

Annexure – II

(GFR 12-A, GFR 12-B and GFR 12-C)

GFR 12 – A

[(See Rule 238 (1))]

**FORM OF UTILIZATION CERTIFICATE
FOR AUTONOMOUS OF THE GRANTEE ORGANIZATION**

Utilization Certificate for the period April-2021 to March-2022 in respect of recurring/non-recurring
GRANTS-IN-AID/SALARIES/CREATION OF CAPITAL ASSETS

1. Name of the Scheme **New Generation Innovation Entrepreneurship Development Center**
2. Whether recurring or non-recurring grants: **Recurring**
3. Grants position of the beginnings of the Financial year
 - (i) Cash at Bank - 0-00
 - (ii) Unadjusted advances - 0-00
 - (iii) Total - 0-00

4. Details of grants received, expenditure incurred and closing balances: (Actuals)

Unspent Balance of Grants received years [figure as at Sl. No. 3 (iii)]	Interest Earned thereon	Interest deposited back to the Government	Grant received during the year			Total Available Funds (1+2-3+4)	Expenditure incurred	Closing Balance (5-6)
			1	2	3			
			Sanction No. (i)	Date (ii)	Amount (iii)			
0/-	42,261/-	42,261/-	EDII/DST/ NewGenIEDC/18-19/RLS-01/03 13.11.18	04.02.2022	60,00,000/-	60,00,000/-	35,03,547/-	24,96,453/-

Component wise utilization of grants:

Grant-in-aid-General	Grant-in-aid-Salary	Grant-in-aid-creation of capital assets	Total
31,43,547-00	3,60,000-00	0-00	35,03,547-00

Details of Grants position at the end of the year

- (i) Cash at Bank - 24,96,453/-
- (ii) Unadjusted advances - 0/-
- (iii) Total - 24,96,453/-

Certified that I have satisfied myself that the conditions on which grants were sanctioned have been duly fulfilled/are being fulfilled and that I have exercised following checks to see that the money has been actually utilized for the purpose for which it was sanctioned:

- (i) The main accounts and other subsidiary accounts and registers (including assets registers) are maintained as prescribed in the relevant Act/Rules/Standing instructions (mentioned the Act/Rules) and have been duly audited by designated auditors. The figures depicted above tally with the audited figures mentioned in financial statements/accounts.
- (ii) There exist internal controls for safeguarding public funds/assets, watching outcomes and achievements of physical targets against the financial inputs, ensuring quality in asset creation etc. & the periodic evaluation of internal controls is exercised to ensure their effectiveness.
- (iii) To the best of our knowledge and belief, no transactions have been entered that are in violation of relevant Act/Rules/Standing instructions and scheme guidance.
- (iv) The responsibilities among the key functionaries for execution of the scheme have been assigned in clear terms and are not general in nature.
- (v) The benefits were extended to the intended beneficiaries and only such areas/districts were covered where the scheme was intended to operate.
- (vi) The expenditure on various components of the scheme was in the proportions authorized as per the scheme guidelines and terms and conditions of the grants-in-aid.
- (vii) It has been ensured that the physical and financial performance under **DST-New Gen IEDC** (name of the scheme has been according to the requirements, as prescribed in the guidelines issued by Govt. of India and the performance/targets achieved statement for the year to which the utilization of the fund resulted in outcomes given at Annexure – I duly enclosed.
- (viii) The utilization of the fund resulted in outcomes given at Annexure – II duly enclosed (to be formulated by the Ministry/Department concerned as per their requirements/specifications.)
- (ix) ~~Details of various schemes executed by the agency through grants-in-aid received from the same Ministry or from other Ministries is enclosed at Annexure – II (to be formulated by the Ministry/Department concerned as per their requirements/specifications).~~

Date: 30/05/2022

Place: JNNCE Shivamogga



Signature of
Account Officer

Accounts Department


**J N N College of Engineering
Shivamogga.**



Signature of
Head of the Organization

Principal

**J N N College of Engineering
Shivamogga.**



Signature of
Chartered Accountant (CA)

UDIN : 22214269AJXJLT6895

GFR 12 – B
[See Rule 256 (2)]

FORM OF UTILIZATION CERTIFICATE

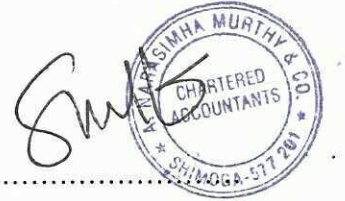
April-2021 to March-2022

- (1) Certified that out of the Grant of **Rs.60,00,000/- (Sixty Lakhs only)** SANCTIONED under **EDII/DST–NewGen IEDC/18-19/RLS-01/03** dated: **13.11.2018**, in favour of **Jawaharlal Nehru New College of Engineering** during the **period April-2021 to March-2022** an amount of **Rs.35,03,547/- (Thirty-Five Lakh Three Thousand Five Hundred Forty-Seven Rupees Only)** has been utilized for the purpose for which it was sanctioned, and that the balance of **Rs.24,96,453/- (Twenty-Four Lakh Ninety-Six Thousand Four Hundred Fifty-Three Only)** remaining unutilized at the end of the **period April-2021 to March-2022** has been surrendered to the Government **Rs.24,96,453/- DD No : 089125, Dated 26.05.2022.**
- (2) Certified that I have satisfied myself that the conditions on which the Grant was sanctioned have been duly fulfilled / are being fulfilled and that I have exercised the following checks to see that the money was actually spend for the purpose for which the Grant was made.

Kinds of checks exercised

1. Bills/Vouchers etc.,
2. Bank Statements
3. Cashbook & Ledgers
4. Demand Drafts

Signature.....



Designation: **Chartered Accountant**

Date... **30/05/2022**

UDIN: **22214269AJXJLT6895**

ANNEXURE III

~~PROFORMA FOR~~ STATEMENT OF AUDITED EXPENDITURE

April-2021 to March-2022

Name and address of the HI/NewGen IEDC : **Principal**
Jawaharlal Nehru New College of Engineering,
Shivamogga

EDII's Sanction Letter No. & Date : EDII/DST-NewGen IEDC/18-19/03 Dated 13.11.2018


Amount (Rs.) : 60,00,000-00

Purpose of Grant : **Innovation and Entrepreneurship**

Sr. No.	Items of expenditure	Sanctioned Expenditure	Actual Expenditure	Variation (Shortfall)	Reasons / Justification for Variation
1	2	3	4	5	6
2	Recurring Grants (Salary, Contingency Expenses)	Rs.10,00,000/-	Rs.4,42,930/-	Rs.5,57,070/-	*Due to time constraint unable to utilize fund
2	Recurring Grants (Prototype Development Grant)	Rs.50,00,000/-	Rs.30,60,617/-	Rs.19,39,383/-	*Due to non-Receipt of quality project proposals & Some projects were completed with less amount
	Total	Rs.60,00,000/-	Rs.35,03,547/-	Rs.24,96,453/-	

Total Rupees. Thirty-Five Lakhs Three Thousand Five Hundred Forty-Seven only

Date : 30/05/2022


245722
Authorized signatory of
Head of the Institution
Principal
J N N College of Engineering
Shivamogga.


IEDC Chief Coordinator
Chief Co-ordinator
JNNCE-NewGen IEDC
J.N.N.College of Engineering
Shivamogga


Chartered Accountant
UDIN: 22214269AJXJLT6895



Annexure – II

(GFR 12-A, GFR 12-B and GFR 12-C)

GFR 12 – A

[(See Rule 238 (1))]

**FORM OF UTILIZATION CERTIFICATE
FOR AUTONOMOUS OF THE GRANTEE ORGANIZATION**Utilization Certificate for the period April-2022 to March-2023 in respect of recurring/non-recurring
GRANTS-IN-AID/SALARIES/CREATION OF CAPITAL ASSETS

1. Name of the Scheme **New Generation Innovation Entrepreneurship Development Center**
2. Whether recurring or non-recurring grants: **Recurring**
3. Grants position of the beginnings of the Financial year
 - (i) Cash at Bank - **0-00**
 - (ii) Unadjusted advances - **0-00**
 - (iii) Total - **0-00**

4. Details of grants received, expenditure incurred and closing balances: (Actuals)

Unspent Balance of Grants received years [figure as at Sl. No. 3 (iii)]	Interest Earned thereon	Interest deposited back to the Government	Grant received during the year			Total Available Funds (1+2-3+4)	Expenditure incurred	Closing Balance (5-6)
			Sanction No. (i)	Date (ii)	Amount (iii)			
1	2	3	4			5	6	7
0/-	48,816/-	48,816/-	EDII/DST/ NewGenIEDC/18- 19/RLS-01/03 13.11.18	27.01.2023	60,00,000/-	60,00,000/-	33,84,947/-	26,15,053/-

Component wise utilization of grants:

Grant-in-aid-General	Grant-in-aid-Salary	Grant-in-aid-creation of capital assets	Total
32,04,947/-	1,80,000-00	0-00	33,84,947-00

Details of Grants position at the end of the year

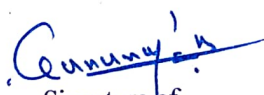
- (i) Cash at Bank - **26,15,053/-**
- (ii) Unadjusted advances - **0/-**
- (iii) Total - **26,15,053/-**

Certified that I have satisfied myself that the conditions on which grants were sanctioned have been duly fulfilled/are being fulfilled and that I have exercised following checks to see that the money has been actually utilized for the purpose for which it was sanctioned:

- (i) The main accounts and other subsidiary accounts and registers (including assets registers) are maintained as prescribed in the relevant Act/Rules/Standing instructions (mentioned the Act/Rules) and have been duly audited by designated auditors. The figures depicted above tally with the audited figures mentioned in financial statements/accounts.
- (ii) There exist internal controls for safeguarding public funds/assets, watching outcomes and achievements of physical targets against the financial inputs, ensuring quality in asset creation etc. & the periodic evaluation of internal controls is exercised to ensure their effectiveness.
- (iii) To the best of our knowledge and belief, no transactions have been entered that are in violation of relevant Act/Rules/Standing instructions and scheme guidance.
- (iv) The responsibilities among the key functionaries for execution of the scheme have been assigned in clear terms and are not general in nature.
- (v) The benefits were extended to the intended beneficiaries and only such areas/districts were covered where the scheme was intended to operate.
- (vi) The expenditure on various components of the scheme was in the proportions authorized as per the scheme guidelines and terms and conditions of the grants-in-aid.
- (vii) It has been ensured that the physical and financial performance under **DST-New Gen IEDC** (name of the scheme has been according to the requirements, as prescribed in the guidelines issued by Govt. of India and the performance/targets achieved statement for the year to which the utilization of the fund resulted in outcomes given at Annexure – I duly enclosed.
- (viii) The utilization of the fund resulted in outcomes given at Annexure – II duly enclosed (to be formulated by the Ministry/Department concerned as per their requirements/specifications.)
- (ix) ~~Details of various schemes executed by the agency through grants in aid received from the same Ministry or from other Ministries is enclosed at Annexure II (to be formulated by the Ministry/Department concerned as per their requirements/specifications).~~

Date:

Place: JNNCE Shivamogga




Signature of
Accounts Officer

Accounts Department
J N N College of Engineering
Shivamogga.



Signature of
Head of the Organization

Principal I.C.
J N N College of Engineering
Shivamogga. 



Signature of
Chartered Accountant (CA)



UDIN: 23214269BGXG DW3385

GFR 12 – B
[See Rule 256 (2)]

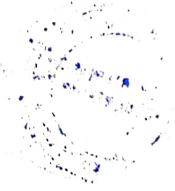
FORM OF UTILIZATION CERTIFICATE

April-2022 to March-2023


- (1) Certified that out of the Grant of **Rs.60,00,000/- (Sixty Lakhs only)** SANCTIONED under **EDII/DST–NewGen IEDC/18-19/RLS-01/03** dated: **13.11.2018**, in favour of **Jawaharlal Nehru New College of Engineering** during the period **April-2022 to March-2023** an amount of **Rs.33,84,947/- (Thirty-Three Lakh Eighty-Four Thousand Nine Hundred Forty-Seven Rupees Only)** has been utilized for the purpose for which it was sanctioned, and that the balance of **Rs.26,15,053/- (Twenty-Six Lakh Fifteen Thousand Fifty-Three Only)** remaining unutilized at the end of the period **April-2022 to March-2023** has been surrendered to the Government **Rs.26,15,053/- DD No : 089220, Dated 23.06.2023.**
- (2) Certified that I have satisfied myself that the conditions on which the Grant was sanctioned have been duly fulfilled / are being fulfilled and that I have exercised the following checks to see that the money was actually spend for the purpose for which the Grant was made.

Kinds of checks exercised

1. Bills/Vouchers etc.,
2. Bank Statements
3. Cashbook & Ledgers
4. Demand Drafts



Signature.....
Designation: **Chartered Accountant**
Date.....





