

# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012  
Website: www.kscst.org.in || Email: spp@kscst.org.in || Tel: 080-2334 1652,2334 8848/49/40

## 46<sup>th</sup> series of Student Project Programme (SPP): 2022-23

### List of Student Project Proposals Approved for Sponsorship

#### 137. R.R. INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	AMOUNT SANCTIONED (RS.)
989.	46S_BE_1984	SEISMOTECTONIC EVALUATION USING GEOMORPHIC TOOLS	B.E.	CIVIL ENGINEERING	Dr. PRASEEDA E Dr. DIVYA LAKSHMI K S	Ms. RUMA NOATIA Mr. MANAHAR NISHAD Mr. YASHWANTH K	4,000.00
990.	46S_BE_3183	HYDROLOGICAL INVESTIGATION OF STORM WATER MANAGEMENT USING GEOSPATIAL TECHNIQUES IN URBAN AREAS	B.E.	CIVIL ENGINEERING	Mr. GIRISH G	Ms. PINKI MACHAHARY Ms. R LALBUATSAIHA Mr. DEV ANAND S	4,000.00
991.	46S_BE_1190	APP BASED REAL TIME LOCALIZED AIR QUALITY MONITORING AND PREDICTION USING ML	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. NIRANJAN R CHOUGALA	Mr. JEEVAN SUTAR Mr. KAUSHAL SINGH KUNWAR Mr. KARAN RAY THARU Mr. AMAN LALL JOSHI	4,000.00
992.	46S_BE_1305	AUTOMATED SOLAR BASED ELECTRIC GRASS CUTTER WITH MULTI-PURPOSE ROBOTIC VEHICLE	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Ms. SUNANDA C V Mr. GOWTHAM GRANDHE	Mr. DHEERAJ K Mr. DHANUSH S Ms. BHOOMIKA R Ms. THEJASWINI B	6,000.00
993.	46S_BE_1233	DESIGN OF INTELLIGENT ADAPTIVE HEADLIGHT SYSTEM FOR AUTOMOBILES	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SUNITHA H D	Mr. VISHNU K V Ms. SHUBHASHREE B Mr. ABHISHEK N M	5,000.00
994.	46S_BE_0999	WEATHER FORECASTING AND MINIMUM SUPPORT PRICE PREDICATION OF CROPS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. NAVEEN M	Mr. JAVED CHOWDHURY Mr. VYAS BALAKRISHNA R Ms. BABITA KURMI Ms. MEGHASHREE ROY	4,000.00

995.	46S_BE_1239	ASSISTIVE DEVICE FOR DEAF, DUMB AND BLIND USING RASPBERRY PI	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. ERAPPA G	Ms. RUPAM PAL Ms. ADITI SAHU Mr. ROHIT VIKRAM Mr. RAUNAK RAJ	4,000.00
996.	46S_BE_1519	EFFECTIVE UTILIZATION AND MANAGEMENT OF LEFT OVER FOOD	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. NAVEEN M	Mr. SHASHANK S Mr. KUSHAL C Ms. DHANYA SHREE M Ms. RAKSHITHA H S	4,000.00
997.	46S_BE_1037	DEVELOPMENT OF A DEVICE FOR VEHICLE MONITORING AT BLIND CURVES	B.E.	MECHANICAL ENGINEERING	Dr. SURESH C N	Mr. GANESH PUN Ms. JAY SHRESTHA Mr. ISHTIYAQUE AHMED KHAN Mr. MD OWAIS ANSARI	6,000.00
998.	46S_BE_3834	DESIGN AND FABRICATION OF GAS ATOMISER TO PRODUCE METAL POWDER FROM INDUSTRIAL WASTE	B.E.	MECHANICAL ENGINEERING	Dr. CHANNABASAVARAJ S	Ms. RANJAN L R Mr. SHIVAM SINHA Mr. YASHWANTH K M Mr. IMAMSAB	6,000.00

**Transaction Details:**

NAME OF THE ACCOUNT HODLER	DATE OF TRANSACTION	TRANCTION DETAILS	AMOUNT
R R INSTITUTE OF TECHNOLOGY	12-05-2023	NEFT Dr-P132230240892087-R R INSTITUTE OF TECHNOLOGYBARB0VJCHIK	47,000.00



# 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,  
R.R. Institute of Technology,  
Raja Reddy Layout, Chikkabanavara,  
Hesaraghatta Main Road,  
Bengaluru – 560 090.

Dear Sir/Madam,

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

**Project Proposal Reference No. : 46S\_BE\_1519**

Ref : Project Proposal entitled **EFFECTIVE UTILIZATION AND MANAGEMENT OF LEFT OVER FOOD**

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

<b>Student(s)</b>	Mr. SHASHANK S	<b>Department</b>	INFORMATION SCIENCE AND ENGINEERING
	Mr. KUSHAL C		
	Ms. DHANYA SHREE M		
	Ms. RAKSHITHA H S		
<b>Guide(s)</b>	Dr. NAVEEN M	<b>Sanctioned Amount (in Rs.)</b>	4,000.00

### Instructions:

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

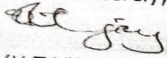


- 8) Methodology ( about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
- 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
- 10) Scope for future work (about 20 lines).
- e) In case of incometed projects, the sanctioned 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/YWz56TrGg7fnSQgc7>. The report should be prepared in the format prescribed by the university.

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

Thanking you and with best regards,

Yours sincerely,



(U T Vijay)

Copy to:

- 1) The HoD  
INFORMATION SCIENCE AND ENGINEERING  
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Dr. NAVEEN M  
INFORMATION SCIENCE AND ENGINEERING  
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
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Bengaluru – 560 090.

Dear Sir/Madam,

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

**Project Proposal Reference No. : 46S\_BE\_0999**

Ref : Project Proposal entitled **WEATHER FORECASTING AND MINIMUM SUPPORT PRICE  
PREDICATION OF CROPS**

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

<b>Student(s)</b>	Mr. JAVED CHOWDHURY	<b>Department</b>	INFORMATION SCIENCE AND ENGINEERING
	Mr. VYAS BALAKRISHNA R		
	Ms. BABITA KURMI		
	Ms. MEGHASHREE ROY		
<b>Guide(s)</b>	Dr. NAVEEN M	<b>Sanctioned Amount (in Rs.)</b>	4,000.00

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  - 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)

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The Principal,  
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Bengaluru – 560 090.

Dear Sir/Madam,

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

**Project Proposal Reference No. : 46S\_BE\_1239**

Ref : Project Proposal entitled **ASSISTIVE DEVICE FOR DEAF, DUMB AND BLIND USING RASPBERRY PI**

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

<b>Student(s)</b>	Ms. RUPAM PAL	<b>Department</b>	INFORMATION SCIENCE AND ENGINEERING
	Ms. ADITI SAHU		
	Mr. ROHIT VIKRAM		
	Mr. RAUNAK RAJ		
<b>Guide(s)</b>	Dr. ERAPPA G	<b>Sanctioned Amount (in Rs.)</b>	4,000.00

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



- 8) Methodology ( about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
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- 2) Dr. ERAPPA G  
INFORMATION SCIENCE AND ENGINEERING  
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Hesaraghatta Main Road,  
Bengaluru – 560 090.

