



Manjula G.R

## Karnataka Science and Technology Promotion Society

Dept. of Information Technology, Bio Technology and Science & Technology, GoK  
"Vijnana Bhavan", 3<sup>rd</sup> Floor, #24/2, 21<sup>st</sup> Main Road, Banashankari 2<sup>nd</sup> Stage, Bangalore-70  
Ph/fax : 080-26711166, E-mail : ksteps.dst@gmail.com

**Dr. H. Honne Gowda**  
**Special Secretary (Technical),**  
**Dept. of IT, BT and S&T, Gok/**  
**Managing Director, KSTePS**

No. KSTePS/VGST-CISEE/2018-19/GRD No.749/315

Date: 17.07.2019

Dear Sir/Madam,

**Sub: Intimation of selection of the project under the VGST scheme of CISEE – reg.**

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Greetings from the Department of Science and Technology, GoK & KSTePS. We are pleased to inform you that the project titled "Design and Implementation of Steganographic Techniques in Live Multimedia" submitted under the VGST scheme of CISEE for the financial year 2018-'19 has been approved by the Government based on the recommendations of Vision Group on Science and Technology under the Chairmanship of Bharat Ratna Prof. CNR Rao, Honorary President, JNCASR.

The total project grant award for a period of 3 years is Rs. 30.00 lakh, which will be released annually @ Rs. 10.00 lakh based on the progress of work. You are requested to take an immediate action to initiate the project at the earliest and to be completed within 3 years after receiving the grant of 1<sup>st</sup> installment from our office.

The grant will be paid to the Head of the institution, under whose supervision the 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 in soft copy once in 6 months without fail. The grants shall be used only for the purposes described in the grant application by following due procedures of KTPP Act. Any deviation from the scheduled plan must have a prior approval from the VGST.

Future release of grants will be based on satisfactory project performance and review. The funding agency has the right to terminate the project, if it is found to be not satisfactorily pursuing and fulfilling the stated project goals and objectives. The whole amount sanctioned or any unspent balance must be returned back to the funding agency within 60 days following the final report of the project. Any publications or other dissemination arising from research supported by VGST grants should be acknowledged.

Dr. S. G. Sreekanteswara Swamy, Consultant, VGST will be the nodal officer for all future correspondences related to the project. His contact details are given below:

Vision Group on Science and Technology,  
Department of IT, BT and S & T,  
Room No. 702, 7<sup>th</sup> Floor, 4<sup>th</sup> Gate,  
M.S. Building, Dr. Ambedkar Veedhi,  
Bengaluru – 560 001.  
Phone : 080-2203 2013  
Email : [visiongroup.st@gmail.com](mailto:visiongroup.st@gmail.com)  
Website : [www.vgst.in](http://www.vgst.in)

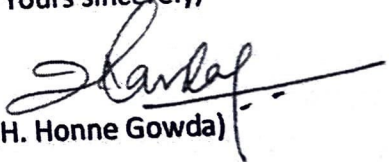
The sanctioned grant will be sent through NEFT/RTGS to your institution. Hence, it is requested to send the following bank details on your intuitional letter head, sealed and signed by the head of the institution, by post. A scanned copy of the same may be sent through E-mail: [ksteps.dst@gmail.com](mailto:ksteps.dst@gmail.com) & [visiongroup.st@gmail.com](mailto:visiongroup.st@gmail.com) for swift process.

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

After receiving the grant to the institute, you are suppose to open a new saving bank account in the name of VGST scheme & get the grant transferred from the institution's main account. I would like to personally thank and greet you for being selected as one of the VGST program members and we wish you a great success in the implementation of the project.

Thanking you,

Yours sincerely,

  
(H. Honne Gowda)

To,  
Dr. Manjula G R  
Associate Professor  
Department of Computer Science and Engineering  
Jawaharlal Nehru National College of Engineering  
Savalanga Road, Navule, Shivamogga - 577 204.

CC:

- 1) The Principal, Jawaharlal Nehru National College of Engineering, Savalanga Road, Navule, Shivamogga - 577 204.
- 2) 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) Dr. S. G. Sreekanteswara Swamy, Consultant, Vision Group on Science and Technology, Department of IT, BT and S & T, Room No. 702, 7<sup>th</sup> Floor, 4<sup>th</sup> Gate, M.S. Building, Dr. Ambedkar Veedhi, Bengaluru -560 001.





**Jawaharlal Nehru New College of Engineering(JNNCE), Shivamogga**

**ಜವಾಹರ್‌ಲಾಲ್ ನೆಹರು ನ್ಯೂ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ, ಶಿವಮೊಗ್ಗ**

(Approved by A.I.C.T.E.New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC - 'B', NBA Accredited UG Programs : CE, ME, EEE, ECE, CSE, ISE, ETE for the period : 01.07.2019 to 30.06.2022, Recognised by Govt. of Karnataka and Affiliated to VTU, Belagavi)

Ref. No.: JNNCE/

**ANNEXURE -7**

**UTILIZATION CERTIFICATE**

**GRD NO : 749**

**SCHEME : VGST Grants - CISEE**

**PROJECT TITLE: "Design and Implementation of Steganographic Techniques in Live Multimedia"**

Sl.No.	Details	Amount
1	Previous year Balance (Opening Balance (OB),If any )	0-00
2	Grants Received (UTR No-SBINR52019120400064455 Dated- 04.12.2019)	10,00,000-00
3	Bank Interest (If any)	24,167-00
4	Total Available Grants(1+2+3)	10,24,167-00
5	Actual Grants Utilized (Statement of Expenditure Enclosed)	9,64,446-00
6	Unspent Balance(4-5)	59,721-00

Certified that Rs.10,00,000/- (Ten Lakhs Only) of grant-in-aid under VGST Grants- CISEE was released by Karnataka Science and Technology Promotion Society (KSTePS) in favour of J N N College of Engineering, Shivamogga. Vide letter No/VGST/CISEE/2018-19/GRD-749/29/2019-20 Date:11.12.2019 as stated above during the year 2019-20 The above grant was sanctioned towards Project Title "Design and Implementation of Steganographic Techniques in Live Multimedia".

Out of sanctioned grants, a sum of Rs.9,64,446/- (Nine Lakh Sixty-four Thousand Four Hundred Forty-six only) has been utilized for the purpose of which it was sanctioned and Rs. 59,721/- (Fifty-Nine Thousand Seven Hundred Twenty-one Only) along with the interest remained unutilized at end of the financial year 2020-21 to be carried forward (if the program is continued) or to be refunded (if the program is completed) whichever the case is applicable. Expenditure incurred for the purpose for which the grant was sanctioned is verified with the vouchers produced before me.

Certified that I have satisfied myself that the conditions on which the grant-in-aid was sanctioned have been fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

*Manjula*  
Signature and Address of  
the Project Coordinator

For A. Narasimha Murthy & Co.,  
Chartered Accountants

*CA. Sharath*  
CA. Sharath  
Proprietor

M. No. 214269,  
Firm Reg. No: 0111075

Signature with Seal  
Chartered Accountant  
(FRN: &M.No)

UDIN: 21214269 AAAADN3462  
Date: 18/03/21

*04/03/21*  
Signature of the Head of  
Institution and Seal  
Principal  
Jawaharlal Nehru National  
College of Engineering, Shivamogga.

**Dr. Manjula. G.R.** M.Tech., Ph.D.,  
Associate Professor  
Dept. of Computer Science & Engg.  
J.N.N. College of Engineering  
SHIVAMOGGA-577 204

ನವುಲೆ, ಶಿವಮೊಗ್ಗ - 577 204, ಕರ್ನಾಟಕ  
**Navule, Shivamogga - 577 204, Karnataka**

E - mail : principal@jnnce.ac.in Website : www.jnnce.ac.in  
08182 - 276707 / 08 / 09,270450, 268800 / 1, Fax : 08182 - 222450



**Statement of Expenditure for the Project Title "Design and Implementation of Steganographic Techniques" - VGST Grants - CISEE.**

Sl. No.	Particulars	Total Expenses (Rs.)
1	Total Grants Received (Including Opening Balance & Bank Interest) (10,00,000+24,167)	10,24,167-00
<b>➤ Expenditure Break Up (Each Item wise as approved and sanctioned of Non-Recurring and Recurring Equipment)</b>		
<b>Non-Recurring (NRE)</b>		<b>Amount</b>
NR1	Computers with Software's	3,47,800-00
NR2	Lab View Software & SDR kit Bundle	5,18,634-00
	Raspberry PI4 8GB Equipment & 24 Port Switch	41,796-00
<b>A</b>	<b>Total of Non-Recurring Expenditure</b>	<b>9,08,230-00</b>
<b>Recurring (RE)</b>		<b>Amount</b>
RE1	Spare parts & Misc Expenses	52,676-00
RE2	Misc Expenses	3,540-00
<b>B</b>	<b>Total of Recurring Expenditure</b>	<b>56,216-00</b>
2	Total Expenditure (A +B)	9,64,446-00
3	Unspent Balance (1-2)	59,721-00

**Kind of checks exercised:**

1. Vouching
2. Bank Reconciliation
3. Supporting Bills

**CERTIFICATE**

Certified that we have verified the disbursement of Rs.9,64,446/- (Nine Lakh Sixty-Four Thousand Four Hundred Forty-Six Only) towards VGST Grants as mentioned above.

We have exercised the verification of vouchers and supporting documents to see that the money was actually utilized for the purpose for which it was sanctioned.

Place:  
Date:

*Manjula*  
Signature and Address of  
the Project Coordinator

**Dr. Manjula. G.R.** M.Tech., Ph.D.,  
Associate Professor  
Dept. of Computer Science & Engg.,  
J.N.N. College of Engineering  
SHIVAMOGGA-577 20.

For A. Narasimha Murthy & Co.,  
Chartered Accountants

*Sharath*  
CA. Sharath  
Proprietor  
M. No. 214269,  
Firm Reg. No: 011107S

Signature with Seal  
Chartered Accountant  
(FRN: &M.No)

UDIN: 21214269AAAADN3462  
Date: 18/03/21

*204203/21*  
Signature of the Head of  
Institution and Seal  
Principal  
Jawaharlal Nehru National  
College of Engineering, Shivamogga.