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@isc.ac.in, office@kscst.org.in • Website: www.kscst.isc.emet.in, www.kscst.org.in

Mr. H. Hemanth Kumar
Executive Secretary

11th May, 2022

Ref: 7.1.01/SPP/91

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

Dear Sir/Madam,

Sub : Sanction of Student Project - 45th Series: Year 2021-2022

Project Proposal Reference No. : 45S_BE_3188

Ref : Project Proposal entitled **MEDICAL IMAGE SECURITY THROUGH FEATURE BASED WATERMARKING**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 45th Series". The project details are as below:

Student(s)	Ms. PANKAJA T S	Department	COMPUTER SCIENCE AND ENGINEERING
	Mr. NISHAD ANJUM P		
	Ms. PADMAVATHI A		
	Ms. AISHWARYA S		
Guide(s)	Mrs. AYESHA SIDDIQA	Sanctioned Amount (In Rs.)	6,000.00

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/YMn9K7XETu96i8KbA>. The synopsis should include following:
 - Project Reference Number
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords
 - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
 - Objectives (about 10 lines)



Chetan KR <chetankr@jnnce.ac.in>

IEDC Project Proposal for 3rd year funding

2 messages

Basappaji K M <bas_km@jnnce.ac.in>

Tue, Oct 12, 2021 at 3:30 PM

To: Chetan KR <chetankr@jnnce.ac.in>, Arun V <arun.v@jnnce.ac.in>, Mallesh Kumar K S <malleshkumarks@jnnce.ac.in>, Prema K N <premakn@jnnce.ac.in>

Dear Sir/Madam

Happy to inform you that your proposed project is tentatively selected by the screening committee.

You can start your work without any financial obligations from IEDC for the time being. Also you have to adhere to prototype submission by March 2022 and have to submit the detailed business plan for commercialization of your product or service.

--

With warm regards

Dr. K M Basappaji

Professor


Department of Mechanical Engineering

JNN College of Engineering

Shimoga 577204

Karnataka

Phone: + 91 9886139971

 **Mentors_Agreement_3rd year_funding.docx**
68K

Chetan KR <chetankr@jnnce.ac.in>

Tue, Oct 12, 2021 at 8:25 PM

To: Nidhishree MP 4JN18CS060 <nidhishreemp24@gmail.com>, 4JN18CS012 Ananya V bhatt <ananyavbhatt23@gmail.com>, 4JN18CS022 Chetana Prabhu <prabhuchetana777@gmail.com>

[Quoted text hidden]

--

Chetan K R

Asst. Professor

Dept. of CSE,

JNNCE, Shivamogga

 **Mentors_Agreement_3rd year_funding.docx**
68K



National Education Society®

J N N College of Engineering

NewGen Innovation Entrepreneurship Development Centre
Shivamogga
(Funded by NSTEDB, DST, Government of India & Implemented by EDII, Ahmedabad)

We are happy to inform you that your project proposal is selected for 3rd year IEDC funding by the screening committee. Congratulations.

As you know, the aspiration of IEDC is to promote innovation and entrepreneurship among students, alumni and faculty. It focusses on establishing start-ups/ manufacturing facility inside or outside the institute. The funding is to the tune of Rs. 200,000/- for project and Rs. 50,000/- for scholarship for team members. At present the JNNCE New-Gen IEDC has not received the funds and it will not hold any financial obligation till it is received. The expectation is to complete a prototype by March 2022 with complete plan for commercialization.

You have to provide the details of your project execution along with thorough plans for the commercialization. You are required to abide by the rules and regulations of JNNCE New-Gen IEDC.

Expecting your cooperation in utilizing the 3rd year IEDC funds effectively.

Thanking you,

Sd/-

Dr. Basappaji K M

Chief Coordinator

JNNCE New-Gen IEDC



JNN College of Engineering

Shivamogga

ewGen Innovation Entrepreneurship Development Centre

(Funded by NSTEDB, DST, Government of India & Implemented by EDII, Ahmedabad)



Declaration of Intent

Project Title	Intelligent Air Quality Classifier using Machine Learning and IoT														
Mentor/s (With affiliation)	Dr. Chetan K R Associate Professor, Dept. of CSE, JNNCE, Shivamogga														
Team Members (With affiliation)	1. Nidhishree MP (4JN18CS060) 2. Chetana Prabhu H (4JN18CS022) 3. Ananya v bhatt (4JN18CS012)														
Plan of execution (Month wise plan culminating in a working prototype by March 2022)	With the feedback given during demo session, we have replanned to implement as a portable economic AQI device, where output shall be available in APPs. With this planning, following is the execution schedule for creating a working prototype: <table border="1" data-bbox="439 1160 1218 1810"> <thead> <tr> <th>Month</th> <th>Module to be Implemented</th> </tr> </thead> <tbody> <tr> <td>Oct 2021</td> <td>Implementation for measuring particulate matter, NOx, and NH3</td> </tr> <tr> <td>Nov 2021</td> <td>Implementation for measuring CO and SO2</td> </tr> <tr> <td>Dec 2021</td> <td>Implementation for measuring Benzene, Toulene and Xylene</td> </tr> <tr> <td>Jan 2022</td> <td>Acquiring collected data in firestores and applying machine learning for prediction of AQI</td> </tr> <tr> <td>Feb 2022</td> <td>App Development with Kotlin to check predicted AQIs</td> </tr> <tr> <td>March 2022</td> <td>Intelligent Analytics and Visualization of the data collected</td> </tr> </tbody> </table>	Month	Module to be Implemented	Oct 2021	Implementation for measuring particulate matter, NOx, and NH3	Nov 2021	Implementation for measuring CO and SO2	Dec 2021	Implementation for measuring Benzene, Toulene and Xylene	Jan 2022	Acquiring collected data in firestores and applying machine learning for prediction of AQI	Feb 2022	App Development with Kotlin to check predicted AQIs	March 2022	Intelligent Analytics and Visualization of the data collected
Month	Module to be Implemented														
Oct 2021	Implementation for measuring particulate matter, NOx, and NH3														
Nov 2021	Implementation for measuring CO and SO2														
Dec 2021	Implementation for measuring Benzene, Toulene and Xylene														
Jan 2022	Acquiring collected data in firestores and applying machine learning for prediction of AQI														
Feb 2022	App Development with Kotlin to check predicted AQIs														
March 2022	Intelligent Analytics and Visualization of the data collected														
Utility of the project/service	This tool or device developed would be an essential product in every household. Like oximeters, BP monitors have become an essential														



J N N College of Engineering

Shivamogga

NewGen Innovation Entrepreneurship Development Centre

(Funded by NSTEDB, DST, Government of India & Implemented by EDII, Ahmedabad)

	product for every house, measurement of air quality and tracking them continuously shall be the need of the hour. Self-measurement of AQI will make people themselves more responsible and sensible towards environment protection. Further this project can be extended with intelligent analytics and give valuable inputs for Smart City Development.
Scope for patentability	It has scope for patentability as such device will be a novel intelligent air quality indicator with machine learning involved.
Target customer (expressed quantitatively)	It can be a needed product for each household, industry and organizations. Various levels of intelligence can be added for each targeted entity. We would expect there shall be at least 1 lakh households, 1000 industries and 100 organizations using it.
Plans for commercialization	We want to develop a startup and then commercialize using this startup. Reduction of cost and making it affordable by mass production of this device and effective marketing are also planned for commercialization of this product
We, the team members hereby declare that the information provided above are true to our knowledge and we abide by the rules and regulations as stipulated by JNNCE New-Gen IEDC, Shivamogga.	
Name & signature	
Dr. Chetan K R (Mentor)	
Nidhishree MP (4JN18CS060)	
Chetana Prabhu H (4JN18CS022)	
Ananya v bhatt (4JN18CS012)	

Jalesh Kumar

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 || Phone: 080-23341652, 23348840/48/49

44th Series of Student Project Programme: 2020-21

List of Student Project Proposals Approved for Sponsorship

78. JAWAHARLAL NEHRU NEW COLLEGE OF ENGINEERING, SHIVAMOGGA

Sl. No.	PROJECT REFERENCE No.	PROJECT TITLE	BRANCH	COURSE	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	SANCTIONED AMOUNT (IN Rs.)
490.	44S_BE_1056	AUTOMATED WHEEL CHAIR NAVIGATION AND HEALTH MONITORING THROUGH OPEN-COMPUTER VISION USING RASPBERRY PI	ELECTRONICS AND COMMUNICATION ENGINEERING	B.E.	Mrs. SHWETHA H R	Mr. SURETH U S Ms. NIKHITHA V MELIGE Mr. SANJAY D GOWDA Mr. SHABARISH REDDY B S	8000.00
491.	44S_BE_1059	HIGH STRENGTH 3D PRINTING FOR SAND CASTING	MECHANICAL ENGINEERING	B.E.	Prof. PRADEEP N B	Mr. SUNIL KUMAR H Mr. MASHAK B Mr. NINGRAJA	7000.00
492.	44S_BE_1061	PORTABLE GRAPHENE-OXIDE, VETIVER GRASS AND UV LIGHT BASED MULTISTAGE FILTRATION UNIT FOR WATER PURIFICATION	MECHANICAL ENGINEERING	B.E.	Dr. SANTHOSH U	Mr. ARUN KUMAR H Y Mr. LOHITH MP Mr. CHANDAN S B Mr. CHANDAN KUMAR K N	5000.00
493.	44S_BE_1064	COVID FACE MASK DETECTION USING CNN MODEL	COMPUTER SCIENCE AND ENGINEERING	B.E.	Dr. JALESH KUMAR	Ms. SNEHA V K Ms. DHANYA B N Ms. SINCANA S S Ms. TEJASWINI D S	2500.00
494.	44S_BE_1070	MARINE ROBOT USING RADAR SYSTEM(RIVER CLEANING ROBOT)	TELECOMMUNICATION ENGINEERING	B.E.	Mr. AMARARPA S	Mr. ABU SAWOOD Mr. GOJTHAM PATIL H M Mr. MOHAMMED FAZAN Mr. ANIRUDDA B U	5500.00
495.	44S_BE_1071	SMART GLASS FOR BLIND PEOPLE	TELECOMMUNICATION ENGINEERING	B.E.	Prof. MADHUSUDHAN G.	Mr. ASHISH S SHETTY Mr. CHANDRASHEKAR K Mr. RAHUL V. Mr. NITHIN B.M.	5000.00
496.	44S_BE_1072	DESIGN OF HIGHWAY HYBRID WIND AND SOLAR POWER GENERATION AND ITS MONITORING USING IOT	ELECTRICAL AND ELECTRONICS ENGINEERING	B.E.	Prof. SOUMYA K T	Mr. SANJAY J Mr. SIDDARAJU R HIREMATHA Mr. NITHIN N M Mr. SRIVATHSA MITHYANTHA	7000.00
497.	44S_BE_1755	HOSPITAL BED FOR THE TROPIC ULCER PATIENTS USING ELECTRIC ACTUATOR	ELECTRICAL AND ELECTRONICS ENGINEERING	B.E.	Dr. THEJASWAI H Prof. RESHMA. P	Mr. PREETHAM KR Mr. RAJU V Mr. VIGNESH S VERNEKAR Mr. CHETHANK T	8000.00

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

Website: <http://www.kskst.iisc.ernet.in/spp.html> || Email: spp@kskst.iisc.ernet.in || Phone: 080-23600978

STUDENT PROJECTS PROGRAMME: 42nd SERIES – STATE LEVEL SEMINAR AND EXHIBITION

List of Projects Selected for State Level Seminar and Exhibition (S&E) to be held at

K.L.E. Dr. M.S. Sheshgiri College of Engineering and Technology, Udyambag, Belagavi on 26th and 27th July 2019

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	NAME OF THE GUIDE	NAME OF THE CO-GUIDE	NAME OF THE TEAM LEADER	NAME OF THE STUDENT 2	NAME OF THE STUDENT 3	NAME OF THE STUDENT 4	SEMINAR OR EXHIBITION
135.	42S_BE_2042	BLISS-BOOST AI CHATBOT TO TRACE OUT DEPRESSION, ANXIETY AND ALZHEIMERS	COMPUTER SCIENCE AND ENGINEERING	Dr. JALESH KUMAR	-	Ms. SPOORTHI P	Ms. SPOORTHI CHINIVAR	Ms. SANJANA M B	Ms. RIVA B MULANI	SEMINAR
136.	42S_BE_2863	IOT BASED REAL - TIME FLASH FLOOD MONITORING AND ALERT SYSTEM	TELECOMMUNICATION ENGINEERING	Mr. ANAND RAO S N	-	Ms. CHAITHALI B HMUTT	Ms. BHOONIKA. C	Ms. MEGHANA. G. P	Ms. RAKSHITHA. S	EXHIBITION

Note:

- You are requested to send the hard bound copy of the project report along with softcopy of the full report in a CD in PDF format.
- Any corrections with respect to Guide and Students name, kindly send an email regarding the same to spp@kskst.iisc.ernet.in.