Dear Sir/Madam,

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

**Project Proposal Reference No. : 46S\_BE\_1305**

Ref : Project Proposal entitled **AUTOMATED SOLAR BASED ELECTRIC GRASS CUTTER WITH MULTI-PURPOSE ROBOTIC VEHICLE**

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

<b>Student(s)</b>	Mr. DHEERAJ K	<b>Department</b>	ELECTRICAL AND ELECTRONICS ENGINEERING
	Mr. DHANUSH S		
	Ms. BHOOMIKA R		
	Ms. THEJASWINI B		
<b>Guide(s)</b>	Ms. SUNANDA C V	<b>Sanctioned Amount (in Rs.)</b>	6,000.00
	Mr. GOWTHAM GRANDHE		

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  - Name of the students & Guide(s)
  - Keywords
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  - Objectives (about 10 lines)

- 8) Methodology ( about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
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Copy to:

- 1) The HoD  
ELECTRICAL AND ELECTRONICS ENGINEERING  
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Ms. SUNANDA C V                      Mr. GOWTHAM GRANDHE  
ELECTRICAL AND ELECTRONICS ENGINEERING  
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 3) THE ACCOUNTS OFFICER  
KSCST, BENGALURU





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Executive Secretary

24th April, 2023

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Raja Reddy Layout, Chikkabanavara,  
Hesaraghatta Main Road,  
Bengaluru – 560 090.

Dear Sir/Madam,

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

**Project Proposal Reference No. : 46S\_BE\_1190**

Ref : Project Proposal entitled **APP BASED REAL TIME LOCALIZED AIR QUALITY MONITORING AND PREDICTION USING ML**

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

<b>Student(s)</b>	Mr. JEEVAN SUTAR	<b>Department</b>	COMPUTER SCIENCE AND ENGINEERING
	Mr. KAUSHAL SINGH KUNWAR		
	Mr. KARAN RAY THARU		
	Mr. AMAN LALL JOSHI		
<b>Guide(s)</b>	Dr. NIRANJAN R CHOUGALA	<b>Sanctioned Amount (in Rs.)</b>	4,000.00

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- 1) The HoD  
COMPUTER SCIENCE AND ENGINEERING  
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Dr. NIRANJAN R CHOUGALA  
COMPUTER SCIENCE AND ENGINEERING  
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
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24th April, 2023

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The Principal,  
R.R. Institute of Technology,  
Raja Reddy Layout, Chikkabanavara,  
Hesaraghatta Main Road,  
Bengaluru – 560 090.

Dear Sir/Madam,

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

**Project Proposal Reference No. : 46S\_BE\_1037**

Ref : Project Proposal entitled **DEVELOPMENT OF A DEVICE FOR VEHICLE MONITORING AT BLIND CURVES**

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

<b>Student(s)</b>	Mr. GANESH PUN	<b>Department</b>	MECHANICAL ENGINEERING
	Ms. JAY SHRESTHA		
	Mr. ISHTIYAQUE AHMED KHAN		
	Mr. MD OWAIS ANSARI		
<b>Guide(s)</b>	Dr. SURESH C N	<b>Sanctioned Amount (in Rs.)</b>	6,000.00

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R.R. Institute of Technology,  
Raja Reddy Layout, Chikkabanavara,  
Hesaraghatta Main Road,  
Bengaluru – 560 090.

Dear Sir/Madam,

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

**Project Proposal Reference No. : 46S\_BE\_3834**

Ref : Project Proposal entitled **DESIGN AND FABRICATION OF GAS ATOMISER TO PRODUCE METAL POWDER FROM INDUSTRIAL WASTE**

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

<b>Student(s)</b>	Ms. RANJAN L R	<b>Department</b>	MECHANICAL ENGINEERING
	Mr. SHIVAM SINHA		
	Mr. YASHWANTH K M		
	Mr. IMAMSAB		
<b>Guide(s)</b>	Dr. CHANNABASAVARAJ S	<b>Sanctioned Amount (in Rs.)</b>	6,000.00

### Instructions:

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

- 8) Methodology ( about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
  - 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
  - 10) Scope for future work (about 20 lines).
- e) In case of 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/YWz56TrGg7fnSQgc7>. The report should be prepared in the format prescribed by the university.

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

Thanking you and with best regards,

Yours sincerely,



(U T Vijay)

Copy to:

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



# 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,  
R.R. Institute of Technology,  
Raja Reddy Layout, Chikkabanavara,  
Hesaraghatta Main Road,  
Bengaluru – 560 090.

Dear Sir/Madam,

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

**Project Proposal Reference No. : 46S\_BE\_1984**

Ref : Project Proposal entitled **SEISMOTECTONIC EVALUATION USING GEOMORPHIC TOOLS**

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

<b>Student(s)</b>	Ms. RUMA NOATIA	<b>Department</b>	CIVIL ENGINEERING
	Mr. MANAHAR NISHAD		
	Mr. YASHWANTH K		
<b>Guide(s)</b>	Dr. PRASEEDA E	<b>Sanctioned Amount (in Rs.)</b>	4,000.00
Dr. DIVYA LAKSHMI K S			

### 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/nWTaJvrwzp3Wmvt6>. The synopsis should include following:
  - Project Reference Number
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords
  - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
  - Objectives (about 10 lines)



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

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

Thanking you and with best regards,

Yours sincerely,



(U T Vijay)

Copy to:

- 1) The HoD  
CIVIL ENGINEERING  
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Dr. PRASEEDA E                      Dr. DIVYA LAKSHMI K S  
CIVIL ENGINEERING  
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 3) THE ACCOUNTS OFFICER  
KSCST, BENGALURU



# Karnataka State Council for Science and Technology

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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,  
R.R. Institute of Technology,  
Raja Reddy Layout, Chikkabanavara,  
Hesaraghatta Main Road,  
Bengaluru – 560 090.

Dear Sir/Madam,

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

Project Proposal Reference No. : **46S\_BE\_3183**

Ref : Project Proposal entitled

**HYDROLOGICAL INVESTIGATION OF STORM WATER  
MANAGEMENT USING GEOSPATIAL TECHNIQUES IN URBAN  
AREAS**

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

<b>Student(s)</b>	Ms. PINKI MACHAHARY	<b>Department</b>	CIVIL ENGINEERING
	Ms. R LALBUATSAIHA		
	Mr. DEV ANAND S		
<b>Guide(s)</b>	Mr. GIRISH G	<b>Sanctioned Amount (in Rs.)</b>	4,000.00

### Instructions:

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

- 8) Methodology ( about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
  - 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
  - 10) Scope for future work (about 20 lines).
- e) In case of 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/YWz56TrGg7fnSQgc7>. The report should be prepared in the format prescribed by the university.

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

Thanking you and with best regards,

Yours sincerely,



(U T Vijay)

Copy to:

- 1) The HoD  
CIVIL ENGINEERING  
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Mr. GIRISH G  
CIVIL ENGINEERING  
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 3) THE ACCOUNTS OFFICER  
KSCST, BENGALURU





# 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,  
R.R. Institute of Technology,  
Raja Reddy Layout, Chikkabanavara,  
Hesaraghatta Main Road,  
Bengaluru - 560 090.

Dear Sir/Madam,

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

**Project Proposal Reference No. :** 46S\_BE\_1233

**Ref :** Project Proposal entitled **DESIGN OF INTELLIGENT ADAPTIVE HEADLIGHT SYSTEM FOR AUTOMOBILES**

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

<b>Student(s)</b>	Mr. VISHNU K V	<b>Department</b>	ELECTRONICS AND COMMUNICATION ENGINEERING
	Ms. SHUBHASHREE B		
	Mr. ABHISHEK N M		
<b>Guide(s)</b>	Dr. SUNITHA H D	<b>Sanctioned Amount (In Rs.)</b>	5,000.00

### Comments / Suggestions of the Experts

*Only it is not clear how MATLAB code will be interfaced and is it bunch of LED's controlled or individual ones.*

### 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



# Canara Steel Corporation

Dealers in : **IRON & STEEL**

Sri Muneshwara IndL. Estate, Peenya, BANGALORE - 58, E-mail : canarasteel@gmail.com

Ph : 080-41170381, Mob : 98803 34064

*Ref.*

*Date :* 17.11.2022

To,

The Principal  
RR Institute of Technology  
Chikkabanavara, Bangalore 560090

Sir,

Subject: Sanction of Support to R & D  
Reference: The letter dated:19-09-2022

Greetings from Canara Steel Corporation

With reference to the subject, letter cited above, & discussions at our office, we are happy to sanction the funds of Rs.1,80,000/- to support the R & D activities of your college.