(Approved by A.I.C.T.E.New Delhi, Recognised by Govt. of Karnataka and Affiliated to VTU, Belagavi Certified by UGC 2f & 12B,  
 Accredited by NAAC - 'B', NBA Accredited UG Programs : CE, ME, EEE, ECE, CSE, ISE, ETE for the period : 01-07-2022 to 30-08-2025)  
 E - mail : principal@jnnce.ac.in Website : www.jnnce.ac.in ☎ : 08182 - 276707 / 08 / 09,270450, 268800 / 1, Fax : 08182 - 222450

**ANNEXURE -7**

Ref. No.: JNNCE/

**UTILIZATION CERTIFICATE**

(Period: 24/06/2022 to 28/11/2022)

**GRD NO: 749**

**SCHEME: VGST Grants - CISEE**


**PROJECT TITLE: "Design and Implementation of Steganographic Techniques in Live Multimedia"**



Sl. No.	Details	Amount
1	Previous year Balance (Opening Balance (OB),If any )	59,721-00
2	Grants Received (UTR No-SBINR52022062490858399 Dated- 24/06/2022)	9,75,833-00
3	Bank Interest (If any)	12,917-00
4	Total Available Grants(1+2+3)	10,48,471-00
5	Actual Grants Utilized (Statement of Expenditure Enclosed)	10,35,554-00
6	Unspent Balance(4-5)	12,917-00

Certified that Rs.9,75,833/- (Nine Lakhs Seventy-Five Thousand Eight Hundred thirty-three Only) of grant-in-aid under VGST Grants- CISEE was released by Karnataka Science and Technology Promotion Society (KSTePS) in favour of Principal, J N N College of Engineering, Shivamogga vide letter No.No/VGST/CISEE/2018-19/GRD-749/29/2019-20/29/507 Date:29.06.2022 as stated above during the year 2022-23 The above grant was sanctioned towards Project Title "Design and Implementation of Steganographic Techniques in Live Multimedia". Out of sanctioned grants, a sum of Rs.10,35,554/- (Ten Lakh Thirty-Five Thousand Five hundred Fifty-Four only) has been utilized for the purpose of which it was sanctioned and Interest amount of Rs.12,917/- (Twelve Thousand Nine Hundred Seventeen Only) remained unutilized at end of the financial year 2022-23 to be carried forward (if the program is continued) or to be refunded (if the program is completed) whichever the case is applicable. Expenditure incurred for the purpose for which the grant was sanctioned is verified with the vouchers produced before me.

Certified that I have satisfied myself that the conditions on which the grant-in-aid was sanctioned have been fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

  
 9/01/23  
 Signature and Address of  
 the Project Coordinator  
**Dr. Manjula. G.R.**, M.Tech., Ph.D.,  
 Professor  
 Dept. of Computer Science & Engg.  
 J.N.N. College of Engineering  
 SHIVAMOGGA-577 204

For A. Narasimha Murthy & Co.,  
 Chartered Accountants  
  
 CA. Sharath  
 Proprietor  
 M. No. 20119,  
 Firm Reg. No: 0111075  
 Signature with Seal  
 Chartered Accountant  
 (FRN: &M.No)

  
 Signature of the Head of  
 Institution and Seal  
  
 Principal  
 Jawaharlal Nehru New  
 College of Engineering (JNNCE)  
 Shivamogga

UDIN: 23214269B6K6BV7883  
 Date: 10-01-2023

**FINANCIAL STATUS PROFORMA (FSP)**

Name of Educational Institution	J N N College of Engineering, Shivamogga
Name of the Department	CS & E
Name of the Programme Co-ordinator (PC)	Dr. Manjula G R
Project Title	"Design and Implementation of Steganographic Techniques in Live Multimedia"
VGST Grant Allocation Year	Phase 2 : 24/06/2022
Date of Completion of Project Work	June 2023
Allocation (Rs. in lakh)	10 Lakhs

**BANK DETAILS**

NAME OF THE BANK & ADDRESS	Canara Bank, JNNCE Campus Shimoga
NAME OF THE A/C HOLDER	Principal JNNCE
BRANCH & PLACE	JNNCE Campus, Shivamogga
ACCOUNT NUMBER	6322101000028

**EXPENDITURE DETAILS**

NON RECURRING	10,00,000-00
RECURRING	35,554-00
TOTAL SPENT	10,35,554-00
UNSPENT	0-00
INTEREST EARNED	12,917-00
BALANCE	12,917-00

*Manjula* 9/01/23  
Signature and Address of  
the Project Coordinator  
**Dr. Manjula. G.R.** M.Tech., Ph.D.,  
Professor  
Dept. of Computer Science & Engg.  
J.N.N. College of Engineering  
SHIVAMOGGA-577 204

For A. Narasimha Murthy & Co.,  
Chartered Accountants  
*AmB*  
CA. Sharath  
Proprietor  
M. No. 214269,  
Firm Reg. No: 011107S  
Signature with Seal  
Chartered Accountant  
(FRN: &M.No)

*Manjula*  
Signature of the Head of  
Institution and Seal  
Principal  
Jawahar Lal Nehru New  
College of Engineering (JNNCE)  
Shivamogga  
*Manjula*

UDIN: 2321426986X6BV7883

Date: 10-01-2023



**Statement of Expenditure for the Project Title "Design and Implementation of Steganographic Techniques" - VGST Grants - CISEE.**

Sl. No.	Particulars	Grants Amount (Rs.)	Total Expenses (Rs.)
1	Opening balance		
2	Grants Received	59,721-00	
3	Interest Received	9,75,833-00	
		12,917-00	
	<b>Total Available (A)</b>	<b>10,48,471-00</b>	
4	Expenditure (Break Up)		
	<b>Non-Recurring (NRE)</b>		<b>Amount</b>
NRI	Workstation (Computers)		10,00,000-00
	<b>Total of Non-Recurring Expenditure</b>		<b>10,00,000-00</b>
	<b>Recurring (RE)</b>		<b>Amount</b>
REI	Contingency Expenses		35,554-00
	<b>Total of Recurring Expenditure</b>		<b>35,554-00</b>
	<b>Total Expenditure (B)</b>		<b>10,35,554-00</b>
	<b>Unspent Balance (A-B)</b>	<b>12,917-00</b>	

**Kind of checks exercised:**

1. Vouching
2. Bank Reconciliation
3. Supporting Bills

**CERTIFICATE**

Certified that we have verified the disbursement of Rs.10,35,554-00/- (Ten Lakh Thirty-Five Thousand Five hundred Fifty-Four only) towards VGST Grants as mentioned above.

We have exercised the verification of vouchers and supporting documents to see that the money was actually utilized for the purpose for which it was sanctioned.

Place: Shivamogga

Date:

For A. Narasimha Murthy & Co.,  
Chartered Accountants

*Shulb*  
CA. Sharath  
Proprietor  
M. No. 214269,  
Firm Reg. No: 011107S

*[Signature]*  
Signature of the Head of  
Institution and Seal  
Principal  
Jawaharlal Nehru New  
College of Engineering (JNCE)  
Shivamogga

**Signature with Seal**  
Chartered Accountant  
(FRN: &M.No)

UDIN: 23214269 B6 XG BV7883

Date: 10-01-2023

*Manjula*  
Signature and Address of  
the Project Coordinator  
Dr. Manjula. G.R. M.Tech., Ph.D.,  
Professor  
Dept. of Computer Science & Engg.  
J.N.N. College of Engineering  
SHIVAMOGGA-577 204

National Education Society (R.), Shivamogga  
**J N N College of Engineering, Shivamogga**


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**KSTePS VGST Grant**

**PROJECT TITLE: "Design and Implementation of Steganographics Techniques in Live Multimedia"**

**Receipts and Payments for FY 2022-23**

Receipts	Amount	Amount	Payments	Amount	Amount
<b>Opening Balance</b>			<b>VGST Grant Expenses</b>		
Unspent Balance	35,554		Computers & Software	10,00,000	
Interest Unspent Balance	24,167	59,721	Contingency	35,554	10,35,554
<b>Funds from KSTePS VGST Grants</b>		9,75,833			
No/VGST/CISEE/2018-19/GRD-749/29/2019-20/29/507					
Date:29.06.2022					
<b>Bank Interest as per calculation</b>		12,917	<b>Closing Balance</b>		
			Unspent Balance	-	
			Interest Unspent Balance	12,917	12,917
<b>Total</b>		<b>10,48,471</b>			<b>10,48,471</b>

  
**Signature of  
Coordinator**

**Dr. Manjula. G.R.** M.Tech., Ph.D.,  
Professor  
Dept. of Computer Science & Engg.  
J.N.N. College of Engineering  
SHIVAMOGGA-577 204


  
**Signature of  
Account Officer**

  
**Signature of  
Head of Institution**

Principal  
Jawaharlal Nehru New  
College of Engineering (JNCE)  
Shivamogga

  
**Signature of  
Chartered Accountant**

For A. Narasimha Murthy & Co.,  
Chartered Accountants

  
CA. Sharath  
Proprietor  
M. No. 214269,  
Firm Reg. No: 011107S

**Date:**

UDIN: 23014269BGKGBN7863

Date: 10-01-2023





National Education Society \*

Jawaharlal Nehru National College of Engineering

Shivamogga- 577 204

Internal Quality Assurance Cell [IQAC]

Centre for Agricultural and Rural Technologies [CART]

## JNNCE CART – Selected Projects 2019

Following Projects are selected by Expert Committee:

Sl No	JNNRIC Grant No	Name of the project	Faculty	Student	Dept	Amount (in INR)
1	JNN-CART-2019/01	Multipurpose Hybrid Sprayer	Dr.E.Basavaraj	Jaswanth T S (8 <sup>th</sup> sem)	Mech	25,000
2	JNN-CART-2019/02	Arecanut Plucker cum Sprayer	Dr.E.Basavaraj	Vinayak M.B (8 <sup>th</sup> sem)	Mech	18,000
3	JNN-CART-2019/03	Design and fabrication of MiniTrencher	Dr.Sabeel Ahmed	Shireesha Hebbar (8 <sup>th</sup> sem)	Mech	20,000
4	JNN-CART-2019/04	Trenching Machine	Dr.E.Basavaraj	Vinayak Gangoji (6 <sup>th</sup> sem)	Mech	29,000
5	JNN-CART-2019/05	5) Hydrophobic sand to combat water scarcity in irrigation	Mrs.Chaya	Akshatha G R (8 <sup>th</sup> sem)	Civil	25,000

**Congratulations to the selected project team and wish you all the best!**

The guidelines, terms & conditions will be sent to Principal Investigator through email and send the signed copy of the agreement within one week from the date of sanction of the project.