National Education Society®
Jawaharlal Nehru New College of Engineering, Shivamogga.
Department of Civil Engineering



Navule, Shimoga,
Karnataka -577204
Phone +91-081822 70450
Email: hod_civil@jnncce.ac.in

**Research Project Proposal and Agreement Form
PART-A**

TITLE OF THE RESEARCH WORK (*Kindly fill in BLOCK letters*)

LABORATORY STUDY OF TERRAZYME STABILIZED SOIL FOR PAVEMENTS

SCOPE OF THE CONSULTANCY (*attach separate sheet, if necessary*), *As per Annexure 1*

RESEARCH IN-CHARGE

Name: Arun V

Designation: Asst. Professor

Department/Centre: Civil Engineering

Telephone:

EPABX: Extn

Email: arun.v@jnncce.ac.in

EXPECTED TIME SCHEDULE

Duration:

Years

Months

weeks

Starting Date: 15/12/2021

00

10

CLIENT DETAILS (*Kindly fill in BLOCK letters*)

Firm's Name: Avijeet Agencies (P) Ltd.

Address: H5(25), Ground Floor,
Subramanian Manor
4th Main Road, Anna Nagar (E)

Contact Person's Name: Mr Apoorva Modi

Designation: Vice President,

Mob: 9345635353, Phone: 044 32961858

EMail Id: apoorva@avijeetagencies.com

City: Chennai

Pin: 600102

Ext : Fax

TOTAL CHARGES AND PAYMENT DETAILS: Rs 2.5 Lakhs + DCPT equipment

Mode of payment: By Cheque.

By draft

Telegraphic transfer: RTGS:

Foreign

Currency:

Indian Rupees

Country:

Currency: INR

Payment enclosed Full Payment

Part Payment

Total Value (in figures)

Rs. 1,22,500/-

Total Value (in words)

Rupees One lakh twenty-two
thousand five hundred only

Banks Name and branch

Axis Bank, Anna nagar
West Branch

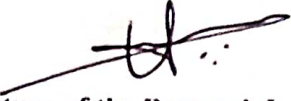
DD/Cheque No.

DD/Cheque Amount

DD/Cheque Date

AGREEMENT BETWEEN CLIENT AND CONSULTANT

This agreement is subject to the Standard Terms and Conditions contained herein (overleaf) for undertaking research projects at JNNCE Shimoga. The Reseach In-charge(s) certify that these terms and conditions have been made known to the client organization and it has agreed to adhere to the same.



Signature of the Research In-Charge

Date: 15/12/21

ARUN. V. M.Tech.,MISTE.,
Assistant Professor
Dept. of Civil Engineering
J. N. N. College of Engineering
SHIMOGA-577 204

For AVIJEET AGENCIES (P) LTD.

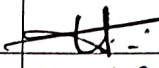
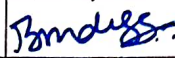
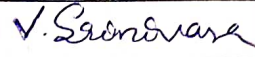


Signature of the Client

Mandate Holder / Director

PART – B

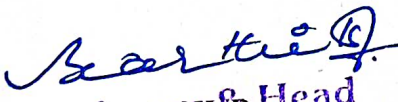
DETAILS OF THE RESERCH INCHARGE AND CO-RESEARCH INCHARGE(S)

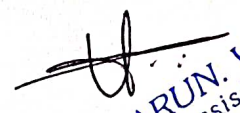
Employee's Name	Designation	Dept/Centre	Signature
Cl: Mr. Arun V	Assistant Professor	Civil	
Co-Cl: Mrs Bindya K	Assistant Professor	Civil	
Co-Cl: Mr Sreenivasa	Assistant Professor	Civil	

BREAKUP OF TOTAL CHARGES

Sl No	Budget Head Description	Approximate Amount (Rs.)
I.	EXPENSES Recurring/Non-Recurring (salary/Cost of labour, Honorarium to staff/Outside Consultants, Travel. Contingency, Consumables, Equipment's, Materials, etc.)	1,12,000.00
II.	FEE FOR SCIENTIFIC & TECHNICAL ADVICE	50,000.00
III.	INSTITUTE OVERHEAD CHARGES	50,000.00
IV.	TOTAL CHARGES (1+2+3)	2,12,000.00
V.	GST @ 18% OF 4 (Total Charges)	38,160.00
VI.	GROSS AMOUNT (4+5)	2,50,160.00

Note:- DCPT equipment will be sponsored by the client to JNN College of Engineering, Shivamogga.


Signature of HOD
Department of Civil Engineering
J.N.N. College of Engineering,
Shivamogga-577 204.


Signature of the Research In-charge
Date: 15/12/2017
Mobile: 9980888509
ARUN. V. M. Tech. MISTE.,
Assistant Professor
Dept. of Civil Engineering
J.N.N. College of Engineering
SHIMOGGA-577 204

STANDARD TERMS AND CONDITIONS OF CONTRACT FOR CONSULTANCY

Title of the Consultancy Job:

LABORATORY STUDY OF TERRAZYME STABILIZED SOIL FOR PAVEMENTS

Name & Address of the Client:

Avijeet Agencies (P) Ltd., Chennai

Name and Dept. /Centre of the Research In-charge:

Mr. Arun. V, Department of Civil Engineering, JNNCE Shimoga.

These terms and conditions are to cover projects for the development of products, processes, field studies, model studies, calculations, economic and technical consulting and other forms of project of specific interest to the client. The conditions are binding unless otherwise agreed upon in a separate signed document.

- 1. PROJECT PLANNING:** the institute shall, together with the client, prepare work plan and budget for the project or parts of the project wherever the project size or subject makes this necessary. This plan shall normally be accepted by the Client before commencement of the work on the project. The institute shall supply information regarding the progress of the project at any time at the client's request. The client may with the agreement of the Institute, follow the progress of the project personally, or through a third party named by the Client. The Institute and the Client shall agree on the form and frequency of formal reports concerning the progress and the result of the project.
- 2. RESPONSIBILITY:** The Institute undertakes to carry out the project as conscientiously as conditions allow, but accepts no economic responsibility should the work not lead to expected results. The Institute accepts the project on condition that the Client renounces all right to claim damages for losses sustained directly or indirectly in consequence of the work done by the Institute.
- 3. DISCRETION:** The institute undertakes to handle with discretion reports, results, the identity of the client and all material which the client places at the disposal of the institute in connection with the project.
- 4. SUB-CONTRACTING:** The institute reserves the right to allow any work, experimental or otherwise to be carried out by a third party provided this does not


ARUN. V. M. Tech., MISTE.,
Assistant Professor
Dept. of Civil Engineering
J. N. N. College of Engineering
SHIMOGA-577 204

For AVIJEET AGENCIES (P) LTD.


Mandate Holder / Director

result in the danger of information of a confidential nature coming into the hands of unauthorized persons.

5. **RESULTS OF THE PROJECT:** The results of all work done at the institute by the institute in connection with the project, incorporated in written reports in accordance with paragraph 1, shall remain the property of the client. Results arrived at with little or no involvement on the part of the client are available free of charge for the clients own use. However, the institute reserves the right to use such results in connection with activities outside the scope of the project. Inventions are covered in paragraph 6. If the client consists of several individuals, all questions of client, rights between the clients must be settled between such individuals, and are of no concern to the institute. Unless otherwise agreed, all reports are to be sent to the client in triplicate. The institute has the right to retain a copy.
6. **INVENTIONS:** All reports of the institute on the project are the property of the client. This includes patentable interventions while working on the project.
7. **PUBLISHING THE RESULTS/OUTCOME OF THE CONSULTANCY:** The results/outcome of the consultancy must not be exploited by the client organisation for its business interests by using JNNCE Shivamogga name/logo through press advertisement/ publicity material or in any other manner. Manuscripts of academic papers, brochures, advertisements or other form of published material which refer to or quote the proprietary results of the project shall be vetted by both parties before publications.
8. **COMMUNICATION OF RESULTS TO A THIRD PARTY:** The Institute may not, without the written agreement of the Client, communicate the results of the project to a third party. The Client shall arrange the necessary written agreement of all parties on the Client's side who may have publication rights with respect to the project.
9. **PROJECTS FOR OTHER CLIENTS:** The Institute may normally undertake other project's the same field provided – to the best of the Institute's knowledge and belief – there exists no danger of information of a confidential nature coming into hands of a third party. Any agreement to restrict the Institute from undertaking similar projects during or after the life of the project, shall be covered by a separate contract.
10. **APPARATUS:** Instruments and/or equipment obtained in connection with the project and charged to the client remain the property of JNNCE Shimoga.
11. **TERMINATION OF THE PROJECT:** The Client has a right to terminate the project at any time, but shall be liable for all reasonable expenses incurred in connection with halting work already in progress according to the agreed work program. The Institute has also the right to terminate the project with three months' notice accept where otherwise agreed upon. The Client in this case will not be liable for any expenses incurred after the period of notice.

ARUN J. M. MISTE.,
Assistant Professor
Dept. of Civil Engineering
J. N. N. College of Engineering
SHIMOGA-577 204

For AVIJEET AGENCIES (P) LTD.

Mandate Holder / Director

12. **DETAILS OF THE WORK:** The scope, duration and other details of the work to be carried out under this study as agreed by the Client and consultant are mentioned in Annexure – 1.

13. **NORMAL TERMS OF PAYMENT:** The payment of the Institute charges for the research project are required to be deposited in full (unless otherwise it is specially agreed by the Institute) before the start of the work, through a crossed bank draft/cheque (bank drafts in the case of private organizations and by draft/cheque for others). The draft/cheque is to be drawn in favour of “Secretary, NES, Shivamogga” and in case of NEFT :

Account number:- 1820101017484

IFSC Code :- CNRB0001820

Type of Account:- Savings bank account

Name of Account:- Secretary, NES, Shivamogga

Bank Address :- Canara bank, Sheshadripuram Branch, Shivamogga

and send the information to the HOD, Department of civil engineering, JNNCE Shimoga.

14. **DISPUTES:** In the event of any dispute or difference between the parties hereto, such dispute or differences shall be resolved amicably by mutual consultation. If such resolution is not possible, then the unresolved dispute or difference shall be referred to an outside arbitrator to be nominated by the principal of the institute for a reasoned Award. The Award of the arbitrator shall be binding on the parties to the dispute.

15. **TAX:** As per G.O.I., 18% GST will be levied on total consultancy charges and this amount is to be borne by the client organization.

Date: 15/12/21

Name & Signature of Research
In charge

ARUN. V. M. IETE., MISTE.,
Assistant Professor
Dept. of Civil Engineering
J. N. N. College of Engineering
SHIMOGA-577304

Place: Shimoga

For ANJEEET AGENCIES (P) LTD.

Mandate Holder / Director
Client
(With office seal)

Details of the Work

Name of the work: Performance Evaluation of Terrazyme Stabilized Roads constructed under PMGSY

Duration:

Scope of Work:

The scope of work is given below:

- a. Geotechnical Characterization of selected soil (Sieve Analysis, Free Swell Index, Atterberg limits, Proctor compaction test, and CBR).
- b. To determine the optimum dosages of cement and TerreZyme stabilizer.
- c. Determination of CBR, Unconfined compressive strength (UCS) and Durability of soil stabilized with cement and TerreZyme stabilizer.
- d. Analysis of laboratory test results.
- e. Pavement Design
- f. Report Submission.
- g. Payment will be made in four instalments as mentioned below:
 - 50% as advance before starting the work and sponsorship of DCPT equipment.
 - 25% after completion of 3 months.
 - 25% before submitting the report

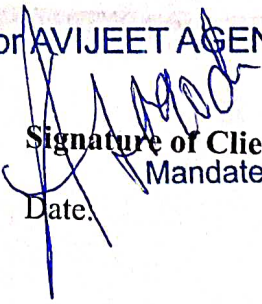

Signature of the Research in charge

Date:

15/02/20

ARUN V. M. M.Tech., MISTE.,
Assistant Professor
Dept. of Civil Engineering
J. N. N. College of Engineering
SHIMOGA-577

For **AVIJEET AGENCIES (P) LTD.**


Signature of Client

Mandate Holder / Director

Date:



National Education Society®



J N N College of Engineering

Shivamogga

NewGen Innovation Entrepreneurship Development Centre

(Funded by NSTEDB, DST, Government of India & Implemented by EDII, Ahmedabad)

To

Dr Sugosh P

Department of Civil Engineering

JNNCE, Shimoga

We are happy to inform you that your project proposal titled:

Development of Software Interface for MSW Collection and Vehicle Routing Optimization

is selected for 3rd year IEDC funding by the screening committee. Congratulations.

As you know, the aspiration of IEDC is to promote innovation and entrepreneurship among students, alumni and faculty. It focusses on establishing start-ups/ manufacturing facility inside or outside the institute. The funding is to the tune of Rs. 200,000/- for project and Rs. 50,000/- for scholarship for team members. At present the JNNCE New-Gen IEDC has not received the funds and it will not hold any financial obligation till it is received. The expectation is to complete a prototype by March 2022 with complete plan for commercialization.