Please find enclosed Cheque No: 045612 Dated:17-11-2022.

Thank you & All the Best.



From,  
Dileep Sudendra  
Canara Steel Corporation  
Sri Muneshwara Ind.Estate, Peenya  
Bangalore-58



Hotel Ujjawala International, 1st Phase, Peenya Industrial Estate, Peenya,  
Bengaluru - 560058  
Karnataka India  
IFSC : KKBK0008036

- Valid for three months from the date of issue

दिनांक  
Date

17.11.2022  
D D M M Y Y Y Y

या धारक को Or Bearer

Pay

R.R. Institute of Technology

रुपये Rupees

one Lakh Eighty Thousand only

अदा करें।

₹

1,80,000/-

BUSINESS FINANCE CURRENT  
ACCOUNT  
CBS

For Canara Steel Corporation

खाता सं.  
A/C No. 6111798041

Authorized Signatory  
Please sign above

16-11-2022

Payable At-par at all branch locations of Kotak Mahindra Bank Ltd.

⑈002000⑈ 560485017⑈ 045612 ⑈ 30

09.11.2022

To,  
The Principal  
RR Institute of Technology  
Chikkabanavara, Bangalore 560090

Sir,

Subject: Sanction of Support to R & D  
Reference: The letter dated: 19-09-2022

Greetings from REALM, a design domain.

With reference to the subject, letter cited above, & discussions at our office, we are happy to sanction the funds of Rs.2,60,000/- to support the R & D activities of your college.

Please find enclosed Cheque No: 086002 Dated: 09.11.2022.

Thank you & All the Best.



From,  
Sriraj.B, Managing Partner Realm  
#6,3<sup>rd</sup> cross, M.K.Puttalingaiah road,  
Padmanabhanagar,  
Bangalore-560070.





Jayanagar 7th Block Branch  
 A| Towers, No. 509, 8Th Cross, Jayanagar 7Th Block, Bangalore - 560 082.  
 RTGS / NEFT / IFS Code : ICIC0000251



VALID FOR THREE MONTHS ONLY  
 09 | 11 | 2022  
 D D M M Y Y Y Y

Pay R R Institute of Technology OR ORDER

Rupees Two lakh Sixty thousand  
Only

₹ 2,60,000/-

A/c No. 025105008284

23/7/19  
 CABUS CBS  
 BUSINESS BANKING : NEW CURRENT ACCOUNT  
 Payable at par at all branches of ICICI Bank Limited in India



REALM  
  
 AUTHORIZED SIGNATORIES  
 Please sign above

⑈000855⑈ 5602290161: 086002 ⑈ 29



# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012  
Website: [www.kscst.org.in](http://www.kscst.org.in) || Email: [spp@kscst.org.in](mailto:spp@kscst.org.in) || Tel: 080-2334 1652,2334 8848/49/40

## 45<sup>th</sup> series of Student Project Programme (SPP): 2021-22

### List of Student Project Proposals Approved for Sponsorship

#### 114. R.R. INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	BUDGET RECOMMENDED
817.	45S_BE_2337	MANUFACTURE SUSTAINABLE AND ECOFRIENDLY COMPOSITE ROOF TILES FROM WASTE PLASTIC AND DEMOLITION WASTE TO ENHANCE RAINWATER HARVESTING	B.E.	CIVIL ENGINEERING	Ms. B R SHILPA Mr. VINOD B R	Mr. DEEPAK THAKUR Mr. DHIRAJ SAH Ms. SINCHANA M Mr. BASAVAN GOWDA P	7,000.00
818.	45S_BE_2078	PARKINSON DISEASE PREDICTION AND ANALYSIS USING MACHINE LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. NITHIN K	Mr. KIRAN KUMAR V C Mr. JACKSON GEORGE Mr. JAMES M AUGUSTINE	6,000.00
819.	45S_BE_2469	DESIGN OF CAMOUFLAGE MILITARY ROBOT IMPLEMENTED WITH BORDER SECURITY SYSTEM USING AI & ML	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. DHANANJAYA M K	Mr. SUMAN KUMAR DEY Ms. POOJA N Ms. PRIYADARSHINI H Ms. SHREYA BAJPAI	6,000.00
820.	45S_BE_1432	ORGAN DONATION - AN ANDROID APPLICATION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. NAVEEN. M	Ms. JAHNAVI SANJEEV NADGIR Ms. NAYANA S	5,000.00
821.	45S_BE_2312	DESIGN & FABRICATION OF UNDER WATER ROV FOR DETECTING FOREIGN BODIES	B.E.	MECHANICAL ENGINEERING	Dr. CHANNABASAVARAJ. S	Mr. TABREJ ALAM ANSARI Mr. TRINAYAN BORTHAKUR Mr. AMIT KUMAR BHAGAT	10,000.00

#### 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](mailto:spp@kscst.org.in).

#### Transaction Details:

NAME OF THE ACCOUNT	DATE OF TRANSACTION	DESCRIPTION	TRANSFERRED AMOUNT
R.R. INSTITUTE OF TECHNOLOGY	14-06-22	NEFT DR- P165220174535222- BARB0VJCHIK-R R INSTITUTE OF TECHNOLOGY-NEFT BY KSCST	34,000.00



# Karnataka State Council for Science and Technology

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

Indian Institute of Science Campus, Bengaluru – 560 012

Telephone: 080-23341652, 23348848, 23348849, 23348840

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

**Mr. H. Hemanth Kumar**

Executive Secretary

11th May, 2022

Ref: 7.1.01/SPP/91

The Principal,  
R.R. Institute of Technology,  
Raja Reddy Layout,  
Chikkabanavara,  
Hesaraghatta Main Road,  
Bengaluru – 560 090

Dear Sir/Madam,

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

**Project Proposal Reference No. :** 45S\_BE\_2337

Ref : Project Proposal entitled **MANUFACTURE SUSTAINABLE AND ECOFRIENDLY COMPOSITE ROOF TILES FROM WASTE PLASTIC AND DEMOLITION WASTE TO ENHANCE RAINWATER HARVESTING**

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:

<b>Student(s)</b>	Mr. DEEPAK THAKUR	<b>Department</b>	CIVIL ENGINEERING
	Mr. DHIRAJ SAH		
	Ms. SINCHANA M		
	Mr. BASAVAN GOWDA P		
<b>Guide(s)</b>	Ms. B R SHILPA	<b>Sanctioned Amount (in Rs.)</b>	7,000.00
	Mr. VINOD B R		

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

- 8) Methodology ( about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
  - 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
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- e) In case of incompeted projects, the sanctioned amount shall be returned to KSCST.
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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  
CIVIL ENGINEERING  
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Ms. B R SHILPA                      Mr. VINOD B R  
CIVIL ENGINEERING  
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 3) THE ACCOUNTS OFFICER  
KSCST, BENGALURU

Date: 08.03.2022

To,  
The Principal  
RR Institute of Technology  
Chikkabanavara, Bangalore 560090

Sir,  
Subject: Sanction of support to R & D  
Reference: The letter dated: 01-10-2021

Greetings from REALM, a design domain.

With reference to the subject, letter cited above, & discussions at our office, we are happy to sanction the funds of Rs.3,10,000/- to support the R & D activities of your college.

Please find enclosed Cheque No:002354 Dated: 08.03.2022.

Thank you & All the Best.



From,  
Sriraj.B, Managing Partner Realm  
#6, 3<sup>rd</sup> cross, M.K.Puttalingaiah road,  
Padmanabhanagar,  
Bangalore-560070.





Jayanagar 7th Block Branch  
 Aj Towers, No. 509, 8Th Cross, Jayanagar 7Th Block, Bangalore - 560 082.  
 RTGS / NEFT / IFS Code : ICIC0000251



VALID FOR THREE MONTHS ONLY

08 03 2022  
 D D M M Y Y Y Y

Pay

RR Institute of Technology

OR ORDER

Rupees

Three lakh Ten Thousand Only

₹ 3,10,000/-

A/c No.