Principal



# KARNATAKA NEW AGE INCUBATION CENTRE

(Sponsored by KBITS, Government of Karnataka)

NATIONAL EDUCATION SOCIETY (R)

**Jawaharlal Nehru National College of Engineering**

(Approved by A.I.C.T.E., Affiliated to Visvesvaraya Technological University)

Navule, SHIVAMOGGA -577204, Karnataka

Mobile: +91 7204165939 Ph.: 08182-276707/08/09 Fax: 08182-222450



Ref No: JNNCE/NAIN/

Date: 03-07-2017

## PROJECT APPROVAL CERTIFICATE:

We hereby certify that the project proposal titled "Pervious Concrete for Paver's blocks & Parking Lots" submitted by Syed shoib ur-rehaman (4JN13CV106), Vishnu R P (4JN13CV124), Arjun Pai M.R (4JN13CV132) and Jayanth K.S (4JN14CV406) under the guidance of Mr. Neeraj S.N. Asst. professor, Dept of Civil Engineering to the New Age Incubation Network Centre, JNNCE, Shivamogga was accepted by KBITS through ICTSDS, Govt of Karnataka. They have been working on this project in the incubator from August 2016. The project is yet to be completed and submitted to the incubator by the team.

Mallesha Kumar K S

Regional Coordinator

J.N.N.College of Engineering,

Shivamogga, Karnataka.

Dr. Manjunatha P

College Coordinator

J.N.N.College of Engineering,

Shivamogga, Karnataka.

Dr. H R Mahadevaswamy

Principal

J.N.N.College of Engineering,

Shivamogga, Karnataka



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## Centre for Innovation & Entrepreneurship

NewGen Innovation, Entrepreneurship Development Centre(NewGen IEDC)

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### NewGen IEDC – Selected Projects 2019

Following Research/Projects are selected by Expert Committee:

Sl No	JNNRIC Grant No	Name of the project	Faculty	Student	Dept	Amount (in INR)
1	JNN-IEDC-2019/01	Biometric Based Bus Ticket	Dr. Manjunath P	5th Sem	ECE	160,000.00
2	JNN-IEDC -2019/02	Automation Unit for Industrial Appliances	Mr. Abhijith N	5th Sem	ECE	200,000.00
3	JNN-IEDC -2019/03	Study and Implementation of Interline Custom Power Devices (ICPD)	Dr. Thejaswi A H, Mr. Veerasha K B	5th Sem	EEE	200,000.00
4	JNN-IEDC -2019/04	IIOT Based Process Automation	Dr. Manjunath P, Mr. Pradeepa S C	5th Sem	ECE	245,750.00
5	JNN-IEDC -2019/05	Design & Fabrication of Prototype bio-reactor Plant for Bio-Ethanol Production from Samanea Samman Fruits (Rain Tree fruits)	Chethan S G	3rd Sem	ME, Chem	200,000.00
6	JNN-IEDC -2019/06	Self Checkout App	Malleshkumar K S	3rd Sem	CSE	180,000.00
7	JNN-IEDC -2019/07	Pervious Concrete for Paver Blocks & Slabs	Neeraj S N	7th Sem	Civil	245,000.00
8	JNN-IEDC -2019/08	Data Management of Milk Dairy using Cloud Application's	Anil Kumar J	7th Sem	ECE	145,000.00

**Congratulations to the selected project team and wish you all the best!**

The guidelines, terms & conditions will be sent to Principal Investigator through email and send the signed copy of the agreement within one week from the date of sanction of the project.

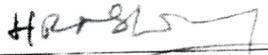

Principal

# **Jawaharlal Nehru National College of Engineering, Shimoga**

## **Karnataka New Age Incubation Network Centre**

For the selection of Batch 4 Incubates, Innovative Project proposals were invited from faculties, students, Alumni & Research scholars in the month of March 2018. We had received around 50 proposals in the Entrepreneurship Boot Camp/Pre-Hackathon. Later we had scrutinized & uploaded best 15 ideas to the portal for the selection process by the State level selection committee. Results of the same were released on 11<sup>th</sup> March 2019. There will be a funding of upto Rs. 3.00 Lakhs per Project for implementation. Teams will be having one calendar year time for implementing their projects into real time products. Patent filing, Startup Registration etc., upto 10<sup>th</sup> March 2020.

All the Head of the Departments & Project Guides are hereby informed to go through the attached Batch 4 results and to support & motivate the selected students for successful project implementation in every stage. For further details contact the Regional Coordinator Mr. Mallesh Kumar K S.



  
Dr. H R Mahadevaswamy  
Principal 

# **Jawaharlal Nehru National College of Engineering, Shimoga**

## **Karnataka New Age Incubation Network Centre**

For the selection of Batch 4 Incubates, Innovative Project proposals were invited from faculties, students, Alumni & Research scholars in the month of March 2018. We had received around 50 proposals in the Entrepreneurship Boot Camp/Pre-Hackathon. Later we had scrutinized & uploaded best 15 ideas to the portal for the selection process by the State level selection committee. Results of the same were released on 11<sup>th</sup> March 2019. There will be a funding of upto Rs. 3.00 Lakhs per Project for implementation. Teams will be having one calendar year time for implementing their projects into real time products. Patent filing, Startup Registration etc., upto 10<sup>th</sup> March 2020.

All the Head of the Departments & Project Guides are hereby informed to go through the attached Batch 4 results and to support & motivate the selected students for successful project implementation in every stage. For further details contact the Regional Coordinator Mr. Mallesh Kumar K S.

  
Dr. H R Mahadevaswamy  
Principal 

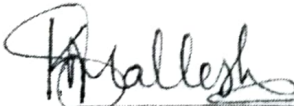


# Jawaharlal Nehru National College of Engineering, Shivamogga


## Karnataka New Age Incubation Network Centre

### NAIN BATCH-4 Projects List:

Sl. no	Project Title	Principal Applicant & Department	Guide/Mentor
1	DRUSHTI-Eye controlled HMI for disabled persons	Jahnvi K S CSE	Mr. Chethan K R, Asst. Prof., Dept. of CSE
2	Agro Security	Rehanashri G R CSE	Mr. Benak Patel M P, Asst. Prof., Dept. of ICE
3	Robo Harvester	Krishna Kiran G (ISE 2005 Batch Alumni) ISE & CSE	Mr. Chethan K R, Asst. Prof., Dept. of CSE
4	Quad Bike with Reverse Gear	Shabareesha A ME	Dr. D S Ramakrishna, Prof., Dept. of ME
5	Smart gloves	Anush A L ECE & CIVIL	Mr. Benak Patel M P, Asst. Prof., Dept. of TCE
6	Railway Accident Control	Shreyas B ECE	Dr. Manjunath P, Prof. & Head, Dept. of ECE
7	Automation of Blood Group Identification	Kumari K (MCA 2018 Batch Alumni) MCA	Dr. Ajit Danti, Director, MCA
8	<u>Usage of steel slag for bituminous concrete</u>	Kavya G M M.Tech Civil	Mr. Anirudh N, Asst. Prof., Dept. of CE Mr. Arun V, Asst. Prof., Dept. of CE
9	Smart Oven	Ayaz Ahmed M.Tech ECE	Mr. Vidvashankar M, Asst. Prof., Dept. of FEE
10	Concrete Fabrics/Canvas	Deepak Ashok Doddagoni CIVIL	Mr. Neeraj S N, Asst. Prof., Dept. of CE Mr. Adarsh S R, Asst. Prof., Dept. of CE

  
Mallesh Kumar K S  
Regional Coordinator

  
Dr. Manjunatha P  
College Coordinator

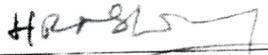

  
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Mallesh Kumar K S  
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Principal

# Jawaharlal Nehru National College of Engineering, Shivamogga

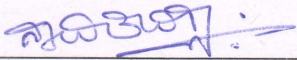
## New Generation Innovation and Entrepreneurship Development Centre

