower shall be released in favor of the college authorities against the submission of the new project proposal.
2. **Balance 50% of the project cost or the maximum of Rs. 50,000=00** whichever is lower shall be released in favor of the college authorities against the completion of the entire project, submission of a copy of the project report, submission of the necessary bills for having purchased the items for the project and a request letter addressed to the Managing Director, KREDL for releasing of the fund duly certified and recommended by the college principal.

It is requested to please utilize the opportunity and intimate the students to come forward to explore their new ideas/technologies on Energy Efficiency Research and Outreach Programme.

Yours faithfully,



(Dr. H B. Budeppa)  
**Managing Director**



## Fwd: Sanction of sponsorship amount to the college bank account against the selected new project proposal on Energy Conservation & Energy Efficiency or IoT.

1 message

Mon, Dec 28, 2020 at 4:33 P

DR MAHESH SIRMVIT <drmaheshk\_eee@sirmvit.edu>  
 To: "Principal SIR.MVIT" <principal@sirmvit.edu>  
 Cc: SURESH HL <dr.hlsuresh\_eee@sirmvit.edu>

Dear Sir,

I am Happy to share this information that, Our new Project Proposal on " Energy Conservation & Energy Efficiency or IoT" submitted by 5th sem electrical and electronics students , As been selected and sum of Rs 1, 00,000/- ( Rupees one Lakh only) Sponsorship amount is been granted for execution of this project from KREDL.

The amount is released in two Phases, as part of first phase Rs 50,000/- , is credited to the principal account.  
 In this regard , I like to thank yourself( Principal) and HOD-EEE dept for the support and Encouragement.  
 The Email confirmation is attached herewith.

Regards,

Dr. Mahesh. K

Professor, Department of Electrical &amp; Electronics Engineering

Sir M Visvesvaraya Institute of Technology

Krishnadevaraya Nagar,

Hunasamaranahalli, Yelahanka,

Bangalore-562157.

900119252

Mail(P):dr.maheshkgowda@gmail.com

E-mail(O):drmaheshk\_eee@sirmvit.edu

----- Forwarded message -----

From: Kredi Ltd &lt;kredl09ec@gmail.com&gt;

Date: Mon, Dec 28, 2020 at 4:08 PM

Subject: Sanction of sponsorship amount to the college bank account against the selected new project proposal on Energy Conservation &amp; Energy Efficiency or IoT.

To:

Dear Sir/ Madam,

With reference to the above subject, it is to inform your kindself that, the new project proposal submitted by yours college is considered by KREDL and the 50% of the project cost or the maximum of Rs. 50,000=00 sponsorship amount has been credited to the bank account on 24/12/2020. which was submitted by the college.

Further, the balance 50% of the project cost or the maximum of Rs. 50,000=00 whichever is lower shall be released in favor of the college authorities against the completion of the entire project, submission of a copy of the project report, submission of the necessary bills for having purchased the items for the project and a request letter addressed to the Managing Director, KREDL for releasing of the fund duly certified and recommended by the college principal.

Hence, it is requested to utilize the first phase sanctioned amount to carry the project on Energy Conservation & Energy Efficiency or IoT.

Thanks &amp; Regards,

Energy Conservation & Energy Efficiency Section  
 Karnataka Renewable Energy Development Limited

## **KREDL Project Summary Report**

### **“AUTOMATED LIGHTING CONTROL SYSTEM WITH SMART ENERGY METER USING IOT AND AI IN ELECTRICAL MACHINES LAB – SIR MVIT”**

In developing countries like India, the demand for energy always keeps increasing due to the steady state increase in population of the developing countries. Hence there is a clear need to use the available energy efficiently. While the use of renewable sources of energy is booming in order to minimize the dependency on fossil fuels, managing the already available energy in an efficient and conservative manner is a challenge we need to face head on. This project aims to bring a solution to this problem. With the implementation of an IOT based system, we are able to turn ON or OFF the lights whenever there is a motion detected from humans. We also propose a real time Smart Energy Meter using IOT that helps us to monitor and control the energy consumption of a particular area. Further we propose a system that detects humans with the help of Artificial Intelligence.



# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru - 560 012

Website: <http://www.kscst.tisc.ernet.in/spp.html> || Email: [spp@kscst.tisc.ernet.in](mailto:spp@kscst.tisc.ernet.in) || Phone: 080-23341652, 23348940/48/49

## 44th Series of Student Project Programme: 2020-21

List of Student Project Proposals Approved for Sponsorship

### 148. SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU

Sl No.	PROJECT REFERENCE No.	PROJECT TITLE	BRANCH	COURSE	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	SANCTIONED AMOUNT (IN Rs.)
882	44S_BE_3151	TANAY SATHI : A MOBILE BASED APPLICATION TO MANAGE COVID RELATED STRESS	BIOTECHNOLOGY	BE	DR. H.G. MAGESHRA DR. GIRINATH G PILLAI	MR. SATYAJ PANDIT MS. SRIVIDYA SUBASH MR. KOUSSHIK BONNEPALLY	3000.00
883	44S_BE_3445	TOMATO CROP HEALTH EVALUATION	BIOTECHNOLOGY	BE	DR. H.G. MAGESHRA	MR. AKSHATHA CHAMPAVARTHY MR. SMRITHI RAMMOORTHY	4500.00
884	44S_BE_3448	SUPER CRITICAL FLUID EXTRACTION OF SANDALWOOD SEED OIL FOR PURIFICATION OF XANTHINIC ACID, AN ANTI-AGEING COMPONENT.	BIOTECHNOLOGY	BE	DR. H.G. MAGESHRA MR. DEEPA H N	MS. SAHANA B T MS. PRATHESHA MS. SAHANA S MS. YASHASWINI A	6000.00
885	44S_BE_3450	STUDY ON SMART IRRIGATION SYSTEM IN CHIKKABALLAPUR TALUK KARNATAKA	CIVIL ENGINEERING	BE	DR. SHIVARAJ S MR. VISHWANATH R	MR. NAVYAR MR. ASHAB MR. CHANDANYA M R MR. RITHUSHREE C	4000.00
886	44S_BE_3453	GREEN JOINING TECHNOLOGY TO JOIN DISSIMILAR MATERIALS USED IN AEROSPACE AND AUTOMOBILE INDUSTRIAL APPLICATIONS	MECHANICAL ENGINEERING	BE	DR. PRASHANT S KUMARAPAD	MR. BEERABAYA MR. PAVAN S K MR. ARCHANA C MR. PRODEEP M S	8000.00
887	44S_BE_3457	INVISIBLE EYE	TELECOMMUNICATION ENGINEERING	BE	DR. E. KANTHA	MR. SHARAD RAVIJANURU MR. UJJVAL KUMAR MR. ASHUTOSH KUMAR MR. SHASHANK SHARVA	6000.00
888	44S_BE_3459	A LOW COST ROBUST ELECTRO-MECHANICAL DRY AND NET CLEANING ROBOT	ELECTRICAL AND ELECTRONICS ENGINEERING	BE	DR. NUSAVANB R	MR. MOHAMED AL RASEED MR. MAHDI KUMAR P G MR. NAVEEN KUMAR K MR. GERAVANNAVAR MR. RITHESH KUMAR T R	6000.00
889	44S_ITECH_132	LARGE SCALE SUPER CRITICAL FLUID EXTRACTION OF SLYBARIN OIL & TASTE, TO BE USED AS A HEPATO-PROTECTANT AND NUTRITIONAL FEED SUPPLEMENT IN PULTRY FEED	BIOTECHNOLOGY AND BIOCHEMICAL ENGINEERING	U.Tech	DR. H.G. MAGESHRA MR. PRIYANKA R	MS. SUSHREE CHINNAVEENAYAK MS. PRATHESHA MS. SAHANA S MR. DARSHAN B M	6000.00

Note:  The sanctioned amount will be credited to the college bank account by NEST

The evaluation of above projects will be conducted during July / Aug 2021 (tentative mode)

Participation in the online evaluation process and submission of laboratory of the final project report is mandatory failing to which the sanctioned project will be withdrawn from the list and sanctioned amount shall be returned to KSCST

After completion of the process, academy (PPG) formed in a college (P) of the project needs to be notified to KSCST with full details

Any corrections with respect to the names of the guide and student should be requested to [spp@kscst.tisc.ernet.in](mailto:spp@kscst.tisc.ernet.in)