025105008284

CABUS CBS  
 BUSINESS BANKING : NEW CURRENT ACCOUNT  
 Payable at par at all branches of ICICI Bank Limited in India

23/7/19



REALM

*[Handwritten Signature]*

AUTHORISED SIGNATORIES

Please sign above

⑈000855⑈ 560229016⑈ 002354⑈ 29

SESHAASAI(B)/CTS - 2010





## 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.lisc.ernet.in, www.kscst.org.in

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

11th May, 2022

Ref: 7.1.01/SPP/91

The Principal,  
R.R. Institute of Technology,  
Raja Reddy Layout,  
Chikkabanavara,  
Hesaraghatta Main Road,  
Bengaluru – 560 090

Dear Sir/Madam,

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

**Project Proposal Reference No. :** 45S\_BE\_2078

Ref : Project Proposal entitled **PARKINSON DISEASE PREDICTION AND ANALYSIS USING MACHINE LEARNING**

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

<b>Student(s)</b>	Mr. KIRAN KUMAR V C	<b>Department</b>	COMPUTER SCIENCE AND ENGINEERING
	Mr. JACKSON GEORGE		
	Mr. JAMES M AUGUSTINE		
<b>Guide(s)</b>	Prof. NITHIN K	<b>Sanctioned Amount (in Rs.)</b>	6,000.00

### Comments / Suggestions of the Experts

*Only Data set testing is reported and not clinical trials is presented*

### Instructions:

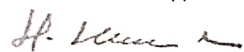
- The project should be performed based on the objectives of the proposal submitted.
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  - Title of the project
  - Name of the College & Department

- 4) Name of the students & Guide(s)
  - 5) Keywords
  - 6) Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
  - 7) Objectives (about 10 lines)
  - 8) Methodology ( about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
  - 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
  - 10) Scope for future work (about 20 lines).
- e) In case of incompeted projects, the sanctioned amount shall be returned to KSCST.
  - f) The sanctioned amount will be transferred by NEFT to the bank account provided by the College/Institute.
  - g) The sponsored projects evaluation will be held in the Nodal Centre/Online Mode and the details of the same will be intimated shortly by email / Website announcement.
  - h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and student(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](mailto:spp@kscst.org.in)

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The HoD  
COMPUTER SCIENCE AND ENGINEERING  
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Prof. NITHIN K  
COMPUTER SCIENCE AND ENGINEERING  
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 3) THE ACCOUNTS OFFICER  
KSCST, BENGALURU



## Karnataka State Council for Science and Technology

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

Indian Institute of Science Campus, Bengaluru – 560 012

Telephone: 080-23341652, 23348848, 23348849, 23348840

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

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

11th May, 2022

Ref: 7.1.01/SPP/91

The Principal,  
R.R. Institute of Technology,  
Raja Reddy Layout,  
Chikkabanavara,  
Hesaraghatta Main Road,  
Bengaluru – 560 090

Dear Sir/Madam,

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

**Project Proposal Reference No. :** 45S\_BE\_2469

**Ref :** Project Proposal entitled **DESIGN OF CAMOUFLAGE MILITARY ROBOT IMPLEMENTED WITH BORDER SECURITY SYSTEM USING AI & ML**

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:

<b>Student(s)</b>	Mr. SUMAN KUMAR DEY	<b>Department</b>	COMPUTER SCIENCE AND ENGINEERING
	Ms. POOJA N		
	Ms. PRIYADARSHINI H		
	Ms. SHREYA BAJPAI		
<b>Guide(s)</b>	Prof. DHANANJAYA M K	<b>Sanctioned Amount (in Rs.)</b>	6,000.00

### Instructions:

- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/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\_2469

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

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The HoD  
COMPUTER SCIENCE AND ENGINEERING  
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Prof. DHANANJAYA M K  
COMPUTER SCIENCE AND ENGINEERING  
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 3) THE ACCOUNTS OFFICER  
KSCST, BENGALURU



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Indian Institute of Science Campus, Bengaluru – 560 012

Telephone: 080-23341652, 23348848, 23348849, 23348840

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

**Mr. H. Hemanth Kumar**

Executive Secretary

11th May, 2022

Ref: 7.1.01/SPP/91

The Principal,  
R.R. Institute of Technology,  
Raja Reddy Layout,  
Chikkabanavara,  
Hesaraghatta Main Road,  
Bengaluru – 560 090

Dear Sir/Madam,

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

**Project Proposal Reference No. :** 45S\_BE\_2312

Ref : Project Proposal entitled

**DESIGN & FABRICATION OF UNDER WATER ROV FOR DETECTING FOREIGN BODIES**

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)	Department	Sanctioned Amount (in Rs.)
Msr. TABREJ ALAM ANSARI	MECHANICAL ENGINEERING	10,000.00
Mr. TRINAYAN BORTHAKUR		
Mr. AMIT KUMAR BHAGAT		
Dr. CHANNABASAVARAJ. S		
Guide(s)		

### 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)

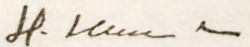


- 8) Methodology ( about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
  - 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
  - 10) Scope for future work (about 20 lines).
- e) In case of incometed projects, the sanctioned amount shall be returned to KSCST.
  - f) The sanctioned amount will be transferred by NEFT to the bank account provided by the College/Institute.
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  - h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and studetn(s) shall be uploaded in the following Google Forms Link <https://forms.gle/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](mailto:spp@kscst.org.in)

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

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



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

11th May, 2022

Ref: 7.1.01/SPP/91

The Principal,  
R.R. Institute of Technology,  
Raja Reddy Layout,  
Chikkabanavara,  
Hesaraghatta Main Road,  
Bengaluru – 560 090

Dear Sir/Madam,

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

**Project Proposal Reference No. : 45S\_BE\_1432**

**Ref : Project Proposal entitled ORGAN DONATION - AN ANDROID APPLICATION**

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:

<b>Student(s)</b>	Ms. JAHNAVI SANJEEV NADGIR	<b>Department</b>	INFORMATION SCIENCE AND ENGINEERING
	Ms. NAYANA S		
<b>Guide(s)</b>	Dr. NAVEEN. M	<b>Sanctioned Amount (in Rs.)</b>	5,000.00

### Comments / Suggestions of the Experts

*Integrate software to NGOs*

### 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

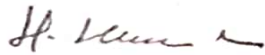


- 8) Methodology ( about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
  - 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
  - 10) Scope for future work (about 20 lines).
- e) In case of incometed projects, the sanctioned amount shall be returned to KSCST.
  - f) The sanctioned amount will be transferred by NEFT to the bank account provided by the College/Institute.
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Please visit our website for further announcements / information and for any clarifications please email to [spp@kscst.org.in](mailto:spp@kscst.org.in)

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

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

# Canara Steel Corporation

Dealers in : **IRON & STEEL**

Sri Muneshwara IndL. Estate, Peenya, BANGALORE - 58, E-mail : canarasteel@gmail.com

Ph : 080-41170381, Mob : 98803 34064

---

*Ref.*

*Date : 07.01.2022.....*

To,  
The Principal  
RR Institute of Technology  
Chikkabanavara, Bangalore 560090

Sir,

Subject: Sanction of support to R & D  
Reference: The letter dated:01-10-2021

Greetings from Canara Steel Corporation

With reference to the subject, letter cited above & discussions at our office, we are happy to sanction the funds of Rs.2,00,000/- to support the R & D activities of your college.

Please find enclosed Cheque No:001212 Dated: 07.01.2022.

Thank you & All the Best.