### NewGen IEDC Batch-1 Project List:

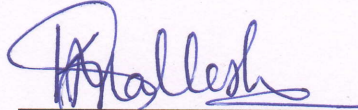
Sl. No.	Project Title	Team Members	USN	Sem	Project Guide
1	<b>Biometric Based Bus Ticket</b>	Adithya K Harshad g Naik Kiran L Chandan hedge	4JN16EC002 4JN16EC030 4JN16EC037 4JN16EC013	6 <sup>th</sup> SEM(ECE) 6 <sup>th</sup> SEM(ECE) 6 <sup>th</sup> SEM(ECE) 6 <sup>th</sup> SEM(ECE)	<b>Dr. Manjunath P,</b> Prof. & Head, Dept. of ECE
2	<b>Bionix</b>	Mohammed Mehran Girish Kumar S R Mohammedh Abid Syed Imran Varun D Kafeel Ahmedh	4JN16CV055 4JN16CV029 4JN16CV020 4JN15EE052 4JN17CV431 4JN18CV411	6 <sup>th</sup> SEM(CV) 6 <sup>th</sup> SEM(CV) 6 <sup>th</sup> SEM(CV) 8 <sup>th</sup> SEM(EE) 6 <sup>th</sup> SEM(CV) 4 <sup>th</sup> SEM(CV)	<b>Mr. Mallesh Kumar K S</b> Project Manager, CIE
3	<b>Automation Unit for Industrial Appliances</b>	Ullas S Boomika K V Harshita A Shetty	4JN16EC107 4JN16EC012 4JN16EC031	5 <sup>th</sup> SEM(ECE) 5 <sup>th</sup> SEM(ECE) 5 <sup>th</sup> SEM(ECE)	<b>Mr. Abhijith.N</b> Asst. Prof., Dept. of ECE  <b>Mentor:</b> <b>Tejesh</b> Director, Loginware Pvt. Ltd.
4	<b>Study and Implementation of Interline Custom Power Devices (ICPD)</b>	Nagaraj Achari Praveen M	4JN17EE411 4JN17EE413	6 <sup>th</sup> SEM(EEE) 6 <sup>th</sup> SEM(EEE)	<b>Dr. Thejaswi A H,</b> Prof., Dept. of EEE  <b>Mr. Veerasha K B</b> Asst. Prof., Dept. of EEE
5	<b>IIOT Based Process Automation</b>	Shreyas B Sowjanya Jain Vasuki H A	4JN16EC085 4JN16EC094 4JN16EC115	6 <sup>th</sup> SEM(ECE) 6 <sup>th</sup> SEM(ECE) 6 <sup>th</sup> SEM(ECE)	<b>Dr. Manjunath P,</b> Prof. & Head, Dept. of ECE  <b>Mr. Pradeepa S C</b> Asst. Prof, Dept. of ECE  <b>Mentor:</b> <b>Tejesh</b> Director, Loginware Pvt. Ltd.
6	<b>Design &amp; Fabrication of Prototype bio-reactor Plant for Bio-Ethanol Production from Samanea</b>	Rahul S R Sharan J	4JN17ME076 4JN17ME088	4 <sup>th</sup> SEM(ME) 4 <sup>th</sup> SEM(ME)	<b>Mr.Chethan S G</b> Asst. Prof., Dept. of Chemistry



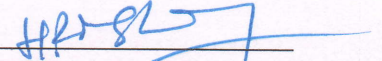
7	<b>Self Checkout App</b>	Kowshik K J Kousthubha R Udupa Nikhil G Dubashi Amarthya D G	4JN17CS129 4JN17IS033 4JN17CS130 4JN17IS007	4 <sup>th</sup> SEM(CS) 4 <sup>th</sup> SEM(IS) 4 <sup>th</sup> SEM(CS) 4 <sup>th</sup> SEM(IS)	<b>Akshay K Kulkarni,</b> COO, Ekathva Innovations Pvt. Ltd.
8	<b>Smart Weighing Bed</b>	Pavan Ganesh Kulkarni Sujan G Bhargav Shrikanth Vaidya S M Vinay Kumar Koulur	4JN17EC121 4JN17EC120 4JN17EC090 4JN17EC112	4 <sup>th</sup> SEM(ECE) 4 <sup>th</sup> SEM(ECE) 4 <sup>th</sup> SEM(ECE) 4 <sup>th</sup> SEM(ECE)	<b>Vikas H C,</b> CEO, Ekathva Innovations
9	<b>Pervious Concrete for Paver Blocks &amp; Slabs</b>	Deepak Ashok Doddagoni Basavalinga Shashank Ravikiran	4JN15CV022  4JN17CV011 4JN17CV078 4JN17CV071	8 <sup>th</sup> SEM(CV)  4 <sup>th</sup> SEM(CV) 4 <sup>th</sup> SEM(CV) 4 <sup>th</sup> SEM(CV)	<b>Neeraj S N</b> Asst. Prof., Dept. of Civil
10	<b>Data Management of Milk Dairy using Cloud Application's</b>	Varun Kumar M V Suprith H H Lokesha S Shambhu Nadager Ramya M	4JN16EC443 4JN15EC089 4JN18EC406 4JN18EC420 4JN16EC427	8 <sup>th</sup> SEM(ECE) 8 <sup>th</sup> SEM(ECE) 4 <sup>th</sup> SEM(ECE) 4 <sup>th</sup> SEM(ECE) 8 <sup>th</sup> SEM(ECE)	<b>Anil Kumar J</b> Asst. Prof., Dept. of ECE



**Nrupatunga C M**  
Project Coordinator  
NewGen IEDC



**Malleesh Kumar K S**  
Project Manager  
Centre for Innovation & Entrepreneurship



**Dr. H R Mahadevaswamy**  
Chief Coordinator, NewGen IEDC  
Principal, JNNCE

**NRUPATUNGA. C.M**  
Project Coordinator  
NewGen IEDC,  
JNNCE, Shivamogga

**Malleesh Kumar K S**  
Project Manager  
Centre for Innovation & Entrepreneurship  
JNNCE, Shivamogga

**Dr. H R Mahadevaswamy**  
Chief Coordinator,  
NewGen IEDC,  
JNNCE, Shivamogga





# Karnataka Science and Technology Promotion Society

Dept. of Information Technology, Bio Technology and Science & Technology, GoK  
"Vijnana Bhavan", 3<sup>rd</sup> Floor, #24/2, 21<sup>st</sup> Main Road, Banashankari 2<sup>nd</sup> Stage, Bangalore-70  
Ph/fax : 080-26711166, E-mail : ksteps.dst@gmail.com

**Dr. H. Honne Gowda**  
**Special Secretary (Technical),**  
**Dept. of IT, BT and S&T/**  
**Managing Director, KSTePS**

No. KSTePS/VGST-RGS-F/2018-19/GRD No.811 /315

Date: 17.07.2019

Dear Sir/Madam,

**Sub:** Intimation of selection of the project under the VGST scheme of RGS/F- reg.

Greetings from the Department of Science and Technology, GoK & KSTePS. We are pleased to inform you that the project titled "**Applications of differential Geometry and Riemannian Geometry in the field of Engineering**" submitted under the VGST scheme of RGS-F for the financial year 2018-19 has been approved by the Government based on the recommendations of Vision Group on Science and Technology under the Chairmanship of Bharat Ratna Prof. CNR Rao, Honorary President, JNCASR.

You are requested to take an immediate action to initiate the project at the earliest and to be completed within a year after receiving the grant from our office. The total grant allocated for the project is of Rs. 5.00 lakh.

The grant will be paid to the Head of the Institution, under whose supervision the 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 in soft copy once in 3 months without fail. The grants shall be used only for the purposes described in the grant application by following due procedures of KTPP Act. Any deviation from the scheduled plan must have a prior approval from the VGST.

The funding agency has the right to terminate the project, if it is found to be not satisfactorily pursuing and fulfilling the stated project goals and objectives. Any unspent balance must be returned back to the funding agency within 60 days following the conclusion of the project. Any publications or other dissemination arising from research supported by VGST grants should be acknowledged.

Dr. S. G. Sreekanteswara Swamy, Consultant, VGST will be the nodal officer for all future correspondences related to the project. His contact details are given below:

Vision Group on Science and Technology,  
Department of IT, BT and S & T,  
Room No. 702, 7<sup>th</sup> Floor, 4<sup>th</sup> Gate,  
M.S. Building, Dr. Ambedkar Veedhi,  
Bengaluru – 560 001.  
Phone : 080-2203 2013  
Email : [visiongroup.st@gmail.com](mailto:visiongroup.st@gmail.com)  
Website : [www.vgst.in](http://www.vgst.in)



The sanctioned grant will be sent through NEFT/RTGS to your institution. Hence, it is requested to send the following bank details on your intuitional letter head, sealed and signed by the head of the institution, by post. A scanned copy of the same may be sent through E-mail: [ksteps.dst@gmail.com](mailto:ksteps.dst@gmail.com) & [visiongroup.st@gmail.com](mailto:visiongroup.st@gmail.com) for swift process.

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

After receiving the grant to the institute, you are suppose to open an new saving bank account in the name of VGST scheme & get the grant transferred from the institution's main account. I would like to personally thank and greet you for being selected as one of the VGST program members and we wish you a great success in the implementation of the project.

Thanking you,

Yours sincerely,

  
(H. Honne Gowda)

To,  
Dr. Gurupadavva Ingalahalli,  
Assistant Professor,  
Department of Mathematics,  
Jawaharlal Nehru National College of Engineering,  
Navule, Shivamogga- 577 204.

CC:

- 1) The Principal, Jawaharlal Nehru National College of Engineering, Navule, Shivamogga- 577204.
- 2) 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) Dr. S. G. Sreekanteswara Swamy, Consultant, Vision Group on Science and Technology, Department of IT, BT and S & T, Room No. 702, 7<sup>th</sup> Floor, 4<sup>th</sup> Gate, M.S. Building, Dr. Ambedkar Veedhi, Bengaluru -560 001.



Ref. No.: JNNCE/

**UTILIZATION CERTIFICATE**

GRD NO : 811

SCHEME : VGST Grants - RGSF

PROJECT TITLE: "Applications of Differential Geometry and Riemannian Geometry in the Field of Engineering"

Sl. No.	Details	Amount
1	Previous year Balance (Opening Balance (OB), If any )	0-00
2	Grants Received (UTR No-SBINR52019121200128270 Dated- 12.12.2019)	5,00,000-00
3	Bank Interest (If any)	11,054-00
4	Total Available Grants(1+2+3)	5,11,054-00
5	Actual Grants Utilized (Statement of Expenditure Enclosed)	5,00,000-00
6	Unspent Balance(4-5)	11,054-00

Certified that **Rs.5,00,000/- (Five Lakhs Only)** of grant-in-aid under **VGST Grants- RGSF** was released by Karnataka Science and Technology Promotion Society (KSTePS) in favour of **J N N College of Engineering, Shivamogga** vide letter No.No/VGST/GRD-811/2018-19/2019-20/591 Date:13.01.2020 as stated above during the year 2019-20. The above grant was sanctioned towards Project Title "Applications of Differential Geometry and Riemannian Geometry in the Field of Engineering". Out of sanctioned grants, a sum of **Rs.5,00,000/- (Five Lakh only)** has been utilized for the purpose of which it was sanctioned and **Rs. 11,054/- Interest amount (Eleven Thousand Fifty-Four Only)** remained unutilized at end of the financial year 2020-21 to be carried forward (if the program is continued) or to be refunded (if the program is completed) whichever the case is applicable. Expenditure incurred for the purpose for which the grant was sanctioned is verified with the vouchers produced before me.