You have to provide the details of your project execution along with thorough plans for the commercialization. You are required to abide by the rules and regulations of JNNCE New-Gen IEDC.

Expecting your cooperation in utilizing the 3rd year IEDC funds effectively.

Thanking you,

Sd/-

Dr. Basappaji K M

Chief Coordinator

JNNCE New-Gen IEDC



Arun V <arun.v@jnnce.ac.in>

IEDC Project Proposal for 3rd year funding

2 messages

Basappaji K M <bas_km@jnnce.ac.in>

Tue, Oct 12, 2021 at 3:30 PM

To: Chetan KR <chetankr@jnnce.ac.in>, Arun V <arun.v@jnnce.ac.in>, Mallesh Kumar K S <malleshkumarks@jnnce.ac.in>, Prema K N <premakn@jnnce.ac.in>

Dear Sir/Madam

Happy to inform you that your proposed project is tentatively selected by the screening committee.

You can start your work without any financial obligations from IEDC for the time being. Also you have to adhere to prototype submission by March 2022 and have to submit the detailed business plan for commercialization of your product or service.

--

With warm regards

Dr. K M Basappaji

Professor

Department of Mechanical Engineering

JNN College of Engineering

Shimoga 577204

Karnataka

Phone: + 91 9886139971

**Mentors_Agreement_3rd year_funding.docx**

68K

Arun V <arun.v@jnnce.ac.in>

Tue, Oct 12, 2021 at 4:05 PM

To: Basappaji K M <bas_km@jnnce.ac.in>

Thank you for selecting NewGen IEDC 3rd funding project sir...will do my best sir...Thank you

--

*Thanks and Regards,**Arun. V.,**Asst. Professor,**Dept of Civil Engg.,**JNN College of Engineering,**Shimoga-577204,**KARNATAKA, INDIA.*

[Quoted text hidden]

507.	45S_BE_3270	A WEB BASED INFORMATION SYSTEM FOR THE MANAGEMENT OF ICU BEDS DURING THE COVID -19 OUTBREAK	B.E.	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	Mr. MADHUKAR C S	Ms. LEKHANA G T Ms. AKSHATHA MANJUNATH RAIKAR Ms. ANUSHA M H Ms. APOORVA H K	5,000.00
508.	45S_BE_3837	AUTOMATIC DOOR OPENING SYSTEM WITH COVID-19 SAFETY MEASURES	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. SAYED AFTAB AHAMED	Ms. PRIYANKA S Ms. S M ANUSHA Ms. SEEMA SHEIK H M Mr. FIZA KHANUM	6,000.00
509.	45S_BE_4571	REAL TIME FIRE DETECTION USING AI AND ML	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mrs. RASHMI R	Mr. MOHAMMED FAIZAN AHAMED Mr. ADARSH N INAMDAR Mr. DARSHAN T M Mr. KARTHIK V T	6,000.00
510.	45S_BE_2600	AUTOMATION OF ARECANUT BOILING AND DRYING PROCESSES USING EMBEDDED SYSTEM	B.E.	MECHANICAL ENGINEERING	Dr. K. SABEEL AHMED	Mr. ADARSHA M P Mr. VARTHESHA H T Mr. SACHIN K CHAVAN Mr. NAVEENKUMARA B H	7,000.00
511.	45S_BE_2702	To study characterization and performance analysis of different Used Cooking Oil (UCO) with solvent blends as fuel source in IC Engines.	B.E.	MECHANICAL ENGINEERING	Dr. RAVI KUMAR B N Mr. CHETHAN S G	Mr. SUMANTH S NADIG Mr. NANDEESH H U Mr. SHREYAS S Mr. LOHITH V	12,000.00
512.	45S_BE_3268	THERMAL ANALYSIS OF WASTE COOKING OIL EXTRACTED FROM DIFFERENT EDIBLE OIL SEEDS	B.E.	MECHANICAL ENGINEERING	Mr. S ABDUL SALEEM	Mr. SHASHANK KULKARNI Mr. RAKESH N Mr. SHASHANK N Mr. SHREENIDHI M L	8,000.00
513.	45S_BE_1927	INTEGRATED SMART POLE	B.E.	TELECOMMUNICATION ENGINEERING	Mrs. ASHWINI S.R.	Ms. ANUSHREE J C Ms. GEETHA Ms. MANALI C V Ms. SANDHYA G	6,000.00

Note:

- The sanctioned amount will be credited to the college bank account by NEFT.
- The evaluation of the above projects will be conducted via online mode during May / June 2022.
- Participation in the online evaluation process is mandatory, failing which the project will be considered incomplete and will be withdrawn from the list and sanctioned amount shall be returned to KSCST.
- After completion of the projects, a softcopy of the report prepared as per the format prescribed by RESPECTIVE UNIVERSITIES shall be uploaded (PDF format in a single file only) in the GOOGLE FORMS provided on the website.
- Any corrections with respect to the names of the guide and students shall be requested at spp@kscst.org.in.



Karnataka State Council for Science and Technology

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

Indian Institute of Science Campus, Bengaluru – 560 012

Telephone: 080-23341652, 23348848, 23348849, 23348840

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

Dr. U T Vijay
Executive Secretary

24th April, 2023

Ref: 7.1.01/SPP/33

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

Dear Sir/Madam,

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

Project Proposal Reference No. : 46S_BE_4946

Ref : Project Proposal entitled **COST EFFECTIVE ESTIMATION OF HYDROPHOBIC SAND AT THE FIELD SCALE**

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

Student(s)	Ms. SINCHANA B.G	Department	CIVIL ENGINEERING
	Ms. ROJA B.C		
	Ms. B.N ROJA		
	Ms. M.R JAIVIKA		
Guide(s)	Mrs. CHAYA D.Y	Sanctioned Amount (in Rs.)	5,000.00
	Mr. CHETHAN S G VERNEKAR		

Instructions:

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



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@isc.ac.in, office@kscst.org.in • Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Mr. H. Hemanth Kumar

Executive Secretary

11th May, 2022

Ref: 7.1.01/SPP/91

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

Dear Sir/Madam,

Sub : Sanction of Student Project - 45th Series: Year 2021-2022

Project Proposal Reference No. : 45S_BE_3270

Ref : Project Proposal entitled **A WEB BASED INFORMATION SYSTEM FOR THE MANAGEMENT OF ICU BEDS DURING THE COVID -19 OUTBREAK**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 45th Series". The project details are as below:

Student(s)	Ms. LEKHANA G T	Department	ELECTRONICS AND TELECOMMUNICATION ENGINEERING
	Ms. AKSHATHA MANJUNATH RAIKAR		
	Ms. ANUSHA MH		
	Ms. APOORVA HK		
Guide(s)	Mr. MADHUKAR C S	Sanctioned Amount (in Rs.)	5,000.00

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/YMn9K7XETu96i8KbA>. The synopsis should include following:
 - Project Reference Number
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords
 - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
 - Objectives (about 10 lines)

45S_BE_3270

- 8) Methodology (about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
 - 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
 - 10) Scope for future work (about 20 lines).
- e) In case of incometed projects, the sanctioned amount shall be returned to KSCST.
 - f) The sanctioned amount will be transferred by NEFT to the bank account provided by the College/Institute.
 - g) The sponsored projects evaluation will be held in the Nodal Centre/Online Mode and the details of the same will be intimated shortly by email / Website announcement.
 - h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and studetn(s) shall be uploaded in the following Google Forms Link <https://forms.gle/PciAaAVisn6bn8AM7>. The report should be prepared in the format prescribed by the university.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The HoD
ELECTRONICS AND TELECOMMUNICATION ENGINEERING
JAWAHARLAL NEHRU NEW COLLEGE OF ENGINEERING, SHIVAMOGGA
- 2) Mr. MADHUKAR C S
ELECTRONICS AND TELECOMMUNICATION ENGINEERING
JAWAHARLAL NEHRU NEW COLLEGE OF ENGINEERING, SHIVAMOGGA
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU

National Education Society (R.,) Shivamogga
Jawaharlal Nehru New College of Engineering, Shivamogga

Project Summary

KSCST 45th SPP: 2021-22

Project title: A web-based information system for management of ICU beds during COVID-19 outbreak

Reference No.: 45S_BE_3270

Department: Telecommunication Engineering

Year: 2018 - 2022

Name of the guide: Prof. Madhukar C S

Name of the students:

Akshatha M Raikar -4JN18TE002

Anusha MH – 4JN18TE003

Apoorva HK - 4JN18TE005

Lekhana GT – 4JN18TE018

The COVID-19 outbreak is stressing the health systems of many countries around the globe. In this context, the accurate knowledge of the number of isolation beds, oxygen beds, and intensive care unit (ICU) beds available in real time is essential to creating government strategies to provide hospital beds on time. The Internet of Things is a rising technology to attain the next level of health services. It enables seamless networking between patients, medical devices, and physicians. This method will provide useful data in decision-making regarding the availability and need for opening new isolation beds, oxygen beds, and ICU beds for COVID-19 cases. With the use of this technology-based healthcare method, there are unparalleled benefits which could improve the quality and efficiency of treatments accordingly.

Signature of the team leader

Signature of the guide

Signature of the HOD



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



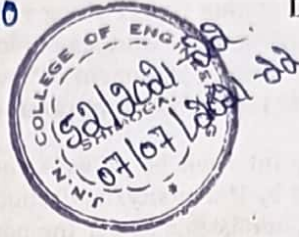
AICTE Training and Learning (ATAL) Academy, (Online FDP)

F. No. 2-23/AICTE/ATAL-HQ/2021-22/1840

Date: 30th June, 2021

To

The Principal,
J N N college of Engineering,
Navule,
Shivamogga - 577204



Sub: Release of a sum of Rs. 93,000/- for AICTE Training and Learning (ATAL) Academy Online FDP.

Sir,

This is to convey the sanction of the Council for payment of **Rs. 93,000 /-** (Rupees **Ninety -Three Thousand Only**) for conducting of online **AICTE Training and Learning (ATAL) Academy FDP (CLOUD TECHNOLOGY)** to **JNN COLLEGE OF ENGINEERING, SHIVAMOGGA**, under **AICTE Training And Learning (ATAL) Academy**.

This fund 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

I. Release of funds and maintenance of accounts

- 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.
- The cost for conducting per programme will be Rs. 93,000/- as per detail given as under:

1.	Honorarium to Coordinator	Rs. 10,000/-
2.	Honorarium for Computer Operator	Rs. 2,000/-
3.	Honorarium for experts (Rs.5000 per session for total 14 session)	Rs. 70,000/-
4.	Provision for payment to Lab Attendant	Rs. 1,000/-
5.	Miscellaneous charges (petty expenses not covered above)	Rs. 10,000/-
	TOTAL	Rs. 93,000/-

Programmes having permission to change amounts under different heads with overall ceiling of Rs. 0.93 lakh being intact.

- The grant is subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma to be submitted by the University/College/Institution. Further, the accounts of the institute will be open for test check by the Council or Controller & Auditor General of India or any other officer designated by them.

II. Disbursement of funds to institutions

The full amount of the grant sanctioned will be released as an advance to the University/Institute through electronic transfer on the account of the University/Institute after submission of mandate form

III. Conduct of test and issuance of certificate

- A test shall be conducted by coordinator at the end of the program.
- The certificates shall be issued to those participants who have been approved by the coordinator, attended the program with minimum **80% of attendance** and scored **minimum 60% marks** in the test.

Regional Officer

South Western Regional Office
All India Council for Technical Education,
Bangalore-9.

AC/EST/ HOD ETE
21/7/21

P.T.O.....



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@isc.ac.in, office@kscst.org.in • Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Mr. H. Hemanth Kumar

Executive Secretary

11th May, 2022

Ref: 7.1.01/SPP/91

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

Dear Sir/Madam,

Sub : Sanction of Student Project - 45th Series: Year 2021-2022

Project Proposal Reference No. : 45S_BE_1927

Ref : Project Proposal entitled **INTEGRATED SMART POLE**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 45th Series". The project details are as below:

Student(s)	Ms. ANUSHREE J C	Department	TELECOMMUNICATION ENGINEERING
	Ms. GEETHA		
	Ms. MANALI C V		
	Ms. SANDHYA G		
Guide(s)	Mrs. ASHWINI S.R.	Sanctioned Amount (in Rs.)	6,000.00

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/YMn9K7XETu96i8KbA>. The synopsis should include following:
 - Project Reference Number
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords
 - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
 - Objectives (about 10 lines)

45S_BE_1927

- 8) Methodology (about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
 - 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
 - 10) Scope for future work (about 20 lines).
- e) In case of incometed projects, the sanctioned amount shall be returned to KSCST.
 - f) The sanctioned amount will be transferred by NEFT to the bank account provided by the College/Institute.
 - g) The sponsored projects evaluation will be held in the Nodal Centre/Online Mode and the details of the same will be intimated shortly by email / Website announcement.
 - h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and studetn(s) shall be uploaded in the following Google Forms Link <https://forms.gle/PciAaAVisn6bn8AM7>. The report should be prepared in the format prescribed by the university.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The HoD
TELECOMMUNICATION ENGINEERING
JAWAHARLAL NEHRU NEW COLLEGE OF ENGINEERING, SHIVAMOGGA
- 2) Mrs. ASHWINI S.R.
TELECOMMUNICATION ENGINEERING
JAWAHARLAL NEHRU NEW COLLEGE OF ENGINEERING, SHIVAMOGGA
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU

KARNATAKA SCIENCE AND TECHNOLOGY ACADEMY

Dept. of Science and Technology, Govt. of Karnataka

"Prof. U R Rao Bhavan" GKVK Campus, Major Sandeep Unnikrishnan Road, Doddabettahalli Layout,
Vidyaranyapura Post, Bengaluru - 560097; Ph: +91-80-29721549; 29721550 Email: ksta.gok@gmail.com;
Website: kstacademy.in

Dr. A M Ramesh
Chief Executive Officer

April 19, 2022

KSTA/STS/LTR.NO.18/31/2021-22/

Dear Dr Karthika and Mr Hemanth Kumar,

Greetings from Karnataka Science and Technology Academy!