From,  
Dileep Sudendra  
Canara Steel Corporation  
Sri Muneshwara Ind.Estate,Peenya  
Bangalore-58





Hotel Ujjawala International, 1st Phase, Peenya Industrial Estate, Peenya,  
Bengaluru - 560058  
Karnataka India  
IFSC : KKBK0008036

Valid for three months from the date of issue

दिनांक  
Date

07012022  
D D M M Y Y Y Y

Pay

R. R. Institute of Technology

या धारक को Or Bearer

रुपये Rupees

Two lakh only

अदा करें।

₹ 2,00,000/-

खाता सं.  
A/C No.

6111798041

BUSINESS FINANCE CURRENT  
ACCOUNT  
CBS

For Canara Steel Corporation

Authorised Signatory  
Please sign above

16-11-2022

Payable At-par at all branch locations of Kotak Mahindra Bank Ltd.

⑈002000⑈ 5604850171: 001212 ⑈ 30

## 120. R.R. INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROJECT REFERENCE No.	PROJECT TITLE	BRANCH	COURSE	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	SANCTIONED AMOUNT (IN Rs.)
797.	44S_BE_2069	IoT BASED AIR QUALITY MONITORING SYSTEM USING MQ135 AND MQ7 WITH MACHINE LEARNING ANALYSIS	INFORMATION SCIENCE AND ENGINEERING	B.E.	Dr. NAVEEN M	Mr. MARTHAS Ms. KAVYASHREE S Mr. VINUTHA G S Ms. SWETA GUPTA	5000.00
798.	44S_BE_2455	DESIGN AND FABRICATION OF HOVERBOARD	MECHANICAL ENGINEERING	B.E.	Dr. CHANNABASAVARAJ	Mr. MANSIF KUMAR YADAV Mr. SUNCHIT LAWANIYA Mr. SURESH ASHU Mr. ROSHAN KUMAR SAH	7000.00
799.	44S_BE_2456	DESIGNING OF UAV USING GYROSCOPIC GIMBAL FRAMEWORK	MECHANICAL ENGINEERING	B.E.	Mr. SHRIDHARMURTHY H N	Mr. SOORAJ P Mr. ULLAS K V Mr. SAJIN A S Mr. JITHINRAJ	8000.00
800.	44S_BE_4099	DESIGN AND FABRICATION OF PNEUMATIC COLLAPSIBLE STEERING	MECHANICAL ENGINEERING	B.E.	Dr. AMARNATH G	Mr. BHARATH R Mr. SIDDHARTH N Mr. GIRISH M A	8000.00
801.	44S_BE_4147	GROUND WATER CHARACTERIZATION AND QUALITY ASSESSMENT - A CASE STUDY IN CHIKKABANAVARA TOWN	CIVIL ENGINEERING	B.E.	Mr. GIRISH G	Mr. KIRAN R Mr. MANOJ R Ms. LAXMI Ms. SUNITHA N	5500.00

**Note:**

- Transaction details of sanctioned amount of **Rs. 33500/-** credited on **5<sup>th</sup> June 2021** by **NEFT 21060501033898R.R. INSTITUTE OF TECHNOLOGY**
- The evaluation of above projects will be conducted during July / August 2021 via online mode and participation in the online evaluation process is mandatory, failing to which the sanctioned project will be withdrawn from the list and sanctioned amount shall be returned to KSCST.
- Submit **softcopy of Synopsis in pdf (as per the format preferred in the KSCST website)** and report (PDF format in a single file) of project by **20<sup>th</sup> July 2021**, which will be uploaded in **KSCST SPP portal**.
- Synopsis and report must be named with Reference ID provided by KSCST (Eg: **44S\_BE\_0001**).





## Karnataka State Council for Science and Technology

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

**Mr. H. Hemanth Kumar**

**Executive Secretary**

24th April 2021

Ref: 7.1.01/SPP/10

The Principal  
R.R. Institute of Technology  
Raja Reddy Layout  
Chikkabanavara Hesaraghatta Main Road  
Bengaluru - 560 090

Dear Sir/Madam,

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

**Your Project Proposal Reference No. : 44S\_BE\_4147**

Ref : Your Project Proposal entitled " **GROUND WATER CHARACTERIZATION AND QUALITY ASSESSMENT - A CASE STUDY IN CHIKKABANAVARA TOWN**

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

Student / s	Mr. Kiran R	Budget	
		Particulars	Amount (Rs.)
Student / s	Mr. Manoj R		
	Ms. Laxmi	Materials/Consumables	4,000.00
	Ms. Sunitha N	Labour	-
	Mr. Girish G	Travel	500.00
Guide/s		Miscellaneous	500.00
		Report	500.00
Department	Civil Engineering	<b>Total</b>	<b>5,500.00</b>
<b>FIVE THOUSAND FIVE HUNDRED RUPEES ONLY</b>			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and softcopy of the full report in a CD (single file .pdf format only) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

- 6) Introduction / background  
(with specific reference to the project, work done earlier, etc) - about 20 lines
- 6) Objectives (about 10 lines)
- 7) Methodology (about 20 lines)  
(materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions  
(about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

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

**The sponsored projects evaluation will be held in the Nodal Centre /online platform and the details of the same will be intimated shortly by e-mail / Website announcement.**

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

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to (by email):

- 1) Mr. Dhananjaya M K  
SPP Coordinator  
R.R. Institute Of Technology  
Raja Reddy Layout  
Chikkabanavara Hesaraghatta Main Road  
Bengaluru – 560 090
- 2) Mr. Girish G  
Department of Civil Engineering  
R.R. Institute Of Technology  
Raja Reddy Layout  
Chikkabanavara Hesaraghatta Main Road  
Bengaluru – 560 090
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above



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

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

24th April 2021

Ref: 7.1.01/SPP/10

The Principal  
R.R. Institute of Technology  
Raja Reddy Layout  
Chikkabanavara Hesaraghatta Main Road  
Bengaluru - 560 090

Dear Sir/Madam,

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

Your Project Proposal Reference No. : 44S\_BE\_2069

Ref : Your Project Proposal entitled " **IoT BASED AIR QUALITY MONITORING SYSTEM USING MQ135 AND MQ7 WITH MACHINE LEARNING ANALYSIS**

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

Students	Mr. Martha . S Ms. Kavyashree S Mr. Vinutha G S Ms. Sweta Gupta	Budget	
		Particulars	Amount (Rs)
Guide/s	Dr. Naveen . M	Materials/Consumables	4,000.00
		Labour	-
		Travel	-
Department	Information Science And Engineering	Miscellaneous	500.00
		Report	500.00
		<b>Total</b>	<b>5,000.00</b>
<b>FIVE THOUSAND RUPEES ONLY</b>			

The following are the guidelines to carryout the project work :

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

- 5) Introduction / background  
(with specific reference to the project, work done earlier, etc) - about 20 lines
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(about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

**The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.**

*DISCUSS ML ANALYSIS OF SENSOR DATA. BRINGOUT A METHOD TO CHECK AIR QUALITY*

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

**The sponsored projects evaluation will be held in the Nodal Centre /online platform and the details of the same will be intimated shortly by e-mail / Website announcement.**

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

Thanking you and with best regards,

Yours sincerely,



(H. Hemant Kumar)

Copy to (by email):

- 1) Mr. Dhananjaya M K  
SPP Coordinator  
R.R. Institute Of Technology  
Raja Reddy Layout  
Chikkabanavara Hesaraghatta Main Road  
Bengaluru - 560 090
- 2) Dr. Naveen . M  
Department of Information Science And Engineering  
R.R. Institute Of Technology  
Raja Reddy Layout  
Chikkabanavara Hesaraghatta Main Road  
Bengaluru - 560 090
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above





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

24th April 2021

Ref: 7.1.01/SPP/10

The Principal  
R.R. Institute of Technology  
Raja Reddy Layout  
Chikkabanavara Hesaraghatta Main Road  
Bengaluru - 560 090

Dear Sir/Madam,

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

Your Project Proposal Reference No. : **44S\_BE\_2455**

Ref : Your Project Proposal entitled " **DESIGN AND FABRICATION OF HOVERBOARD**

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

Student / s	Mr. Mansif Kumar Yadav Mr. Sunchit Lawaniya Mr. Suresh Ashu Mr. Roshan Kumar Sah	Budget	
		Particulars	Amount (Rs.)
Guide/s	Dr. Channabasavaraj	Travel	500.00
		Miscellaneous	500.00
Department	Mechanical Engineering	Report	500.00
		<b>Total</b>	<b>7,000.00</b>
<b>SEVEN THOUSAND RUPEES ONLY</b>			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
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- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

- 6) Introduction / background  
(with specific reference to the project, work done earlier, etc) - about 20 lines
- 6) Objectives (about 10 lines)
- 7) Methodology (about 20 lines)  
(materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions  
(about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

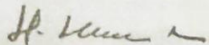
The sanctioned amount will be sent to the Principal / Head of the Institute by NEFT details provided by the college/institution.