Certified that I have satisfied myself that the conditions on which the grant-in-aid was sanctioned have been fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

*Curupadava Ingabhalli.*  
Signature and Address of the Project Coordinator  
*Dr. Curupadava Ingabhalli.*  
Asst. Professor  
Dept. of Mathematics

**For A. Narasimha Murthy & Co.,**  
Chartered Accountants

*CA. Sharath*  
Signature with Seal  
Chartered Accountant  
(FRN: &M.No)

UDIN: 21214269AAAADU3455

Date: 30/04/21

*[Signature]*  
Signature of the Head of Institution and Seal Principal  
Jawaharlal Nehru National College of Engineering, Shivamogga.



No. INSPIRE INTERNSHIP 7 2019-20 14  
GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF SCIENCE AND TECHNOLOGY  
(INSPIRE PROGRAM)

Technology Bhawan  
New Mehrauli Road  
New Delhi-110 016  
Date: 6<sup>th</sup> December, 2019

**SANCTION ORDER**

Subject: Financial assistance for organizing the INSPIRE Internship Science Camp (Ref. no. DST/INSPIRE/01/2019/000518) during 22-26 December, 2019 at JNN College of Engineering, Savalanga Road, Shimoga-577204, Karnataka.

PI: Prof. Girish Mantha, Asst. Professor/Program Co-ordinator, JNN College of Engineering, Savalanga Road, Shimoga-577204, Karnataka.

Sanction of the President is hereby conveyed for the organization of above mentioned INSPIRE Internship Science Camp for 150 students during 22-26 December, 2019 at JNN College of Engineering, Savalanga Road, Shimoga-577204, Karnataka at a total cost. General component, not exceeding Rs. 9,75,000/- (Rupees Nine Lakh and Seventy-Five Thousand only).

2. Sanction of the President is also accorded to the General component release of Rs. 8,00,000/- (Rupees Eight Lakh only) to the JNN College of Engineering, Savalanga Road, Shimoga-577204, Karnataka as the initial grant for organizing the above mentioned program and the final release will be made on receipt of Utilization Certificate and Statement of Expenditure from the host Institute.

3. It is certified that travel by Air/Rail/Road (Car/Taxi etc.) in this case is urgent and considered necessary in the public interest. The sanction of the President is also accorded to the performance of Journey by Air/Train (1<sup>st</sup> Class/AC2tier/AC3tier) /Road (Own Car/taxi etc.) by the participants as per their entitlement in their parent organization.

4. Host Institute will furnish financial records in the form of the Statement of Expenditure and Utilization Certificate duly reflecting the interest earned/accrued on the above received amount by them along with INSPIRE Internship Science Camp Completion Report to DST. After receiving these documents, DST will release the next/Final installment amount if applicable. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and final completion report within one year from the scheduled date of completion.

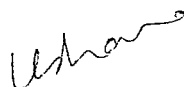
5. The grantee organization will maintain separate audited account for the project and the entire amount of grant will be kept in an interest bearing bank account. For Grants released during F.Y. 2017-18 and onwards, all interests and other earnings, against released Grant shall be remitted to Consolidated Fund of India, immediately after finalization of accounts, as it shall not be adjusted towards future release of grant. A certificate to this effect shall have to be submitted along with Statement of Expenditure/Utilization Certificate for considering subsequent release of grant/closure of project accounts.

6. The expenditure involved is to be debited to  
Demand No. 86 – Department of Science and Technology  
3425: Other Scientific Research (Major Head)  
60 – Other (Sub-Major Head)  
60.200 – Assistance to other Scientific Bodies (Minor Head)  
68 – Science & Technology Institutional and Human Capacity Building  
68.00.31– Grant-in-aid General for the year 2019-2020 (Voted)  
(Previous: 56.03.31–Alliance and R&D Mission)

7. The amount of Rs.8,00,000/- (Rupees Eight Lakh only) will be drawn by the Drawing and Disbursing Officer, DST and will be disbursed to the JNN College of Engineering, Savalanga Road, Shimoga-577204, Karnataka. The bank details for electronic transfer of funds through RTGS are given below: -

Name of the Account Holder: JNN College of Engineering, Savalanga Road, Shimoga-577204, Karnataka  
Bank Name: Canara Bank  
Account No. 6322101000028  
IFSc Code. CNRB0006322

Cont...2/-



8. The account of the grantee organization shall be open to inspection by the sanctioning authority and audit (both by C&AG of India and Internal Audit by the Principal Accounts Office of the DST), whenever the organization is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.


9. The grantee organization will have to enter & upload the utilization certificate in the PFMS portal. The subsequent /final installment will be released only after confirmation of the acceptance of the UC by online portal and of entry of previous UCs' by the division.

10. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Department of Science & Technology should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

11. Failure to comply with the terms and conditions of the scheme will entail full refund with interest in terms of Rule 231(2) of GFR 2017.

12. The sanction issue under the powers delegated to the Ministries and with the concurrence of the Integrated Finance Division, Department of Science and Technology vide their Dy. No. C/4077/IFD/2019-20 dated 11.11.2019.

13. The Sanction Order is entered vide INSPIRE Sl. No. 516 in the Register of Grants.

  
(Dr. Umesh K. Sharma)  
Scientist –E

Copy forwarded for information and necessary action to: -


1. Copy with two spare copies of the sanction to the Drawing and Disbursing Officer, DST, New Delhi.
2. Pay & Accounts Officer, DST, New Delhi.
3. Sanction Folder, DST, New Delhi.

4. The Principal Director of Audit  
A.G.C.R. Building  
IIIrd Floor, I.P. Estate  
New Delhi-110 002

5. The Principal  
JNN College of Engineering  
Savalanga Road, Shimoga-577204, Karnataka.

✓ 6. Prof. Girish Mantha  
Asst. Professor/Program Co-ordinator  
JNN College of Engineering  
Savalanga Road, Shimoga-577204, Karnataka.

7. File Copy

  
(Dr. Umesh K. Sharma)  
Scientist –E





National Education Society ®  
JAWAHARLAL NEHRU NATIONAL COLLEGE  
OF ENGINEERING  
SHIMOGA



JNNCE Centre for Agriculture and Rural  
Technologies (JNNCART)

The Principal,  
JNN College of Engineering,  
Shimoga.

No. JNNCART/ 2018-19/

Dear Sir/Madam

Sub: Intimation of selection of the project under the JNNCART scheme-reg.

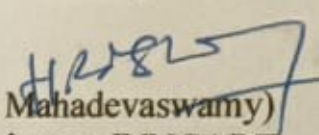
Greetings from the JNNCE Research and Innovation centre. We are pleased to inform you that the project titled "Mini Trencher" submitted under JNNCART scheme for the financial year 2018-19 has been recommended and approved by the JNNCART, JNNCE Shimoga.

The grant will paid to Principal Investigator and he shall be responsible for the completion of the stated objectives of the project. The Principal Investigator has to submit the progress report in hard copy every month and then final completion report at the end of the project.

We wish you a great success in the implementation of the project.

Thanking you,

Yours sincerely

  
(Dr.H R Mahadevaswamy)  
Chairman, JNNCART  
&  
Principal, JNNCE

Dr. K.Sabeel Ahmed  
Professor & HOD,  
Department of Mechanical Engineering  
JNNCE Shimoga

1) Dr. E.Basavaraj  
Convener, JNNCART & Prof., Dept. of ME, JNNCE, Shivamogga

## JNN CART - Projects 2018-19

No.	Project Title	Mentor	Students	Amount Sanctioned	Status
1	Arecanut Plucker cum Sprayer	Dr. E. Basavaraj, Dept. of Mechanical Engineering	BHARATH H S	INR 18,000	Completed
			NEELESHA N H		
			TEJAS B M		
			VINAYAKA K		
2	Multipurpose Hybrid Sprayer	Dr. E. Basavaraj, Dept. of Mechanical Engineering	JASWANTH T S	INR 25,000	Completed
			MANJU PATIL		
			SANKARSHANA S V		
			SHABAREESHA A		
3	Mini Trencher Trenching Machine	Dr. K. Sabeel Ahmed Dept. of Mechanical Engineering	SHRAVAN BHARADWAJ N C	INR 20,000	Completed
			ARPITHASHREE M		
			SHIREESHA K H		
			AKSHAYA JATTAPPA PATGAR		
4	Hydrophobic sand to combat water scarcity	Mrs. Chaya D. Y. Dept. of Civil Engineering	RAKSHITHA. G.	INR 25,000	Completed
			THANUSHREE. B.		
			ANUSHREE. N. J.		
			CHANDANASHREE.		
5	Trenching Machine	Dr. E. Basavaraj Dept. of Mechanical Engineering	VINAYAK GANGOJI	INR 29,000	Completed
			RAKSHITH.H.R		
			SHIBIN POUL.P		
			PRAMOD RAMA GOUDA		

E. Balavady 12/01/2023





Jawaharlal Nehru National College of Engineering, Shivamogga

ಜವಾಹರ್‌ಲಾಲ್ ನೆಹರು ರಾಷ್ಟ್ರೀಯ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ, ಶಿವಮೊಗ್ಗ

(Approved by A.I.C.T.E.New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC - 'B', Recognised by Govt. of Karnataka and Affiliated to VTU, Belagavi )



Ref. No.: JNNCE/

No. JNNCE / KSCST / 19 - 20 / 1649

Dt.09.01.2020

To,

Mr. H Hemanthkumar,  
Executive Secretary,  
Karnataka State Council for Science and Technology,  
Indian Institute of Science Campus,  
Bengaluru - 560012. Ph:080-23348840.

Dear Sir,

Sub: Submission of KSCST Project Audited Utilization Certificate of 42<sup>nd</sup>  
Series:Year 2018 - 19.