I am happy to inform you that your proposal was evaluated by a panel of experts based on the criteria already specified on March 26, 2022. The committee has recommended partial funding of **Rs. 35,000/- (Rupees Thirty-Five Thousand Only)** for the project titled "**JNN Spraying machine for Arecanut and Black Pepper**" with the following terms and conditions.

- The fund amount shall be spent for the project within the specified time of 6 months.
- The proposer should complete the project within the specified time. In case of any deputation/transfer/resignation of the proposer the Principal/Management should take responsibility of completing the project or to return grants to KSTA with interest.
- The Proposer who is under Internship must complete the project before completing the Intern.
- Any portion of the fund which is not required for expenditure for the approved purpose shall be duly returned to KSTA.
- Statement of Expenditure and Utilization certificate are to be submitted to KSTA within six months.
- KSTA, being a Government Agency, accounts are subject to verification by C&AG. Hence, expenditure should be according to Govt. rules and regulations.
- The grantee should publish a paper in a reputed journal and submit the same to KSTA.
- KSTA should be given due acknowledgement for any innovations/patents, arising out of the project sponsored by KSTA.

The grant amount has been transferred to your institutional account with the transaction ID SBIN322103290439 dated: 13/04/2022 as provided by you.

Kindly acknowledge the receipt of the amount.

Thanking you,

Yours Sincerely,


[A M Ramesh]

Dr. Karthika B S

Professor and Head, Dept. of Civil Engineering

JNN College of Engineering, Navule, Shivamogga-577204

CC: **Mr. Hemanth Kumar**, Asst. Professor, Dept. of MCA, JNN College of Engineering, Navule,
Shivamogga
Principal, JNN College of Engineering, Navule, Shivamogga



ರಾಷ್ಟ್ರೀಯ ಶಿಕ್ಷಣ ಸಮಿತಿ(ರಿ.), ಶಿವಮೊಗ್ಗ

National Education Society(R.) Shivamogga



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/465

**UTILISATION CERTIFICATE
KSCST : STUDENT PROJECT PROGRAMME -45thSERIES**

Date: 26.08.2022

This is to certify that Jawaharlal Nehru New College of Engineering having its office / institution at Navule, Shivamogga-577204, Karnataka has been granted a sum of Rs. 102000=00(One lakh two thousand only) has been credited vide NEFT: **45TH SERIES SPP GRANTS KSCST** (Transaction Id) **dated : 19.05.2022** to **CANARA BANK**. Account No. **6322101000028** from Karnataka State Council for Science and Technology (KSCST) vide their Grant sanction letter Ref. No. 7.1.01/SPP/91 dated 11.05.2022 towards 45th Series Student Project Programme (SPP) – (1)45S_BE_2211 (2)45S_BE_3188 (3)45S_BE_3642 (4)45S_BE_3992 (5)45S_BE_4362 (6)45S_BE_2090 (7)45S_BE_3740 (8)45S_BE_3839 (9)45S_BE_3270 (10)45S_BE_3837 (11)45S_BE_4571 (12)45S_BE_2600 (13)45S_BE_2702 (14) 45S_BE_3268 (15) 45S_BE_1927. The college has incurred the expenditure of Rs. 102000=00 (One lakh two thousand only) towards the said project/s.

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

The above information is extracted from the books of accounts and documents produced before us and information and explanations provided to us. We further certify that, we have verified the relevant books of accounts and documents / bills / vouchers and found that the said amount has been utilized for the purposes as laid down by the Karnataka State Council for Science and Technology (KSCST). This certificate is provided by us at the specific request of Karnataka State Council for Science and Technology (KSCST) to evidence the utilization of grants in terms of above referred grant sanction letter dated 11.05.2022.

**Signature of the Finance / Accounts Officer
with Seal**

**Accounts Department
J N N College of Engineering
Shivamogga.**

Date:

Place: JNNCE, Shivamogga

**Signature of the Principal
with Seal**

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

26 AUG 2022

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



ರಾಷ್ಟ್ರೀಯ ಶಿಕ್ಷಣ ಸಮಿತಿ(ರಿ.), ಶಿವಮೊಗ್ಗ

National Education Society(R.), Shivamogga



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/

**FORM GFR 19-A
UTILIZATION CERTIFICATE
KSCST : STUDENT PROJECT PROGRAMME -45thSERIES**

Sl. No.	Letter No. and date	Amount (Rs.)	Certified that KSCST has provided partial financial support of Rs.1,02,000=00 towards Student Project Programme - 45 th Series
01	Sanction letter 7.1.01/SPP/91 dt:11.05.2022	1,02,000=00	A sum of Rs.1,02,000=00 only has been utilized for the purpose of Student Project Programme for which it was sanctioned.

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

Kinds of Checks exercised.

01. Cash Book
02. Vouchers

SI No	Project Proposal Ref.No.	Title of the Project	Department/ Guide	Amount Sanctioned by KSCST	Amount Utilized by the College	Balance if any to be refunded to KSCST
1.	45S_BE_2211	Airpurity meter - a compact device for air purity indication and prediction	CSE/Dr.Chetan K R	6,000.00	6,000.00	Nil
2.	45S_BE_3188	Medical image security through feature based watermarking	CSE/Mrs. Ayesha Siddiq	6,000.00	6,000.00	Nil
3.	45S_BE_3642	Two way charge-discharge cycling based dual-motor electric vehicle	EEE/Mrs. Padmashree H R	7,000.00	7,000.00	Nil
4.	45S_BE_3992	Generation of motive power in electric vehicle	EEE/Mr. Veeresh K B Dr.Thejaswi A H	7,000.00	7,000.00	Nil
5.	45S_BE_4362	IoT based smart ventilator	EEE/Mrs. Supriha M. R	7,000.00	7,000.00	Nil
6.	45S_BE_2090	AI trainer for activity detection through hpe and hpc by deep learning networks	ECE/Mrs. Prema K N	5,000.00	5,000.00	Nil
7.	45S_BE_3740	Hand gestures to text and speech conversion system	ECE/Mrs. Smitha S M	6,000.00	6,000.00	Nil
8.	45S_BE_3839	Automatic packing control machine	ECE/Ms. Roopa B S	8,000.00	8,000.00	Nil

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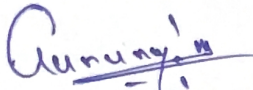
ನವುಲೆ, ಶಿವಮೊಗ್ಗ - 577 204, ಕರ್ನಾಟಕ

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

9.	45S_BE_3270	A web based information system for the management of ICU beds during the Covid -19 outbreak	ETE/Mr. Madhukar C S	5,000.00	5,000.00	Nil
10.	45S_BE_3837	Automatic door opening system with covid-19 safety measures	ISE/Mr. Sayed Aftab Ahamed	6,000.00	6,000.00	Nil
11.	45S_BE_4571	Real time fire detection using AI and ML	ISE/Mrs. Rashmi R	6,000.00	6,000.00	Nil
12.	45S_BE_2600	Automation of arecanut boiling and drying processes using embedded system	ME/Dr.K. Sabeel Ahmed	7,000.00	7,000.00	Nil
13.	45S_BE_2702	To study characterization and performance analysis of different used cooking oil (uco) with solvent blends as fuel source in ic engines.	ME/Dr. Ravi Kumar B N Mr.Chethan S G	12,000.00	12,000.00	Nil
14.	45S_BE_3268	Thermal analysis of waste cooking oil extracted from different edible oil seeds	ME/Mr. S Abdul Saleem	8,000.00	8,000.00	Nil
15.	45S_BE_1927	Integrated smart pole	ETE/Mrs. Ashwini S.R.	6,000.00	6,000.00	Nil



Signature of the Finance / Accounts Officer
with Seal

Accounts Department
J N N College of Engineering
Shivamogga.

Date:

Place:JNNCE, Shivamogga



Signature of the Principal
with Seal

Principal
Jawaharlal Nehru New
College of Engineering (JNNCE)
Shivamogga

26 AUG 2022

National Education Society (R.), Shivamogga

J N N College of Engineering, Shivamogga

STUDENT PROJECT PROGRAMME –45th SERIES

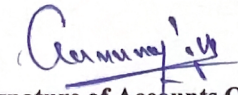
vide Sanction letter 7.1.01/SPP/91 Dt:11.05.2022

Receipts and Payments for KSCST STUDENT PROJECT PROGRAMME –45th SERIES

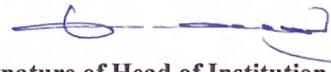
Receipts	Amount	Payments	Amount
Grants Received from KSCST		Expenses for Projects	
45S_BE_2211	6000.00	45S_BE_2211	6000.00
45S_BE_3188	6000.00	45S_BE_3188	6000.00
45S_BE_3642	7000.00	45S_BE_3642	7000.00
45S_BE_3992	7000.00	45S_BE_3992	7000.00
45S_BE_4362	7000.00	45S_BE_4362	7000.00
45S_BE_2090	5000.00	45S_BE_2090	5000.00
45S_BE_3740	6000.00	45S_BE_3740	6000.00
45S_BE_3839	8000.00	45S_BE_3839	8000.00
45S_BE_3270	5000.00	45S_BE_3270	5000.00
45S_BE_3837	6000.00	45S_BE_3837	6000.00
45S_BE_4571	6000.00	45S_BE_4571	6000.00
45S_BE_2600	7000.00	45S_BE_2600	7000.00
45S_BE_2702	12000.00	45S_BE_2702	12000.00
45S_BE_3268	8000.00	45S_BE_3268	8000.00
45S_BE_1927	6000.00	45S_BE_1927	6000.00
Total	102000.00	Total	102000.00


Signature of Coordinator

M. RAMESH
SPP College Co-ordinator
Associate Professor
Dept. of Mechanical Engineering
JNNCE, Shivamogga-577 204


Signature of Accounts Officer

Accounts Department
J N N College of Engineering
Shivamogga.


Signature of Head of Institution

Principal
Jawaharlal Nehru New
College of Engineering (JNNCE)
Shivamogga

26 AUG 2022

Date:



ರಾಷ್ಟ್ರೀಯ ಶಿಕ್ಷಣ ಸಮಿತಿ(ರಿ.), ಶಿವಮೊಗ್ಗ

National Education Society(R.) Shivamogga



Jawaharlal Nehru New College of Engineering(JNNCE), Shivamogga

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(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)

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**Signature of the Finance / Accounts Officer
with Seal**

**Accounts Department
J N N College of Engineering
Shivamogga.**

Date:

Place: JNNCE, Shivamogga

**Signature of the Principal
with Seal**

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

26 AUG 2022

ನವುಲೆ, ಶಿವಮೊಗ್ಗ - 577 204, ಕರ್ನಾಟಕ

Navule, Shivamogga - 577 204, Karnataka

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☎ : 08182 - 276707 / 08 / 09, 270450, 268800 / 1, Fax : 08182 - 222450



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National Education Society(R.), Shivamogga



Jawaharlal Nehru New College of Engineering(JNNCE), Shivamogga

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6.	45S_BE_2090	AI trainer for activity detection through hpe and hpc by deep learning networks	ECE/Mrs. Prema K N	5,000.00	5,000.00	Nil
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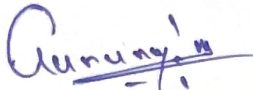
ನವುಲೆ, ಶಿವಮೊಗ್ಗ - 577 204, ಕರ್ನಾಟಕ

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11.	45S_BE_4571	Real time fire detection using AI and ML	ISE/Mrs. Rashmi R	6,000.00	6,000.00	Nil
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13.	45S_BE_2702	To study characterization and performance analysis of different used cooking oil (uco) with solvent blends as fuel source in ic engines.	ME/Dr. Ravi Kumar B N Mr.Chethan S G	12,000.00	12,000.00	Nil
14.	45S_BE_3268	Thermal analysis of waste cooking oil extracted from different edible oil seeds	ME/Mr. S Abdul Saleem	8,000.00	8,000.00	Nil
15.	45S_BE_1927	Integrated smart pole	ETE/Mrs. Ashwini S.R.	6,000.00	6,000.00	Nil



Signature of the Finance / Accounts Officer
with Seal

Accounts Department
J N N College of Engineering
Shivamogga.