**The sponsored projects evaluation will be held in the Nodal Centre /online platform and the details of the same will be intimated shortly by e-mail / Website announcement.**

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

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to (by email):

- 1) Mr. Dhananjaya M K  
SPP Coordinator  
R.R. Institute Of Technology  
Raja Reddy Layout  
Chikkabanavara Hesaraghatta Main Road  
Bengaluru - 560 090
- 2) Dr. Channabasavaraj  
Department of Mechanical Engineering  
R.R. Institute Of Technology  
Raja Reddy Layout  
Chikkabanavara Hesaraghatta Main Road  
Bengaluru - 560 090
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above





# Karnataka State Council for Science and Technology

(An autonomous organisation under the Dept. of Science & Technology, Govt. of Karnataka)  
Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849, 23348840

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

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

24th April 2021

Ref: 7.1.01/SPP/10

The Principal  
R.R. Institute of Technology  
Raja Reddy Layout  
Chikkabanavara Hesaraghatta Main Road  
Bengaluru - 560 090

Dear Sir/Madam,

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

Your Project Proposal Reference No. : **44S\_BE\_2456**

Ref : Your Project Proposal entitled " **DESIGNING OF UAV USING GYROSCOPIC GIMBAL FRAMEWORK**

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

Student / s	Mr. Sooraj P	Budget	
		Particulars	Amount (Rs.)
	Mr. Ullas K V		
	Mr. Sajin A S	Materials/Consumables	6,000.00
	Mr. Jithinraj	Labour	500.00
Guide/s	Mr. Shridharmurthy H N	Travel	500.00
		Miscellaneous	500.00
Department	Mechanical Engineering	Report	500.00
		<b>Total</b>	<b>8,000.00</b>
<b>EIGHT THOUSAND RUPEES ONLY</b>			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and softcopy of the full report in a CD (single file .pdf format only) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
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- 7) Methodology (about 20 lines)  
(materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions  
(about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).

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

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to (by email):

- 1) Mr. Dhananjaya M K  
SPP Coordinator  
R.R. Institute Of Technology  
Raja Reddy Layout  
Chikkabanavara Hesaraghatta Main Road  
Bengaluru - 560 090
- 2) Mr. Shridharmurthy H N  
Department of Mechanical Engineering  
R.R. Institute Of Technology  
Raja Reddy Layout  
Chikkabanavara Hesaraghatta Main Road  
Bengaluru - 560 090
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above



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(An autonomous organisation under the Dept. of Science & Technology, Govt. of Karnataka)  
Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849, 23348840

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

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

24th April 2021

Ref: 7.1.01/SPP/10

The Principal  
R.R. Institute of Technology  
Raja Reddy Layout  
Chikkabanavara Hesaraghatta Main Road  
Bengaluru - 560 090

Dear Sir/Madam,

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

**Your Project Proposal Reference No. : 44S\_BE\_4099**

Ref : Your Project Proposal entitled " **DESIGN AND FABRICATION OF PNEUMATIC COLLAPSIBLE STEERING**

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

Student / s	Mr. Bharath R Mr. Siddharth N Mr. Girish M A	Budget	
		Particulars	Amount (Rs.)
Guide/s	Dr. Amarnath G	Materials/Consumables	6,000.00
		Labour	500.00
		Travel	500.00
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		<b>Total</b>	<b>8,000.00</b>
<b>EIGHT THOUSAND RUPEES ONLY</b>			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
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- 6) Objectives (about 10 lines)
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(materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions  
(about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

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

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to (by email):

- 1) Mr. Dhananjaya M K  
SPP Coordinator  
R.R. Institute Of Technology  
Raja Reddy Layout  
Chikkabanavara Hesaraghatta Main Road  
Bengaluru – 560 090
- 2) Dr. Amarnath G  
Department of Mechanical Engineering  
R.R. Institute Of Technology  
Raja Reddy Layout  
Chikkabanavara Hesaraghatta Main Road  
Bengaluru – 560 090
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above



Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	PROJECT STREAM	NAME OF THE GUIDE(S)	NAME OF THE STUDENTS	SANCTIONED AMOUNT (in Rs.)
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## KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science campus, Bengaluru – 560 012

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

### 43<sup>rd</sup> Series of Student Project Programme: 2019-20

### LIST OF STUDENT PROJECT PROPOSALS APPROVED FOR SPONSORSHIP

#### 111) R.R. INSTITUTE OF TECHNOLOGY, BENGALURU

619.	43S_BE_0341	IMAGE PROCESSING BASED SOLAR POWERED FIRE DETECTION AND EXTIRPATION ROBOT	COMPUTER SCIENCE AND ENGINEERING	B.E.	STREAM A	Prof. SHRUTHI S	Mr. GEORGE JAMES Mr. BIRBAL SUBBA Mr. ASRAAR CONTRACTOR AHMED Mr. PRADIP GHARTI MAGAR	4500.00
620.	43S_BE_3394	DESIGN AND DEVELOPMENT OF FREE SPACE OPTICAL COMMUNICATION SYSTEM FOR TRANSMITTING VOICE SIGNALS UPTO 1KM DISTANCE LINE OF SIGHT	ELECTRICAL AND ELECTRONICS ENGINEERING	B.E.	STREAM A	Prof. K J SOMASHEKARA Prof. N SHYAMSUNDAR	Ms. SNEHA S GOWDA Ms. GANTHIMARRI SUPRIYA Ms. NAHETRIVELU MAHITASOA VICTORIA	6000.00
621.	43S_BE_3824	SMART GLASSES FOR VISUALLY IMPAIRED SYSTEM USING ATMEGA328P AND IOT	COMPUTER SCIENCE AND ENGINEERING	B.E.	STREAM A	Dr. SARAVANAN S	Mr. ANKIT YADAV Mr. VISHAL GUPTA Mr. RAKSHIT KOUL Mr. RITU RAJ	4500.00

Note:

- The sanctioned amount will be sent separately by KSCST to the College in the name of the principal by NEFT transfer. The details of transaction no. and date will be intimated.
- The evaluation of above projects will be conducted at the nodal centres in the month of May / June 2020. Participation in the evaluation process at the nodal centres is mandatory, failing to which the sanctioned project will be withdrawn from the list and sanctioned amount shall be returned to KSCST.
- Further projects will be shortlisted for state level seminar & exhibition which will be conducted during July / August 2020.
- After completion of the projects, the hard copy and soft copy (PDF format only) of the report needs to be sent to KSCST without fail.
- Any corrections with respect to the names of the guide and students should be requested at [spp@kscst.iisc.ernet.in](mailto:spp@kscst.iisc.ernet.in).