Ref: Your Sanction Letter No.7.1.01 / SPP / 1333 / Dtd., 27.03.2019.

With reference to the above subject, we are hereby submitting the  
ORIGINAL Audited Utilization Certificate of KSCST Project Account of  
42<sup>nd</sup> Series: Year 2018 - 2019 for your kind information & reference.

The Project Details as Under:

SL No.	Project Proposal Ref. No.	Amount
1	42S_BE_2863	7000
2	42S_BE_1221	8000
3	42S_BE_2864	17000
4	42S_BE_2042	6000
	<b>Total</b>	<b>38000</b>

Kindly acknowledge the receipt of the same & do the needful.

Thanking You,

Yours faithfully,

HAREK  
Principal

Principal

ನವುಲೆ, ಶಿವಮೊಗ್ಗ - 577 204, ಕರ್ನಾಟಕ  
Navule, Shivamogga - 577 204, Karnataka

E - mail : principal@jnnce.ac.in Website : www.jnnce.ac.in

☎ : 08182 - 276707 / 08 / 09,268800 / 1, Fax : 08182 - 222450

Jawaharlal Nehru National  
College of Engineering, Shivamogga

**National Education Society(R)**  
**JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING,**  
**SHIMOGA.577204**

**KSCST Project Sanctioned Details**

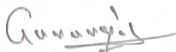
Sl No	Project Names	Sanctioned Amount
1	Multipurpose Hybrid Sprayer	8000
2	IOT Based Real-Time Flash Flood Monitoring and Alert System	7000
3	Bliss-Boost AI Chatbot to Trace out Depression Anxiety and Alzheimer's	6000
4	Design and Further Development of Rotary Type Coconut Dehusking Machine	17000
	<b>Total</b>	<b>38000</b>

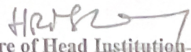
**Receipt and Payments of KSCST Project**

Receipts	Amount	Payments	Amount
Grants Received From KSCST		Project Expenses	
Ref:7.1.01/SPP/1333	15000	Materials /Consumables /Labour	
42 <sup>nd</sup> Series - 2018-2019		Travel / Misc Exp	
Project Proposal Ref No	6000	Project 1	8000
42S_BE_2042/2863/1221/2864		Project 2	7000
- Dated: 27/03/19	17000	Project 3	6000
		Project 4	17000
<b>Total</b>	<b>38000</b>	<b>Total</b>	<b>38000</b>

  
**Signature of Project In-charge**

**Dr. K. Sabeel Ahmed**  
 Professor and Head  
 Dept. of Mechanical Engineering  
 JNN College of Engineering  
 SHIVAMOGGA-577 204

  
**Signature Account officer**  
**Accounts Department**  
 J N N College of Engineering  
 Shivamogga.

  
**Signature of Head Institution**  
**Principal**  
 Jawaharlal Nehru National  
 College of Engineering, Shivamogga

**For A. Narasimha Murthy & Co.,**  
 Chartered Accountants

  
**Signature of Chartered Accountant**

Proprietor  
 M. No. 214269,  
 Firm Reg. No: 0111075

**08 JAN 2020**



**National Education Society(R)**  
**JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING,**  
**SHIMOGA.577204**  
**UTILISATION CERTIFICATE**

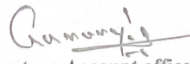
Sl No	Project Names	Sanctioned Amount
1	Multipurpose Hybrid Sprayer	8000
2	IOT Based Real-Time Flash Flood Monitoring and Alert System	7000
3	Bliss-Boost AI Chatbot to Trace out Depression Anxiety and Alzheimer's	6000
4	Design and Further Development of Rotary Type Coconut Dehusking Machine	17000
	<b>Total</b>	<b>38000</b>


Sl No	Particular		Certified that Rs. 38,000.00 (Rupees Thirty-Eight Thousand Only) have been released under Scheme KSCST Faculty SVO Project – 1. Multipurpose Hybrid Sprayer 2. IOT Based Real-Time Flash Flood Monitoring and Alert System 3. Bliss-Boost AI Chatbot to Trace out Depression Anxiety and Alzheimer's 4. Design and Further Development of Rotary Type Coconut Dehusking Machine. Secretary, Karnataka state council of science and technology, IISC, Bangalore during the year 2019-20 in favor of Principal, JNNCE, Shimoga. The sum of Rs Rs. 38,000.00 (Rupees Thirty-Eight Thousand Only) has been utilized for KSCST Faculty SVO Project – 1. Multipurpose Hybrid Sprayer 2. IOT Based Real-Time Flash Flood Monitoring and Alert System 3. Bliss-Boost AI Chatbot to Trace out Depression Anxiety and Alzheimer's 4. Design and Further Development of Rotary Type Coconut Dehusking Machine. and the balance amount remaining in the Saving Bank A/c Rs. 0.00 (NIL) carried forward towards Project expenditure for year 2020-21.
1	Opening Balance	0	
2	Grant Received from KSCST	15000 6000 17000	
3	<b>Total</b>	<b>38000</b>	
4	Balance to be Kept	0	
Balance Kept – Nil			

Certified that I have satisfied myself that the condition on which the recurring and Non-Recurring Grants was sanctioned have been dully fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.


  
 Signature of Project In-charge

- Dr. K. Sabeel Ahmed  
 Professor and Head  
 Dept. of Mechanical Engineering  
 JNN College of Engineering  
 SHIVAMOGGA-577 204

  
 Signature Account officer  
 Accounts Department  
 J N N College of Engineering  
 Shivamogga.

  
 Signature of Head Institution  
 Principal  
 Jawaharlal Nehru National  
 College of Engineering, Shivamogga

Signature of Chartered Accountant  
 For A. Narasimha Murthy & Co.,  
 Chartered Accountants

  
 CA. Sharath  
 Proprietor  
 M. No. 214269,  
 Firm Reg. No: 0111075

18 JAN 2020

UDIN : 20214269AAAAAC3407

# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: [spp@kscst.iisc.ernet.in](mailto:spp@kscst.iisc.ernet.in) || Phone: 080-23600978

## 42<sup>nd</sup> Series of Student Project Programme: 2018-19

### List of Projects Sanctioned Under Stream B - Innovative Projects

#### 9. JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING, SHIVAMOGGA

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_BE_2042	BLISS-BOOST AI CHATBOT TO TRACE OUT DEPRESSION, ANXIETY AND ALZHEIMER'S	COMPUTER SCIENCE AND ENGINEERING	BE	Dr. JALESH KUMAR	Ms. SPOORTHY P	6000.00

HOD, CSB  
JLB



# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: [spp@kscst.iisc.ernet.in](mailto:spp@kscst.iisc.ernet.in) || Phone: 080-23600978

## 42<sup>nd</sup> Series of Student Project Programme: 2018-19

### List of Projects Sanctioned Under Stream A - Further Development

#### 12. JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING, SHIVAMOGGA

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_BE_2864	DESIGN AND FURTHER DEVELOPMENT OF ROTARY TYPE COCONUT DEHUSKING MACHINE	MECHANICAL ENGINEERING	BE	Prof. D. S. RAMAKRISHNA	Mr. CHANDAN S NAYAK	17000.00

HOD / Mech  
HP



# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: [spp@kscst.iisc.ernet.in](mailto:spp@kscst.iisc.ernet.in) || Phone: 080-23600978

## 42<sup>nd</sup> Series of Student Project Programme: 2018-19

### List of Projects Sanctioned Under Stream C

#### 55. JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING, SHIVAMOGGA

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_BE_1221	MULTIPURPOSE HYBRID SPRAYER	MECHANICAL ENGINEERING	BE	Dr. E BASAVARAJ	Mr. SANKARSHANA S V	8000.00
2.	42S_BE_2863	IOT BASED REAL - TIME FLASH FLOOD MONITORING AND ALERT SYSTEM	TELE COMMUNICATION ENGINEERING	BE	Mr. ANAND RAJ S N	Ms. CHAITHALI B H MUTT	7000.00

*Handwritten notes:*  
COP  
HOD, Mech  
HOD, TCB





Jawaharlal Nehru National College of Engineering, Shivamogga

ಜವಾಹರ್‌ಲಾಲ್ ನೆಹರು ರಾಷ್ಟ್ರೀಯ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ, ಶಿವಮೊಗ್ಗ

(Approved by A.I.C.T.E.New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC - 'B', Recognised by Govt. of Karnataka and Affiliated to VTU, Belagavi )



Ref. No.: JNNCE/

No. JNNCE / KSCST / 19 - 20 / 1649

Dt.09.01.2020

To,

Mr. H Hemanthkumar,  
Executive Secretary,  
Karnataka State Council for Science and Technology,  
Indian Institute of Science Campus,  
Bengaluru - 560012. Ph:080-23348840.

Dear Sir,

Sub: Submission of KSCST Project Audited Utilization Certificate of 42<sup>nd</sup>  
Series:Year 2018 - 19.

Ref: Your Sanction Letter No.7.1.01 / SPP / 1333 / Dtd., 27.03.2019.

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**ORIGINAL Audited Utilization Certificate of KSCST Project Account** of  
42<sup>nd</sup> Series: Year 2018 - 2019 for your kind information & reference.

The Project Details as Under:

SL No.	Project Proposal Ref. No.	Amount
1	42S_BE_2863	7000
2	42S_BE_1221	8000
3	42S_BE_2864	17000
4	42S_BE_2042	6000
	<b>Total</b>	<b>38000</b>

Kindly acknowledge the receipt of the same & do the needful.