Date:

Place:JNNCE, Shivamogga



Signature of the Principal
with Seal

Principal
Jawaharlal Nehru New
College of Engineering (JNNCE)
Shivamogga

26 AUG 2022

National Education Society (R.), Shivamogga

J N N College of Engineering, Shivamogga

STUDENT PROJECT PROGRAMME –45th SERIES

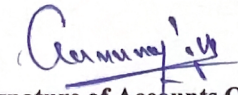
vide Sanction letter 7.1.01/SPP/91 Dt:11.05.2022

Receipts and Payments for KSCST STUDENT PROJECT PROGRAMME –45th SERIES

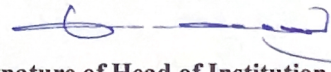
Receipts	Amount	Payments	Amount
Grants Received from KSCST		Expenses for Projects	
45S_BE_2211	6000.00	45S_BE_2211	6000.00
45S_BE_3188	6000.00	45S_BE_3188	6000.00
45S_BE_3642	7000.00	45S_BE_3642	7000.00
45S_BE_3992	7000.00	45S_BE_3992	7000.00
45S_BE_4362	7000.00	45S_BE_4362	7000.00
45S_BE_2090	5000.00	45S_BE_2090	5000.00
45S_BE_3740	6000.00	45S_BE_3740	6000.00
45S_BE_3839	8000.00	45S_BE_3839	8000.00
45S_BE_3270	5000.00	45S_BE_3270	5000.00
45S_BE_3837	6000.00	45S_BE_3837	6000.00
45S_BE_4571	6000.00	45S_BE_4571	6000.00
45S_BE_2600	7000.00	45S_BE_2600	7000.00
45S_BE_2702	12000.00	45S_BE_2702	12000.00
45S_BE_3268	8000.00	45S_BE_3268	8000.00
45S_BE_1927	6000.00	45S_BE_1927	6000.00
Total	102000.00	Total	102000.00


Signature of Coordinator

M. RAMESH
SPP College Co-ordinator
Associate Professor
Dept. of Mechanical Engineering
JNNCE, Shivamogga-577 204


Signature of Accounts Officer

Accounts Department
J N N College of Engineering
Shivamogga.


Signature of Head of Institution

Principal
Jawaharlal Nehru New
College of Engineering (JNNCE)
Shivamogga

26 AUG 2022

Date:



ರಾಷ್ಟ್ರೀಯ ಶಿಕ್ಷಣ ಸಮಿತಿ(ರಿ.), ಶಿವಮೊಗ್ಗ

National Education Society(R.) Shivamogga



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/465

**UTILISATION CERTIFICATE
KSCST : STUDENT PROJECT PROGRAMME -45thSERIES**

Date: 26.08.2022

This is to certify that Jawaharlal Nehru New College of Engineering having its office / institution at Navule, Shivamogga-577204, Karnataka has been granted a sum of Rs. 102000=00(One lakh two thousand only) has been credited vide NEFT: **45TH SERIES SPP GRANTS KSCST** (Transaction Id) **dated : 19.05.2022** to **CANARA BANK**. Account No. **6322101000028** from Karnataka State Council for Science and Technology (KSCST) vide their Grant sanction letter Ref. No. 7.1.01/SPP/91 dated 11.05.2022 towards 45th Series Student Project Programme (SPP) – (1)45S_BE_2211 (2)45S_BE_3188 (3)45S_BE_3642 (4)45S_BE_3992 (5)45S_BE_4362 (6)45S_BE_2090 (7)45S_BE_3740 (8)45S_BE_3839 (9)45S_BE_3270 (10)45S_BE_3837 (11)45S_BE_4571 (12)45S_BE_2600 (13)45S_BE_2702 (14) 45S_BE_3268 (15) 45S_BE_1927. The college has incurred the expenditure of Rs. 102000=00 (One lakh two thousand only) towards the said project/s.

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

The above information is extracted from the books of accounts and documents produced before us and information and explanations provided to us. We further certify that, we have verified the relevant books of accounts and documents / bills / vouchers and found that the said amount has been utilized for the purposes as laid down by the Karnataka State Council for Science and Technology (KSCST). This certificate is provided by us at the specific request of Karnataka State Council for Science and Technology (KSCST) to evidence the utilization of grants in terms of above referred grant sanction letter dated 11.05.2022.

**Signature of the Finance / Accounts Officer
with Seal**

Accounts Department

**J N N College of Engineering
Shivamogga.**

Date:

Place: JNNCE, Shivamogga

**Signature of the Principal
with Seal**

Principal

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

26 AUG 2022

ಸವುಲೆ, 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



ರಾಷ್ಟ್ರೀಯ ಶಿಕ್ಷಣ ಸಮಿತಿ(ರಿ.), ಶಿವಮೊಗ್ಗ

National Education Society(R.), Shivamogga



Jawaharlal Nehru New College of Engineering(JNNCE), Shivamogga

ಜವಾಹರ್‌ಲಾಲ್ ನೆಹರು ನ್ಯೂ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ, ಶಿವಮೊಗ್ಗ

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Ref. No.: JNNCE/

**FORM GFR 19-A
UTILIZATION CERTIFICATE
KSCST : STUDENT PROJECT PROGRAMME -45thSERIES**

Sl. No.	Letter No. and date	Amount (Rs.)	Certified that KSCST has provided partial financial support of Rs.1,02,000=00 towards Student Project Programme - 45 th Series
01	Sanction letter 7.1.01/SPP/91 dt:11.05.2022	1,02,000=00	A sum of Rs.1,02,000=00 only has been utilized for the purpose of Student Project Programme for which it was sanctioned.

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

Kinds of Checks exercised.

01. Cash Book
02. Vouchers

SI No	Project Proposal Ref.No.	Title of the Project	Department/ Guide	Amount Sanctioned by KSCST	Amount Utilized by the College	Balance if any to be refunded to KSCST
1.	45S_BE_2211	Airpurity meter - a compact device for air purity indication and prediction	CSE/Dr.Chetan K R	6,000.00	6,000.00	Nil
2.	45S_BE_3188	Medical image security through feature based watermarking	CSE/Mrs. Ayesha Siddiq	6,000.00	6,000.00	Nil
3.	45S_BE_3642	Two way charge-discharge cycling based dual-motor electric vehicle	EEE/Mrs. Padmashree H R	7,000.00	7,000.00	Nil
4.	45S_BE_3992	Generation of motive power in electric vehicle	EEE/Mr. Veeresh K B Dr.Thejaswi A H	7,000.00	7,000.00	Nil
5.	45S_BE_4362	IoT based smart ventilator	EEE/Mrs. Supriha M. R	7,000.00	7,000.00	Nil
6.	45S_BE_2090	AI trainer for activity detection through hpe and hpc by deep learning networks	ECE/Mrs. Prema K N	5,000.00	5,000.00	Nil
7.	45S_BE_3740	Hand gestures to text and speech conversion system	ECE/Mrs. Smitha S M	6,000.00	6,000.00	Nil
8.	45S_BE_3839	Automatic packing control machine	ECE/Ms. Roopa B S	8,000.00	8,000.00	Nil

Contd - 2

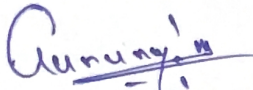
ನವುಲೆ, ಶಿವಮೊಗ್ಗ - 577 204, ಕರ್ನಾಟಕ

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

9.	45S_BE_3270	A web based information system for the management of ICU beds during the Covid -19 outbreak	ETE/Mr. Madhukar C S	5,000.00	5,000.00	Nil
10.	45S_BE_3837	Automatic door opening system with covid-19 safety measures	ISE/Mr. Sayed Aftab Ahamed	6,000.00	6,000.00	Nil
11.	45S_BE_4571	Real time fire detection using AI and ML	ISE/Mrs. Rashmi R	6,000.00	6,000.00	Nil
12.	45S_BE_2600	Automation of arecanut boiling and drying processes using embedded system	ME/Dr.K. Sabeel Ahmed	7,000.00	7,000.00	Nil
13.	45S_BE_2702	To study characterization and performance analysis of different used cooking oil (uco) with solvent blends as fuel source in ic engines.	ME/Dr. Ravi Kumar B N Mr.Chethan S G	12,000.00	12,000.00	Nil
14.	45S_BE_3268	Thermal analysis of waste cooking oil extracted from different edible oil seeds	ME/Mr. S Abdul Saleem	8,000.00	8,000.00	Nil
15.	45S_BE_1927	Integrated smart pole	ETE/Mrs. Ashwini S.R.	6,000.00	6,000.00	Nil



Signature of the Finance / Accounts Officer
with Seal

Accounts Department
J N N College of Engineering
Shivamogga.

Date:

Place:JNNCE, Shivamogga



Signature of the Principal
with Seal

Principal
Jawaharlal Nehru New
College of Engineering (JNNCE)
Shivamogga

26 AUG 2022

National Education Society (R.), Shivamogga

J N N College of Engineering, Shivamogga

STUDENT PROJECT PROGRAMME –45th SERIES

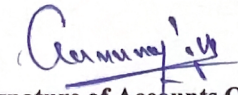
vide Sanction letter 7.1.01/SPP/91 Dt:11.05.2022

Receipts and Payments for KSCST STUDENT PROJECT PROGRAMME –45th SERIES

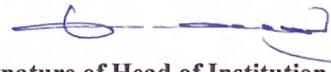
Receipts	Amount	Payments	Amount
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45S_BE_3188	6000.00	45S_BE_3188	6000.00
45S_BE_3642	7000.00	45S_BE_3642	7000.00
45S_BE_3992	7000.00	45S_BE_3992	7000.00
45S_BE_4362	7000.00	45S_BE_4362	7000.00
45S_BE_2090	5000.00	45S_BE_2090	5000.00
45S_BE_3740	6000.00	45S_BE_3740	6000.00
45S_BE_3839	8000.00	45S_BE_3839	8000.00
45S_BE_3270	5000.00	45S_BE_3270	5000.00
45S_BE_3837	6000.00	45S_BE_3837	6000.00
45S_BE_4571	6000.00	45S_BE_4571	6000.00
45S_BE_2600	7000.00	45S_BE_2600	7000.00
45S_BE_2702	12000.00	45S_BE_2702	12000.00
45S_BE_3268	8000.00	45S_BE_3268	8000.00
45S_BE_1927	6000.00	45S_BE_1927	6000.00
Total	102000.00	Total	102000.00


Signature of Coordinator

M. RAMESH
SPP College Co-ordinator
Associate Professor
Dept. of Mechanical Engineering
JNNCE, Shivamogga-577 204


Signature of Accounts Officer

Accounts Department
J N N College of Engineering
Shivamogga.


Signature of Head of Institution

Principal
Jawaharlal Nehru New
College of Engineering (JNNCE)
Shivamogga

26 AUG 2022

Date:



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

("ವಿ ಬಿ ಯು ಟಿ" ಅಧಿನಿಯಮ ೧೯೯೪ ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)
'ಜ್ಞಾನ ಸಂಗಮ', ಬೆಳಗಾವಿ - ೫೯೦ ೦೧೮ ಕರ್ನಾಟಕ ರಾಜ್ಯ

Visvesvaraya Technological University

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

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

Phone : (0831) 2498100

Fax : (0831) 2405467

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

REGISTRAR

Ref: VTU/BGM/Aca/A-12/ VTU RGS /DIS -ME/2021-22/ 5862/20

Date 8 FEB 2022

To,

The Principal,

J N N College of Engineering, Shivamogga

TO ESTI Accounts/controlling number
25/2/22

Sub: Grants for Research Proposal for the year 2021-22

Ref.: 1. VTU/Aca./2021-22/ PS/2019-20/9707, dated 18-03-2020.

2. Hon'ble Vice-Chancellor's approval dt: 11-02-2022

At the outset please accept our congratulations and greetings.

We are pleased to inform you that, the grant of Rs. 8.00 Lakhs (Rupees Eight Lakh only) is sanctioned to the research proposal entitled as "Development of Geopolymeric Syntactic foam Embedded with Hollow Microballoons as an alternative to Portland Cement to Minimize Global Warming." submitted by Dr.Amith Kumar S J (PI) and Ravi Kumar B N (CoI) under VTU Research Grants Scheme -2021.

The expenditure of the sanctioned amount needs to be planned as under.