# Karnataka State Council for Science and Technology

## Indian Institute of Science Campus, Bengaluru - 560 012

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

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

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

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,  
R.R. Institute of Technology,  
Bengaluru - 560 090.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

Your Project Proposal Reference No. : **43S\_BE\_3824**

Ref : Your Project Proposal entitled " **SMART GLASSES FOR VISUALLY IMPAIRED SYSTEM USING ATMEGA328P AND IOT**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Mr. Ankit Yadav Mr. Vishal Gupta Mr. Rakshit Koul Mr. Ritu Raj	Budget	
		Particulars	Amount (Rs.)
Guide/s	Dr. Saravanan S ✓	Travel	-
	-	Miscellaneous	500.00
Department	Computer Science And Engineering	Report	500.00
		<b>Total</b>	<b>4,500.00</b>
<b>Four Thousand Five Hundred Rupees Only</b>			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

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

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent through crossed cheque to the Principal. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

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

Thanking you and with best regards,

Yours sincerely,

  
(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Computer Science And Engineering  
R.R. Institute Of Technology,  
Bengaluru - 560 090.
- 2) Dr. Saravanan S  
Department of Computer Science And Engineering  
R.R. Institute Of Technology,  
Bengaluru - 560 090.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above



# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012



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

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

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

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,  
R.R. Institute of Technology,  
Bengaluru - 560 090.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020  
Your Project Proposal Reference No. : **43S\_BE\_0341**

Ref : Your Project Proposal entitled " **IMAGE PROCESSING BASED SOLAR POWERED FIRE DETECTION AND EXTIRPATION ROBOT**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Mr. George James Mr. Birbal Subba Mr. Asraar Contractor Ahmed Mr. Pradip Gharti Magar	Budget	
		Particulars	Amount (Rs.)
Guide/s	Prof. Shruthi S ✓	Materials/Consumables	3,500.00
	-	Labour	-
Department	Computer Science And Engineering	Travel	-
		Miscellaneous	500.00
		Report	500.00
		<b>Total</b>	<b>4,500.00</b>
<b>Four Thousand Five Hundred Rupees Only</b>			

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(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

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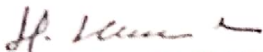
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Yours sincerely,

  
(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Computer Science And Engineering  
R.R. Institute Of Technology,  
Bengaluru - 560 090.
- 2) Prof. Shruthi S  
Department of Computer Science And Engineering  
R.R. Institute Of Technology,  
Bengaluru - 560 090.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above





# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

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[office.kscst@iisc.ac.in](mailto:office.kscst@iisc.ac.in)

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

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,  
R.R. Institute of Technology,  
Bengaluru - 560 090.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

Your Project Proposal Reference No. : **43S\_BE\_3394**

Ref : Your Project Proposal entitled " **DESIGN AND DEVELOPMENT OF FREE SPACE OPTICAL COMMUNICATION SYSTEM FOR TRANSMITTING VOICE SIGNALS UPTO 1KM DISTANCE LINE OF SIGHT**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Ms. Sneha S Gowda Ms. Ganthimarri Supriya Ms. Nahetrivelo Mahitasoa Victoria -	Budget	
		Particulars	Amount (Rs.)
Guide/s	Prof. K J Somashekara ✓	Travel	500.00
	Prof. N Shyamsundar ✓	Miscellaneous	500.00
Department	Electrical And Electronics Engineering	Report	500.00
		<b>Total</b>	<b>6,000.00</b>
<b>Six Thousand Rupees Only</b>			

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- 6) Objectives (about 10 lines)
- 7) Methodology (about 20 lines)  
(materials, methods, details of work carried out, including drawings, diagrams etc)
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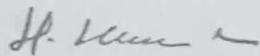
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Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Electrical And Electronics Engineering  
R.R. Institute Of Technology,  
Bengaluru - 560 090.
- 2) Prof. K J Somashekara  
Department of Electrical And Electronics Engineering  
R.R. Institute Of Technology,  
Bengaluru - 560 090.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above

# Canara Steel Corporation

Dealers in : **IRON & STEEL**

Sri Muneshwara IndL. Estate, Peenya, BANGALORE - 58, E-mail : canarasteel@gmail.com

Ph : 080-41170381, Mob : 98803 34064

---

*Ref.*

*Date : 17.12.2019.....*

To,  
The Principal  
RR Institute of Technology  
Chikkabanavara, Bangalore 560090

Sir,

Subject: Sanction of support to R & D  
Reference: The letter dated:29-07-2019

Greetings from Canara Steel Corporation

With reference to the subject, letter cited above & discussions at our office, we are happy to sanction the funds of Rs.3,00,000/- to support the R & D activities of your college.

Please find enclosed Cheque No:000103 Dated: 17.12.2019.

Thank you & All the Best.



From,  
Dileep Sudendra  
Canara Steel Corporation  
Sri Muneshwara Ind.Estate,Peenya  
Bangalore-58





Hotel Ujjawala International, 1st Phase, Peenya Industrial Estate, Peenya,  
Bengaluru - 560058  
Karnataka India  
IFSC : KKBK0008036

Valid for three months from the date of issue

दिनांक  
Date

17 12 2019  
D D M M Y Y Y Y

Pay R R Institute of Technology

या धारक को Or Bearer

रुपये Rupees Three Lakh only

अदा करें।

₹

3,00,000/-

खाता सं.  
A/C No. 6111798041

BUSINESS FINANCE CURRENT  
ACCOUNT  
CBS

For Canara Steel Corporation

Authorised Signatory  
Please sign above

16-11-2022

Payable At-par at all branch locations of Kotak Mahindra Bank Ltd.

⑈002000⑈ 560485017⑈ 000103⑈ 30



Date: 20.11.2019

To,  
The Principal  
RR Institute of Technology  
Chikkabanavara, Bangalore 560090

Sir,

Subject: Sanction of support to R & D  
Reference: The letter dated: 29-07-2019

Greetings from REALM, a design domain.

With reference to the subject, letter cited above, & discussions at our office, we are happy to sanction the funds of Rs.2,00,000/- to support the R & D activities of your college.

Please find enclosed Cheque No:004250 Dated: 20.11.2019.

Thank you & All the Best.



From,  
Sriraj.B, Managing Partner Realm  
#6, 3<sup>rd</sup> cross, M.K.Puttalingaiah road,  
Padmanabhanagar,  
Bangalore-560070.



Jayanagar 7th Block Branch  
 Aj Towers, No. 509, 8Th Cross, Jayanagar 7Th Block, Bangalore - 560 082.  
 RTGS / NEFT / IFS Code : ICIC0000251



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PKM Educational Trust<sup>®</sup>

# R R Institute of Technology

(Affiliated to VTU, Belgaum and Approved by AICTE New Delhi  
Recognized by Govt. of Karnataka)