Thanking You,

Yours faithfully,

HAREK  
Principal

Principal

ನವುಲೆ, ಶಿವಮೊಗ್ಗ - 577 204, ಕರ್ನಾಟಕ  
Navule, Shivamogga - 577 204, Karnataka

E - mail : principal@jnnce.ac.in Website : www.jnnce.ac.in

☎ : 08182 - 276707 / 08 / 09,268800 / 1, Fax : 08182 - 222450

Jawaharlal Nehru National  
College of Engineering, Shivamogga

**National Education Society(R)**  
**JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING,**  
**SHIMOGA.577204**

**KSCST Project Sanctioned Details**

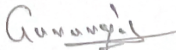
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2	IOT Based Real-Time Flash Flood Monitoring and Alert System	7000
3	Bliss-Boost AI Chatbot to Trace out Depression Anxiety and Alzheimer's	6000
4	Design and Further Development of Rotary Type Coconut Dehusking Machine	17000
<b>Total</b>		<b>38000</b>


**Receipt and Payments of KSCST Project**

Receipts	Amount	Payments	Amount
Grants Received From KSCST		Project Expenses	
Ref:7.1.01/SPP/1333	15000	Materials /Consumables /Labour	
42 <sup>nd</sup> Series - 2018-2019		Travel / Misc Exp	
Project Proposal Ref No	6000	Project 1	8000
42S_BE_2042/2863/1221/2864		Project 2	7000
- Dated: 27/03/19	17000	Project 3	6000
		Project 4	17000
<b>Total</b>	<b>38000</b>	<b>Total</b>	<b>38000</b>

  
**Signature of Project In-charge**

**Dr. K. Sabeel Ahmed**  
 Professor and Head  
 Dept. of Mechanical Engineering  
 JNN College of Engineering  
 SHIVAMOGGA-577 204

  
**Signature Account officer**  
**Accounts Department**  
 J N N College of Engineering  
 Shivamogga.

  
**Signature of Head Institution**  
**Principal**  
 Jawaharlal Nehru National  
 College of Engineering, Shivamogga

**For A. Narasimha Murthy & Co.,**  
 Chartered Accountants

  
**Signature of Chartered Accountant**

Proprietor  
 M. No. 214269,  
 Firm Reg. No: 0111075

**08 JAN 2020**



**National Education Society(R)**  
**JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING,**  
**SHIMOGA.577204**  
**UTILISATION CERTIFICATE**

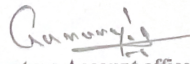
SI No	Project Names	Sanctioned Amount
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2	IOT Based Real-Time Flash Flood Monitoring and Alert System	7000
3	Bliss-Boost AI Chatbot to Trace out Depression Anxiety and Alzheimer's	6000
4	Design and Further Development of Rotary Type Coconut Dehusking Machine	17000
	<b>Total</b>	<b>38000</b>


SI No	Particular		Certified that Rs. 38,000.00 (Rupees Thirty-Eight Thousand Only) have been released under Scheme KSCST Faculty SVO Project – 1. Multipurpose Hybrid Sprayer 2. IOT Based Real-Time Flash Flood Monitoring and Alert System 3. Bliss-Boost AI Chatbot to Trace out Depression Anxiety and Alzheimer's 4. Design and Further Development of Rotary Type Coconut Dehusking Machine. Secretary, Karnataka state council of science and technology, IISC, Bangalore during the year 2019-20 in favor of Principal, JNNCE, Shimoga. The sum of Rs Rs. 38,000.00 (Rupees Thirty-Eight Thousand Only) has been utilized for KSCST Faculty SVO Project – 1. Multipurpose Hybrid Sprayer 2. IOT Based Real-Time Flash Flood Monitoring and Alert System 3. Bliss-Boost AI Chatbot to Trace out Depression Anxiety and Alzheimer's 4. Design and Further Development of Rotary Type Coconut Dehusking Machine. and the balance amount remaining in the Saving Bank A/c Rs. 0.00 (NIL) carried forward towards Project expenditure for year 2020-21.
1	Opening Balance	0	
2	Grant Received from KSCST	15000 6000 17000	
3	<b>Total</b>	<b>38000</b>	
4	Balance to be Kept	0	
Balance Kept – Nil			

Certified that I have satisfied myself that the condition on which the recurring and Non-Recurring Grants was sanctioned have been dully fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.


  
 Signature of Project In-charge

- Dr. K. Sabeel Ahmed  
 Professor and Head  
 Dept. of Mechanical Engineering  
 JNN College of Engineering  
 SHIVAMOGGA-577 204

  
 Signature Account officer  
 Accounts Department  
 J N N College of Engineering  
 Shivamogga.

  
 Signature of Head Institution  
 Principal  
 Jawaharlal Nehru National  
 College of Engineering, Shivamogga

Signature of Chartered Accountant  
 For A. Narasimha Murthy & Co.,  
 Chartered Accountants

  
 CA. Sharath  
 Proprietor  
 M. No. 214269,  
 Firm Reg. No: 0111075

18 JAN 2020

UDIN : 20214269AAAAAC3407

# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: [spp@kscst.iisc.ernet.in](mailto:spp@kscst.iisc.ernet.in) || Phone: 080-23600978

## 42<sup>nd</sup> Series of Student Project Programme: 2018-19

### List of Projects Sanctioned Under Stream B - Innovative Projects

#### 9. JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING, SHIVAMOGGA

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_BE_2042	BLISS-BOOST AI CHATBOT TO TRACE OUT DEPRESSION, ANXIETY AND ALZHEIMER'S	COMPUTER SCIENCE AND ENGINEERING	BE	Dr. JALESH KUMAR	Ms. SPOORTHI P	6000.00

HOD, CSB  
JLB



# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: [spp@kscst.iisc.ernet.in](mailto:spp@kscst.iisc.ernet.in) || Phone: 080-23600978

## 42<sup>nd</sup> Series of Student Project Programme: 2018-19

### List of Projects Sanctioned Under Stream A - Further Development

#### 12. JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING, SHIVAMOGGA

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_BE_2864	DESIGN AND FURTHER DEVELOPMENT OF ROTARY TYPE COCONUT DEHUSKING MACHINE	MECHANICAL ENGINEERING	BE	Prof. D. S. RAMAKRISHNA	Mr. CHANDAN S NAYAK	17000.00

HOD / Mech  
HP



# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: [spp@kscst.iisc.ernet.in](mailto:spp@kscst.iisc.ernet.in) || Phone: 080-23600978

## 42<sup>nd</sup> Series of Student Project Programme: 2018-19

### List of Projects Sanctioned Under Stream C

#### 55. JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING, SHIVAMOGGA

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_BE_1221	MULTIPURPOSE HYBRID SPRAYER	MECHANICAL ENGINEERING	BE	Dr. E BASAVARAJ	Mr. SANKARSHANA S V	8000.00
2.	42S_BE_2863	IOT BASED REAL - TIME FLASH FLOOD MONITORING AND ALERT SYSTEM	TELE COMMUNICATION ENGINEERING	BE	Mr. ANAND RAJ S N	Ms. CHAITHALI B H MUTT	7000.00

*Handwritten notes:*  
COP  
HOD, Mech  
HOD, TCB



To  
The Principal,  
Jawaharlal Nehru National College of Engineering,  
Shivmogga - 577204

Date: 11-03-2019

Dear Sir,

Sub: Declaration of project evaluation results reg.

We are pleased to inform you that the projects submitted by the NAIN centre of your college have been evaluated. Please find enclosed hereby the list of projects that have qualified for the Students Project Fund under the NAIN scheme.

Kindly ensure that the project cost should not surpass the grant limit of Rs. 3 lakh per project.

Thanking You

Yours faithfully



[Dr. Sandhya R Ahvekar]

Head: Skilling  
NAIN - KITS

Evaluation Details:

Sl. No.	Project Title	Project Cost
1	DRUSHTI-eye controlled HMI for disabled persons	2,00,000/- ✓
2	Agro Security	1,42,635/- ✓
3	Robo Harvester	2,86,000/- ✓
4	Quad Bike With Reverse Gear	2,98,000/- ✓
5	Smart Gloves	1,66,000/- ✓
6	Railway Accident Control	2,81,700/- ✓
7	Automation of Blood Group Identification	2,00,000/- ✓
8	Usage of Steel Slag in Bituminous Concrete	2,70,000/- ✓
9	Smart Oven - A personal chef uses Steam and App Technology to cook healthy food	3,00,000/- ✓
10	Concrete Fabrics/Canvas	2,10,000/- ✓
Total		23,54,335/- ✓

Pgs-1/8





# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

"Jnana Sangama", Belagavi - 590 018, Karnataka State, INDIA

Phone : (0831) 2405468  
Fax : (0831) 2405467  
Email : registrar@vtu.ac.in  
website : www.vtu.ac.in

Prof. A. S. Deshpande, B.E., M.Tech., Ph.D

Registrar

Ref: VTU/TEQIP 3/2019/ 321

Date: 10 DEC 2019

## Approval Letter

**Sub:** Research Proposal approved for "Competitive Research Grant" – Reg.  
**Ref:** Hon'ble Vice Chancellor approval dated: 09.12.2019

We are pleased to inform you that, the proposal entitled "Computerized segmentation of pulmonary nodules depicted in CT examinations using freehand sketches" has been selected for the TEQIP Competitive Research Grant.

The details are as given below:

Investigators	Maximum amount approved (Rs.)
1. Dr. Shetty Pramod Kumar, Associate Professor, E&CE Jawaharlal Nehru National College of Engineering, Shivamogga (Lead College) 2. Dr. Mrityunjaya V. Latte, Principal & Professor, E&CE JSS Academy of Technical Education, Bangaluru	1 Lakh

The Investigators are informed to follow the enclosed guidelines. The Vendor format and Undertaking is to be submitted on or before 17.12.2019. Only after submission of undertaking letter the grant will be transferred to the lead Institution Principle's Account.

For any clarifications mail to [teqip@vtu.ac.in](mailto:teqip@vtu.ac.in)

*(Signature)*  
10.12.19  
REGISTRAR

To,

The Principal,  
Jawaharlal Nehru National College of Engineering, Shivamogga

### Enclosed:

1. Guidelines
2. Vendor Format
3. Undertaking Format

### Copy for information to:

1. The Secretary to Hon'ble Vice Chancellor, VTU, Belagavi.
2. The PS to Registrar, VTU, Belagavi.
3. The Finance Officer, VTU, Belagavi.
4. The TEQIP Cell, VTU, Belagavi.