Expenditure Particulars		First Year (Rs. in Lakhs)	Second Year (Rs. in Lakhs)	Total (Rs. in Lakhs)
Non - Recurring	Fellowship for Research Scholar	0.00	0.00	0.00
	Equipments/Software/Instruments (Purchase of Desktops/Laptops are not permitted)	5.00	1.00	6.00
Recurring	Consumables (Glass wares/Chemicals)	0.75	0.75	1.50
	Others (Expenditure towards/ testing / consultancy / publications of research work in terms IPR Registrations (not for paper publications in journals) / TA -DA to present a paper in conferences or workshop or symposia in India .	0.25	0.25	0.50
Total (Rs. in Lakhs)		6.00	2.00	8.00
VTU Contribution (75% of the Sanctioned Amount) This amount will be released after receiving the acceptance letter and compliance of Point Number 10,11 & 12 mentioned in "Terms and Conditions"		4.50	1.50	6.00
Institute Contribution (25% of the Sanctioned Amount) Please Refer Point Number 10,11 & 12 in the "Terms and Conditions" and comply accordingly		1.50	0.50	2.00

Applicable Terms and Conditions:

1. The grant will be released in the name of the Principal of the Institute and Principal Investigator of the project.
2. The grant shall be utilized for the purpose for which it has been sanctioned.
3. The research activities of the sanctioned projects will be evaluated at the end of each year by committee constituted by VTU. Also, the LIC team of VTU may review the progress.
4. Change in heads of expenditure mentioned in the table on the previous page is not permitted.
5. The grantee institute has to abide by the guidelines of VTU Research Grant Scheme.
6. VTU reserves all the rights to change/modify rules/guidelines in this regard.
7. The Principal of the institute shall submit year wise Utilization Certificate (UC) and in the prescribed format and Audit Report (Duly signed by CA) to the undersigned. The subsequent grant will be released only after submission of UC for the grant released earlier along with details of expenditure and satisfactory work progress report.
8. The project will last for two years from the day that the Grantee Institute receives the amount of first Installment.
9. Any correspondence by the Investigators to the Registrar of VTU shall be routed through the Principal of the Grantee Institute.
10. VTU shall release the amount of first installment, after an exclusive Joint Bank Account for the sanctioned project is opened and remitted the Institute share of 25% of the First Year Installment as mentioned in the above table and same shall be intimated to VTU by submitting copy of account statement.
11. The exclusive Bank Account must be Join Account in the name of Principal of the Institute and Principal Investigator with the title of the project mentioned as purpose.
12. Grantee Institute shall submit account details in the *mandate form (enclosed)* along with duly signed *acceptance letter (Format Enclosed)*. These are required for issuing the sanction order and release of fund from our end.

Thanking you,

Yours faithfully,


Registrar
10/11

Encl:

- 1) Format of Mandate Form
- 2) Format of Acceptance letter



NES^(R)

Jawaharlal Nehru National College of Engineering, Shivamogga
JNNCART- 2021-22



List of Project proposal submitted during JNNCART-2021.

1. Multi-Purpose Agricultural Robot.
2. IoT Based smart agricultural monitoring system.
3. Automation for Controlled Plant Growth
4. Smart irrigation using LoRa module
5. Development of Farm Machine for Small and Marginal Farmers

List of Project proposal short listed and funded.

Sl. No.	Project Title	Mentor	USN	Students	Amount Sanctioned (In INR)
1	Multi-Purpose Agricultural Robot.	Dr. Sathya Prema Asst Professor Dept. Of Mechanical Engg.	4JN18ME056	Renukaprasad J N	15,000/-
			4JN18ME058	Rohith K	
			4JN18ME066	Shreyas G Vasista	
			4JN18ME072	Surya T S	
2	IoT Based smart agricultural monitoring system.	Dr. HB Suresh Professor Dept. Of Electrical Engg.	4JN18EE018	Mallanagouda B Bellur	10,000/-
			4JN18EE029	Ningaraj Adoor	
			4JN18EE009	Harish S	
			4JN18EE001	Abhay Rao K U	
3	Automation for Controlled Plant Growth	Dr. E Basavaraj Professor & HOD, Mechanical Engineering JNNCE, Shimoga	4JN18ME015	Ganesh K Prabhu	25,000/-
			4JN18ME019	Gozeen H Pinjar	
			4JN18ME033	Kushal D S	
			4JN18ME036	Manjunath Koushik A V	

NOTE: Serial no. 2 - Project titled IoT Based smart agricultural monitoring system is not submitted
E. Basavaraj



Co-ordinator
Centre for Agricultural and
Rural Technologies (CART)
JNNCE, Shivamogga.



NES^(R)
Jawaharlal Nehru National College of Engineering, Shivamogga
JNNCART- 2021-22

	Smart irrigation using LoRa module	Mrs Rashmi M Hullamani Assistant Professor Dept. of E & T Engg.	4JN18TE020	MANISH HG	10,000/-
			4JN18TE021	MOHAMMAD AFRID	
			4JN18TE022	MOHAMMAD SAHEEM	
			4JN18TE029	PRASAD MPM	
5	Development of Farm Machine for Small and Marginal Farmers	Dr. E Basavaraj Professor & HOD, Mechanical Engineering JNNCE, Shimoga	4JN18ME076	VAMSHI B	15,000/-
			4JN18ME080	VINAY KUMAR BAMBORE	
			4JN18ME075	VAHID AHAMAD	
			4JN18ME049	PRAMOD P	

MEMBERS

Mr. Benak Patel M.P.
Mr. Neeraj S.N.

Handwritten signatures and initials

JUDGES

Dr. Satya Prema
Mr. Srinivasa Murthy M.K.

Handwritten signature

E. Basavaraj
CO-ORDINATOR
Dr. E. Basavaraj

Handwritten signature
DEAN ACADEMICS
Dr. Manjunath P

Handwritten signature
PRINCIPAL
Dr. K Nagendra Prasad



Co-ordinator
Centre for Agricultural and
Rural Technologies (CART)
JNNCE, Shivamogga.

Professor & Dean (Academic)
J.N.N. College of Engineering
Kavule, Savalanga Road,
Shivamogga - 577 204.

Handwritten signature
Principal
Jawaharlal Nehru New
College of Engineering (JNNCE)
Shivamogga

Total to be incorporated in project Amt. 65,000/-



NES^(R)

Jawaharlal Nehru National College of Engineering, Shivamogga
JNNCART- 2021-22



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			4JN18ME033	Kushal D S	
			4JN18ME036	Manjunath Koushik A V	

NOTE Serial no. 2 - Project titled IoT Based smart agricultural monitoring system is not submitted
E. Basavaraj



Co-ordinator
Centre for Agricultural and
Rural Technologies (CART)
JNNCE, Shivamogga.



NES^(R)
Jawaharlal Nehru National College of Engineering, Shivamogga
JNNCART- 2021-22

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			4JN18ME075	VAHID AHAMAD	
			4JN18ME049	PRAMOD P	

MEMBERS

Mr. Benak Patel M.P.
Mr. Neeraj S.N.

Handwritten signatures and initials

JUDGES

Dr. Satya Prema
Mr. Srinivasa Murthy M.K.

Handwritten signature

E. Basavaraj
CO-ORDINATOR
Dr. E. Basavaraj

Handwritten signature
DEAN ACADEMICS
Dr. Manjunath P

Handwritten signature
PRINCIPAL
Dr. K Nagendra Prasad



Co-ordinator
Centre for Agricultural and Rural Technologies (CART)
JNNCE, Shivamogga.

Professor & Dean (Academic)
J.N.N. College of Engineering
Kavule, Savatanga Road,
Shivamogga - 577 204.

Handwritten signature
Principal
Jawaharlal Nehru New
College of Engineering (JNNCE)
Shivamogga

Total to be incorporated in project Amt. 65,000/-



NES^(R)

Jawaharlal Nehru National College of Engineering, Shivamogga
JNNCART- 2021-22



List of Project proposal submitted during JNNCART-2021.

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			4JN18EE009	Harish S	
			4JN18EE001	Abhay Rao K U	
3	Automation for Controlled Plant Growth	Dr. E Basavaraj Professor & HOD, Mechanical Engineering JNNCE, Shimoga	4JN18ME015	Ganesh K Prabhu	25,000/-
			4JN18ME019	Gozeen H Pinjar	
			4JN18ME033	Kushal D S	
			4JN18ME036	Manjunath Koushik A V	

NOTE: Serial no. 2 - Project titled IoT Based smart agricultural monitoring system is not submitted
E. Basavaraj



Co-ordinator
Centre for Agricultural and
Rural Technologies (CART)
JNNCE, Shivamogga.



NES^(R)
Jawaharlal Nehru National College of Engineering, Shivamogga
JNNCART- 2021-22

	Smart irrigation using LoRa module	Mrs Rashmi M Hullamani Assistant Professor Dept. of E & T Engg.	4JN18TE020	MANISH HG	10,000/-
			4JN18TE021	MOHAMMAD AFRID	
			4JN18TE022	MOHAMMAD SAHEEM	
			4JN18TE029	PRASAD MPM	
5	Development of Farm Machine for Small and Marginal Farmers	Dr. E Basavaraj Professor & HOD, Mechanical Engineering JNNCE, Shimoga	4JN18ME076	VAMSHI B	15,000/-
			4JN18ME080	VINAY KUMAR BAMBORE	
			4JN18ME075	VAHID AHAMAD	
			4JN18ME049	PRAMOD P	

MEMBERS

Mr. Benak Patel M.P.
Mr. Neeraj S.N.

Handwritten signatures and initials

JUDGES

Dr. Satya Prema
Mr. Srinivasa Murthy M.K.

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E. Basavaraj
CO-ORDINATOR
Dr. E. Basavaraj

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DEAN ACADEMICS
Dr. Manjunath P

Handwritten signature
PRINCIPAL
Dr. K Nagendra Prasad



Co-ordinator
Centre for Agricultural and
Rural Technologies (CART)
JNNCE, Shivamogga.

Professor & Dean (Academic)
J.N.N. College of Engineering
Kavule, Savalanga Road,
Shivamogga - 577 204.

Handwritten signature
Principal
Jawaharlal Nehru New
College of Engineering (JNNCE)
Shivamogga

Total to be incorporated in project Amt. 65,000/-

Date: 12/04/2023

To,
The Secretary,
National Education Society,
Shivamogga.

Sir,

TO
HOD (Mech)
ACCOUNTS
H
5929

Sub: Regarding approval for distribution of consultancy amount collected from the clients.

With reference to the above, the department of Mechanical Engineering is carrying out the consultancy for various Government and private agencies for the year 2022-23. The amount is collected from the concerned agencies for services rendered by the department. The collected amount is distributed as per the approval taken from the NES management. The total amount collected from 01/11/2022 to 31/03/2023 is Rs.88392.00 (Rupees Eighty eight thousand three hundred and ninety two only). It is requested to permit and approve for the distribution of the amount of Rs.59925.00 (Fifty Nine thousand nine hundred and Twenty Five only) The details are mentioned below.

Total amount collected	Rs. 88,392.00
GST	Rs. 13,485.00
Net amount collected	Rs. 74,907.00

Finance Manager
National Education Society (R.)
SHIVAMOGGA-577 20E.

ABSTRACT

Sl No	Type of test	Amount (Rs)	Site visit	Net amount (Rs)	To Management (Rs)	To Staff (Rs)
a	Third party Inspection	88,392.00		74,907.00	14,981.40	59,925.60
	Total Rs.Ps.	88,392.00		74,907.00	14,981.40	59,925.60
					Site visit	-
			Total (Rs)			59,925.60
TOTAL ABSTRACT						
1	To Management (Rs)	14,981.40				
2	To staff (Rs)	59,925.60				
3	Income Tax (Rs)	5,642.50				
4	G S T (Rs)	13,485.00				

88392.00

Forwarded to the Honorable Secretary,
NES for necessary approval

H
Principal

of Mechanical
E. Balavally
HOD (Mechanical)
PROFESSOR & H
SHIVAMOGGA-577 20E.
College of Engineering

658
ಇವಮಾನ್
29/4/23
ರಾಷ್ಟ್ರೀಯ ಶಿಕ್ಷಣ ಸಮಿತಿ (ಎಂ)
ಶಿವಮೊಗ್ಗ

No/NES/Doc/362/
2022-24, 02/5/2023

TO
HOD (Mech)
H
5929

577
ಇವಮಾನ್
24/4/23
ರಾಷ್ಟ್ರೀಯ ಶಿಕ್ಷಣ ಸಮಿತಿ (ಎಂ)
ಶಿವಮೊಗ್ಗ

Received on
9/5/23

Coordinator

21/4/23

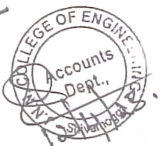
21-4-23

Appd
H
2/5

2.

J N N college of Engineering, Shivamogga
 Mechanical Engineering Department consultancy bill
 From 01/11/2022 to 31/03/2023
 Details of consultancy works

Sl No	Date	Clients Name	Place	Test	Receipt No	Amount (Rs)	GST (Rs)	Total Amount (Rs)	Net Amount (Rs)
1	05.05.2022	Shimoga City Corp. Shimoga	Shivamogga	III Party Inspection	357	12,160.00	2189.00	14349.00	12,160.00
2	05.05.2022	Shimoga City Corp. Shimoga	Shivamogga	III Party Inspection	358	24,320.00	4378.00	28698.00	24,320.00
3	05.05.2022	Shimoga City Corp. Shimoga	Shivamogga	III Party Inspection	363	24,320.00	4378.00	28698.00	24,320.00
4	06.01.2023	Shimoga City Corp. Shimoga	Shivamogga	III Party Inspection	405	14,107.00	2540.00	16647.00	14,107.00
					TOTAL	74,907.00	13,485.00	88,392.00	74,907.00
Total amount collected									Account section



DETAILS OF DISTRIBUTION

Sl No	Type of test	Amount (Rs)	Site visiting	Net amount (Rs)	To Management (Rs)	To Staff (Rs)
a	Third party Inspection	88,392.00		74,907.00	14,981.40	59,925.60
	Total Rs.Ps.	88,392.00		74,907.00	14,981.40	59,925.60
					Site visiting	
					Total (Rs)	59,925.60

[Signature]
 Coordinator



JNNCE NewGen IEDC Projects

Batch - III

Financial Year 2021 -2022

Sl. No.	Project Title	Name of the Mentor/s	Project Team
01	Smart Irrigation Controllers	Prema K.N Asst.Prof, ECE Dept Mr. Koushik R Udupa CTO, Ekathva Innovations	V N Gokul Krishna 6 th Sem-ECE Dept Umesh R H 6 th Sem-ECE Dept
02	Intelligent Air Quality Classifier using ML & IOT	Dr. Chetan K R HOD, AI&ML Dept	Nidhishree MP 6 th CS Dept Chetana Prabhu H 6 th Sem CS Dept Ananya v Bhat 6 th Sem CS Dept
03	Electric Mobility Vehicle for campus	Dr. Amith Kumar .S.J Asst.Prof, ME Dept	Sathvik S 6 th Sem ME Dept Kevin Abhishek D T 6 th Sem ME Dept Karthik Shetty 6 th Sem ME Dept Manohar H S 6 th Sem ME Dept
04	Development of Cold Bituminous Mix of Components	Arun V Asst.Prof, Civil Eng Dept Anirudh N Asst.Prof, Civil Eng Dept	TEJASWINI R 2 nd Sem, MTech
05	Laboratory Investigation on Com Pavements	Anirudh N Asst.Prof, Civil Eng Dept	SRICHARAN R 2 nd Sem, MTech
06	Intelligent Areca Drier	Jayavardhana Achaya N Lecturer, ME Dept Abdul Saleem Lecturer, ME Dept	Krishna Kantha Holla K G 6 th Sem, ME Dept Naveena V 6 th Sem, ME Dept
07	Green Energy E Vehicle Charging Station Team	V K Deepankar Asst.Prof, ME Dept Chetan C G Asst.Prof, ME Dept	Karthik.R 4 th Sem ME Dept Ananya Ratna H J 2 nd Sem ECE Dept Ananya A P 2 nd Sem CE Dept
08	PSA Oxygen Concentrator	Mr.Nrupatunga C.M Project Coordinator, JNNCE NewGen IEDC	Raghavendra G 4 th Sem ECE Dept Prabhanjana M N 4 th Sem ECE Dept Skanda R Naidu 4 th Sem ECE Dept

JNNCE NewGen IEDC Projects

Batch - III

Financial Year 2021 -2022

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Dr. Basappaji K M

Chief Coordinator

Dr. K.M. BASAPPAJI

Chief Co-ordinator

JNNCE-NewGen IEDC,

Professor, Mechanical Department

J.N.N.College of Engineering

Shivamogga

J N N college of Engineering, Shivamogga
Mechanical Engineering Department consultancy bill
From 01/04/2021 to 31/10/2021
Details of consultancy works

Sl No	Date	Clients Name	Place	Test	Receipt No	Amount (Rs)	GST (Rs)	Total Amount (Rs)	site visits	Net Amount (Rs)
1	28.06.2021	M/s Uday Shivakumar Infratech Ltd.	Shivamogga	Materials Testing	127	6,600.00	1188.00	7788.00		6,600.00
2	14.07.2021	Chethan C R, AIT, Chikmagalur	Chikmagalur	Materials Testing	141	1,000.00	180.00	1180.00		1,000.00
3	14.07.2021	Harshith D C, MCE,Hassan	Hassan	Materials Testing	142	1,500.00	270.00	1770.00		1,500.00
4	16.07.2021	Darshan Yadav, PESITM,Shivamogga	Shivamogga	Materials Testing	143	212.00	38.00	250.00		212.00
5	17.07.2021	Trishul Project team,BIET,DVG	Davangere	Materials Testing	144	1,524.00	276.00	1800.00		1,524.00
6	23.07.2021	Smt.Sumana,BIET,DVG	Davangere	Materials Testing	148	2,100.00	378.00	2478.00		2,100.00
7	30.08.2021	Smt.Sumana,BIET,DVG	Davangere	Materials Testing	172	2,100.00	378.00	2478.00		2,100.00
8	29.09.2021	Pradeep, Govt.Polytechnic,Hassan	Hassan	Materials Testing	211	2,000.00	360.00	2360.00		2,000.00
9	03.04.2021	Shimoga City Corp. Shimoga	Shivamogga	III Party Inspection	104	9,340.00	1681.00	11021.00		9,340.00
10	20.05.2021	Chief Officer, TP,Kargal, Sagar	Kargal	III Party Inspection	121	10,500.00	1890.00	12390.00		10,500.00
11	28.06.2021	Town Panchayath, Thirthahalli	Thirthahalli	III Party Inspection	128	14,750.00	2654.00	17404.00		14,750.00
12	19.08.2021	Chief Officer, TP,Shiralkoppa	Shiralkoppa	III Party Inspection	164	3,500.00	630.00	4130.00		3,500.00
13	13.09.2021	Town Panchayath, Thirthahalli	Thirthahalli	III Party Inspection	189	17,500.00	3150.00	20650.00		17,500.00
14	28.09.2021	Town Panchayath, Soraba	Soraba	III Party Inspection	209	13,233.00	2381.00	15614.00		13,233.00
15	21.10.2021	Shimoga City Corp. Shimoga	Shivamogga	III Party Inspection	227	73,060.00	13150.00	86210.00		73,060.00
					TOTAL	1,58,919.00	28,604.00	1,87,523.00	NIL	1,58,919.00
		Total amount collected								
a		Testing all	Rs. 17,036.00							
b		G S T	Rs. 3,068.00							
		Total	Rs. 20,104.00							
Account section										

DETAILS OF DISTRIBUTION

Sl No	Type of test	Amount (Rs)	Site visiting	Net amount (Rs)	To Management (Rs)	To Staff (Rs)
a	Material testing	20,104.00		17,036.00	10,221.60	6,814.40
b	Third party Inspection	1,67,419.00		1,41,883.00	28,376.60	1,13,506.40
	Total Rs.Ps.	1,87,523.00		1,58,919.00	38,598.20	1,20,320.80
					Site visiting	-
					Total (Rs)	1,20,320.80

Coordinator



E. Babaraj
 HOD (Mechanical)

Dept. of Mechanical Engineering
 J.N.N. College of Engineering
 SHIMOGGA - 577 204

JNNCE NewGen IEDC Projects

Batch - III

Financial Year 2021 -2022

Sl. No.	Project Title	Name of the Mentor/s	Project Team
01	Smart Irrigation Controllers	Prema K.N Asst.Prof, ECE Dept Mr. Koushik R Udupa CTO, Ekathva Innovations	V N Gokul Krishna 6 th Sem-ECE Dept Umesh R H 6 th Sem-ECE Dept
02	Intelligent Air Quality Classifier using ML & IOT	Dr. Chetan K R HOD, AI&ML Dept	Nidhishree MP 6 th CS Dept Chetana Prabhu H 6 th Sem CS Dept Ananya v Bhat 6 th Sem CS Dept
03	Electric Mobility Vehicle for campus	Dr. Amith Kumar .S.J Asst.Prof, ME Dept	Sathvik S 6 th Sem ME Dept Kevin Abhishek D T 6 th Sem ME Dept Karthik Shetty 6 th Sem ME Dept Manohar H S 6 th Sem ME Dept
04	Development of Cold Bituminous Mix of Components	Arun V Asst.Prof, Civil Eng Dept Anirudh N Asst.Prof, Civil Eng Dept	TEJASWINI R 2 nd Sem, MTech
05	Laboratory Investigation on Com Pavements	Anirudh N Asst.Prof, Civil Eng Dept	SRICHARAN R 2 nd Sem, MTech
06	Intelligent Areca Drier	Jayavardhana Achaya N Lecturer, ME Dept Abdul Saleem Lecturer, ME Dept	Krishna Kantha Holla K G 6 th Sem, ME Dept Naveena V 6 th Sem, ME Dept
07	Green Energy E Vehicle Charging Station Team	V K Deepankar Asst.Prof, ME Dept Chetan C G Asst.Prof, ME Dept	Karthik.R 4 th Sem ME Dept Ananya Ratna H J 2 nd Sem ECE Dept Ananya A P 2 nd Sem CE Dept
08	PSA Oxygen Concentrator	Mr.Nrupatunga C.M Project Coordinator, JNNCE NewGen IEDC	Raghavendra G 4 th Sem ECE Dept Prabhanjana M N 4 th Sem ECE Dept Skanda R Naidu 4 th Sem ECE Dept

JNNCE NewGen IEDC Projects

Batch - III

Financial Year 2021 -2022

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14	Cross breeding in plants using machine learning and IOT, identifying benefits to human	Samara Mubeen Asst..Prof., IS Dept	TasmiyaMansoor Mohammed Faizan Ahmad VivekSrinivasan Varshini B.R	

Dr. Basappaji K M

Chief Coordinator

Dr. K.M. BASAPPAJI

Chief Co-ordinator

JNNCE-NewGen IEDC,

Professor, Mechanical Department

J.N.N.College of Engineering

Shivamogga

JNNCE NewGen IEDC Projects

Batch - III

Financial Year 2021 -2022

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JNNCE NewGen IEDC Projects

Batch - III

Financial Year 2021 -2022

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Chief Co-ordinator

JNNCE-NewGen IEDC,

Professor, Mechanical Department

J.N.N.College of Engineering

Shivamogga

JNNCE NewGen IEDC Projects

Batch - III

Financial Year 2021 -2022

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JNNCE NewGen IEDC Projects

Batch - III

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Dr. Basappaji K M

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Dr. K.M. BASAPPAJI

Chief Co-ordinator

JNNCE-NewGen IEDC,

Professor, Mechanical Department

J.N.N.College of Engineering

Shivamogga

KARNATAKA SCIENCE AND TECHNOLOGY ACADEMY

Dept. of Science and Technology, Govt. of Karnataka

"Prof. U R Rao Bhavan" GKVK Campus, Major Sandeep Unnikrishnan Road, Doddabettahalli Layout,
Vidyaranyapura Post, Bengaluru - 560097; Ph: +91-80-29721549; 29721550 Email: ksta.gok@gmail.com;
Website: kstacademy.in

Dr. A M Ramesh
Chief Executive Officer

April 19, 2022

KSTA/STS/LTR.NO.18/31/2021-22/

Dear Dr Karthika and Mr Hemanth Kumar,

Greetings from Karnataka Science and Technology Academy!

I am happy to inform you that your proposal was evaluated by a panel of experts based on the criteria already specified on March 26, 2022. The committee has recommended partial funding of **Rs. 35,000/- (Rupees Thirty-Five Thousand Only)** for the project titled "**JNN Spraying machine for Arecanut and Black Pepper**" with the following terms and conditions.

- The fund amount shall be spent for the project within the specified time of 6 months.
- The proposer should complete the project within the specified time. In case of any deputation/transfer/resignation of the proposer the Principal/Management should take responsibility of completing the project or to return grants to KSTA with interest.
- The Proposer who is under Internship must complete the project before completing the Intern.
- Any portion of the fund which is not required for expenditure for the approved purpose shall be duly returned to KSTA.
- Statement of Expenditure and Utilization certificate are to be submitted to KSTA within six months.
- KSTA, being a Government Agency, accounts are subject to verification by C&AG. Hence, expenditure should be according to Govt. rules and regulations.
- The grantee should publish a paper in a reputed journal and submit the same to KSTA.
- KSTA should be given due acknowledgement for any innovations/patents, arising out of the project sponsored by KSTA.

The grant amount has been transferred to your institutional account with the transaction ID **SBIN322103290439** dated: **13/04/2022** as provided by you.

Kindly acknowledge the receipt of the amount.

Thanking you,

Yours Sincerely,


[A M Ramesh]

Dr. Karthika B S

Professor and Head, Dept. of Civil Engineering

JNN College of Engineering, Navule, Shivamogga-577204

CC: **Mr. Hemanth Kumar**, Asst. Professor, Dept. of MCA, JNN College of Engineering, Navule,
Shivamogga
Principal, JNN College of Engineering, Navule, Shivamogga