# Visvesvaraya Technological University

## TEQIP CELL

### Guidelines for Investigators:

1. The Investigator from the lead institution shall send the details of Principal's account in the enclosed format for the transfer of the competitive research fund.
2. The Investigator along with the Co-investigators and the Principal of lead Institution shall sign the enclosed undertaking.
3. Fund shall be spent for the purpose it is assigned for.
4. Conference expenditure is accepted, only if there is prior approval from the TEQIP cell through approval letter ([teqip@vtu.ac.in](mailto:teqip@vtu.ac.in)).
5. **The decision of the monitoring committee will be final.**
6. Monthly Expenditure & Accounts to be submitted with Utilization Certificate duly signed by the Principal and Program Coordinator/HOD. Final settlement can be made after full expenditure is incurred by Submitting Accounts, Voucher and Original Bills (GST Tax Invoice with Pan NO. Compulsory) & Final Utilization Certificate.
7. The project will be reviewed in the month of April 2020 and July 2020. The expenses have to be settled by the end of July 2020.
8. The unspent amount along with interest accrued should to be returned in the name of "Finance Officer", VTU Belagavi **through Demand Draft Only**.
9. The report of the project is to be submitted with the following contents:
  - Abstract
  - Introduction
  - Literature Survey
  - Methodology
  - Results and Discussions
  - Related photographs if any
  - Conclusion
  - Publications
  - Expenditure Details
10. Journal publications are to be compulsorily in free journals.
11. Each publication shall have the acknowledgement for VTU TEQIP.
12. The hard and soft copies of all published papers are to be submitted to the TEQIP Cell.

  
**Co-ordinator**  
**TEQIP Cell**  
**VTU, Belagavi.**



## Vendor Format

Name

Date of Birth

Father Name

Aadhaar Number

GST Number

PAN Number

Address

City

District

State

Country

Pin Code

Mobile Number

Email

Bank Name

Account Number

IFSC Code

MICR Code



# Visvesvaraya Technological University TEQIP CELL

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**(To be printed on letter head of Principal, Lead Institute)**

## **Undertaking**

We (names of all the investigators) hereby declare that we shall abide by the regulations laid down by Vishvesvaraya Technological University Belagavi related to "Competitive Research Fund" under TEQIP program. We also declare the following:

- The funds given in advance will be strictly used for the approved project.
- The final settlement will be done by the lead institute,
- If the research performance is found to be unsatisfactory by the committee appointed by the university, we will return the entire allocated grant back to the University.

Signature  
(All Investigators with affiliation)  
(With Seal)

Signature  
Principal, Lead Institution  
(With Seal)

  
**Co-ordinator  
TEQIP Cell  
VTU, Belagavi.**



# Jawaharlal Nehru National College of Engineering, Shivamogga

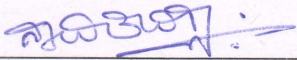
## New Generation Innovation and Entrepreneurship Development Centre

### NewGen IEDC Batch-1 Project List:

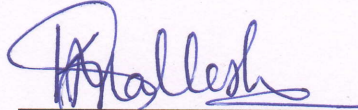
Sl. No.	Project Title	Team Members	USN	Sem	Project Guide
1	<b>Biometric Based Bus Ticket</b>	Adithya K Harshad g Naik Kiran L Chandan hedge	4JN16EC002 4JN16EC030 4JN16EC037 4JN16EC013	6 <sup>th</sup> SEM(ECE) 6 <sup>th</sup> SEM(ECE) 6 <sup>th</sup> SEM(ECE) 6 <sup>th</sup> SEM(ECE)	<b>Dr. Manjunath P,</b> Prof. & Head, Dept. of ECE
2	<b>Bionix</b>	Mohammed Mehran Girish Kumar S R Mohammedh Abid Syed Imran Varun D Kafeel Ahmedh	4JN16CV055 4JN16CV029 4JN16CV020 4JN15EE052 4JN17CV431 4JN18CV411	6 <sup>th</sup> SEM(CV) 6 <sup>th</sup> SEM(CV) 6 <sup>th</sup> SEM(CV) 8 <sup>th</sup> SEM(EE) 6 <sup>th</sup> SEM(CV) 4 <sup>th</sup> SEM(CV)	<b>Mr. Mallesh Kumar K S</b> Project Manager, CIE
3	<b>Automation Unit for Industrial Appliances</b>	Ullas S Boomika K V Harshita A Shetty	4JN16EC107 4JN16EC012 4JN16EC031	5 <sup>th</sup> SEM(ECE) 5 <sup>th</sup> SEM(ECE) 5 <sup>th</sup> SEM(ECE)	<b>Mr. Abhijith.N</b> Asst. Prof., Dept. of ECE  <b>Mentor:</b> <b>Tejesh</b> Director, Loginware Pvt. Ltd.
4	<b>Study and Implementation of Interline Custom Power Devices (ICPD)</b>	Nagaraj Achari Praveen M	4JN17EE411 4JN17EE413	6 <sup>th</sup> SEM(EEE) 6 <sup>th</sup> SEM(EEE)	<b>Dr. Thejaswi A H,</b> Prof., Dept. of EEE  <b>Mr. Veerasha K B</b> Asst. Prof., Dept. of EEE
5	<b>IIOT Based Process Automation</b>	Shreyas B Sowjanya Jain Vasuki H A	4JN16EC085 4JN16EC094 4JN16EC115	6 <sup>th</sup> SEM(ECE) 6 <sup>th</sup> SEM(ECE) 6 <sup>th</sup> SEM(ECE)	<b>Dr. Manjunath P,</b> Prof. & Head, Dept. of ECE  <b>Mr. Pradeepa S C</b> Asst. Prof, Dept. of ECE  <b>Mentor:</b> <b>Tejesh</b> Director, Loginware Pvt. Ltd.
6	<b>Design &amp; Fabrication of Prototype bio-reactor Plant for Bio-Ethanol Production from Samanea</b>	Rahul S R Sharan J	4JN17ME076 4JN17ME088	4 <sup>th</sup> SEM(ME) 4 <sup>th</sup> SEM(ME)	<b>Mr.Chethan S G</b> Asst. Prof., Dept. of Chemistry



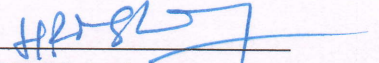
7	<b>Self Checkout App</b>	Kowshik K J Kousthubha R Udupa Nikhil G Dubashi Amarthya D G	4JN17CS129 4JN17IS033 4JN17CS130 4JN17IS007	4 <sup>th</sup> SEM(CS) 4 <sup>th</sup> SEM(IS) 4 <sup>th</sup> SEM(CS) 4 <sup>th</sup> SEM(IS)	<b>Akshay K Kulkarni,</b> COO, Ekathva Innovations Pvt. Ltd.
8	<b>Smart Weighing Bed</b>	Pavan Ganesh Kulkarni Sujan G Bhargav Shrikanth Vaidya S M Vinay Kumar Koulur	4JN17EC121 4JN17EC120 4JN17EC090 4JN17EC112	4 <sup>th</sup> SEM(ECE) 4 <sup>th</sup> SEM(ECE) 4 <sup>th</sup> SEM(ECE) 4 <sup>th</sup> SEM(ECE)	<b>Vikas H C,</b> CEO, Ekathva Innovations
9	<b>Pervious Concrete for Paver Blocks &amp; Slabs</b>	Deepak Ashok Doddagoni Basavalinga Shashank Ravikiran	4JN15CV022  4JN17CV011 4JN17CV078 4JN17CV071	8 <sup>th</sup> SEM(CV)  4 <sup>th</sup> SEM(CV) 4 <sup>th</sup> SEM(CV) 4 <sup>th</sup> SEM(CV)	<b>Neeraj S N</b> Asst. Prof., Dept. of Civil
10	<b>Data Management of Milk Dairy using Cloud Application's</b>	Varun Kumar M V Suprith H H Loksha S Shambhu Nadager Ramya M	4JN16EC443 4JN15EC089 4JN18EC406 4JN18EC420 4JN16EC427	8 <sup>th</sup> SEM(ECE) 8 <sup>th</sup> SEM(ECE) 4 <sup>th</sup> SEM(ECE) 4 <sup>th</sup> SEM(ECE) 8 <sup>th</sup> SEM(ECE)	<b>Anil Kumar J</b> Asst. Prof., Dept. of ECE



**Nrupatunga C M**  
Project Coordinator  
NewGen IEDC



**Malleesh Kumar K S**  
Project Manager  
Centre for Innovation & Entrepreneurship



**Dr. H R Mahadevaswamy**  
Chief Coordinator, NewGen IEDC  
Principal, JNNCE

**NRUPATUNGA. C.M**  
Project Coordinator  
NewGen IEDC,  
JNNCE, Shivamogga

**Malleesh Kumar K S**  
Project Manager  
Centre for Innovation & Entrepreneurship  
JNNCE, Shivamogga

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NewGen IEDC,  
JNNCE, Shivamogga





# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

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

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

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

Ref: 7.1.01/SPP/1333

The Principal,  
Jawaharlal Nehru National College of Engineering,  
Navale,  
Shivamogga - 577 204.

27th March 2019

*KSCST  
B'lore.*



*For Receipt  
G 28/5/19*

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019  
Your Project Proposal Reference No. : **42S\_BE\_2863**

Ref : Your Project Proposal entitled " **IOT BASED REAL - TIME FLASH FLOOD MONITORING AND ALERT SYSTEM**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Ms. Chaithali B H Mutt and others	Budget	Amount (Rs)
Guide/s	Mr. Anand Raj S N	Materials/Consumables	6,000.00
		Labor	-
Department	Telecommunication Engineering	Travel	-
		Miscellaneous	500.00
		Report	500.00
		<b>TOTAL</b>	<b>7,000.00</b>
<b>SEVEN 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 one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :

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

*ALL  
Send copy of RES to  
Dr. Sebeel Ahmed  
Head BENE DEKIST  
to KSCST. HB*

*AG  
Pt No. MR190663  
30/5/19*

Principal

J N N C E Shivamogga