**ED Cell  
&  
Department of Mechanical Engineering  
Association of RRIT Mechanical Engineers 'ARME'**

**CHIEF PATRON:**

**Sri Y Raja Reddy,**  
Chairman RRIT, Bangalore.

**PATRON:**

**Sri Kiran H R,**  
Secretary, PKMET, Bangalore.

**Sri Arun H R,**  
Director, RRIT, Bangalore.

**Sri Ramakrishna Reddy,**  
CEO, RRIT, Bangalore.

**RECTOR:**

**Dr. M B Manjunath**  
Principal, RRIT, Bangalore.

**CHIEF CO-ORDINATOR:**

**Dr. Channabasavaraj,**  
Professor and Head, Dept of ME,  
RRIT, Bangalore.

**CHIEF COORDINATOR- ED Cell**

**Prof. M. Suneetha**  
Department of ISE, RRIT

**PROGRAMME CO-ORDINATORS:**

**Dr. Amarnath G**

**Dr. S S Kubsad**

**STAFF ADVISORY:**

Prof Naveen G, Dept of ME

Dr.Arulmani. Dept of ME

Prof Nagesh Kumar R, Dept of ME

Prof Shridharmurthy H N

Dept of ME

Prof.Sumanth, Department of CSE

Prof.ShyamSunder, Dept. of EEE

Prof Gunasheela, Dept.of CE

Prof Arpitha, Dept of ISE

**STUDENT CO-ORDINATORS:**

**Hemanth,** 7<sup>th</sup> SEM Mechanical

**Harsha,** 7<sup>th</sup> SEM Mechanical

**Ganshyam Tiwari,** 7<sup>th</sup> SEM

Mechanical

## INVITATION

*You are cordially invited for the 3 day Entrepreneurship Awareness Camp on*

### “Entrepreneurship Awareness Camp”

From 29<sup>th</sup> to 31<sup>st</sup> of October 2018 at 10.00 AM

Chief Guest

**Prof V B Nanda Gopal,**

Professor, Entrepreneurship and Family Business

Guest of Honor

**Sri Y Raja Reddy,**  
Chairman RRIT, Bangalore.

**Sri Kiran H R**  
Secretary, PKMET, Bangalore.

**Sri Arun H R**  
Director, RRIT, Begaluru

**Sri Ramakrishna Reddy**  
CEO, RRIT, Bangalore

Presided By

**Dr. M B Manjunath**  
Principal, RRIT, Bangalore

**VENUE :**

**Seminar Hall**  
R R Institute of Technology,  
Bangalore

Convener

**Dr. Amarnath G**  
Dept of Mechanical Engineering, RRIT, Bangalore.





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**emanth,** 7<sup>th</sup> SEM Mechanical  
**arsha,** 7<sup>th</sup> SEM Mechanical  
**Ganshyam Tiwari,** 7<sup>th</sup> SEM  
Mechanical

### PROGRAM SCHEDULE

#### Day 1: 29-10-2018 Monday

TIME	PROGRAMME
9.00 am – 10.00 am	Inauguration
10.00 am – 11.30 am	Key Note Address by: Prof V B Nanda Gopal, Professor Entrepreneurship and Family Business TOPIC : Entrepreneurship Development Awareness
11.30 am – 11.45 am	<b>Tea/Coffee Break</b>
11.45 am – 01.15 pm	Session 1 by Prof V B Nanda Gopal on Entrepreneurship Development
<b>1.15 pm -2.15 pm</b>	<b>Lunch Break</b>
2.15 pm – 3.45 pm	Session 2 by Resource Person : KSFC manager Topic : Financial Assistance
3.45 pm – 4.00 pm	<b>Tea/Coffee Break</b>
4.00 pm – 4.30 pm	Vote of Thanks

#### Day 2: 30-10-2018 Tuesday

TIME	PROGRAMME
10.00 am – 11.30 am	Session 3 by Resource Person: KASSIA Member Topic: Industry and Institute interaction
11.30 am – 11.45 am	<b>Tea/Coffee Break</b>
11.45 am – 1.15 pm	session 4 by Resource Person : Dr.S Subramanya swamy Principal BIET Davanage re Topic : Entrepreneur's Goal setting
<b>1.15 pm -2.15 pm</b>	<b>Lunch Break</b>
2.15 pm – 3.45 pm	Session 5 Resource Person : KASSIA Member Topic : Methods of Market survey and feasibility review/ Industrial project proposal report preparation.
3.45 pm – 4.00 pm	<b>Tea/Coffee Break</b>
4.00 pm – 4.30 pm	Vote of Thanks



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**Ganshyam Tiwari,** 7<sup>th</sup> SEM  
Mechanical

## PROGRAM SCHEDULE

Day 3:31 – 10-2018 Wednesday

### Name(s) of proposed Industries / R & D Institutions to be visited:

TIME	PROGRAMME
10.00 am – 11.30 am	Session 6 by Resource Person: Prof Sundaresan Topic: <sup>Does</sup> Money only makes Entrepreneurs.
11.30 am – 11.45 am	Tea/Coffee Break
12.00 noon – 4.30 pm	Visit to nearby Industries / Factories, R & D Institutions : The timings of lecture, lunch break etc., can be arranged based on the convenience of the collaborating/ organizing Industries /Institutions.

*MS*  
*26/10/18*



# RR Institute of Technology Bangalore



## Entrepreneurship Development Cell in Association with Dept. of Mechanical Engineering.

### Report on Entrepreneurship Awareness Camp (29 to 31 Oct 2018)

DST-NIMAT Project Engg. :2018-19

#### Date: 29/10/2018- Inauguration Ceremony (Day 1)

**Number of beneficiaries:** 70 students and staff from Department of Mechanical engineering, Department of Civil engineering, Department of Electronic and communication engineering, Department of Electrical and Electronics Engineering, Department of Information Science and engineering.

**Objective:** Inauguration Ceremony - The Entrepreneurship (EDC cell) with association with the Department of Mechanical Engineering initiated a 3 day Entrepreneurship Awareness Camp (EAC), with an objective to enhance knowledge and kindle the skills of the young minds aspiring to be successful entrepreneurs.

**Name and details of the resource person:** The programme began with lighting the lamp by the dignitaries followed by the welcome address by Dr.Amarnath G. The Entrepreneurship Awareness Camp was inaugurated by Dr.Nandagopal Professor Entrepreneurship & Family Businesses specializing in entrepreneurship development covering institutional capacity a dynamic Entrepreneur. The inaugural ceremony started with welcoming the gathering and offering information on thrust full Entrepreneurship.

The Presidential address was delivered by Dr.M.B. Manjunath, Principal, and RRIT, in which he elucidated on the Entrepreneurship Campaign where students would be taken in an industrial visit to orient with the firm which would help them understand the various fields Entrepreneurship has branched out. He also stated the importance of revisiting, dreaming and being passionate about what an individual wants to pursue as it is the perseverance that brings out the light in them.

#### Brief of the program: Session 1 (11.45- 1.15 PM)

Prof Nandagopal delivered the prelude for the Entrepreneurship Awareness Camp- 2018, stating the core objectives of the camp such as to build the innate capability of young students, to bring about Awareness regarding Entrepreneurial life right from grass root levels and also offer multitude of suggestions for them to start off their career.

#### Session 2 (2.15- 4.15PM) Topic: Financial Assistance

Mrs. Mamatha Senior Manager, Karnataka State Financial Corporation, Bangalore addressed the effervescent young gathering where she briefed them about her business and enumerated the driving factors behind them which are following one's passion, working with the right squad, manifesting a



positive attitude towards life and never to give up in spite of debacles. These words made an impact on the listeners enabling them to ask questions and interact with her. She also showed some case studies of successful entrepreneurs who got aid from KSFC. The session concluded on an enthusiastic note.

Towards the end Dr.Chennabasavaraj Chief Coordinator, Entrepreneurship programme expressed his gratitude to Mrs. Mamatha for her valuable presence and the other dignitaries for initiating such a camp which serves as a huge motivating factor for the students.

**Date: 30/10/2018 (Day 2)**

### **Session 3: Topic Industry and institute interaction.**

Professor Gireesh V Gumaste senior Engineer M/s HYNUMAT INTERNATIONAL Bangalore gave his experiences as an entrepreneur how to start an industry with zero investment. He gave the following STEPS FOR PLANNING AND IMPLEMENTING Determine the goals of the learning experiences that can be accomplished through entrepreneurial experiences.

1. Determine under what conditions a student will be allowed to organize an entrepreneurial venture to meet work-based learning requirements.
  - Will students be allowed this option or must a student's career plan indicate that he/she has been pursuing preparation to become an entrepreneur?
  - Must the student be enrolled in a complimentary course or will a school advisor be assigned to work with a student's entrepreneurial experience that may not be one of the student's instructors?
2. Determine the components of entrepreneurial experience.
  - Will the student have to develop a business plan as a part of the experience, or will the student develop the business plan prior to the entrepreneurial work-based learning experience?
  - Must the business plan development come in a course such as Entrepreneurship, or can it be developed independently of a course?
  - Must the business plan be reviewed by a business mentor as part of the planning for the experience?
  - Must the student find a business mentor, or will the school select the entrepreneurship mentor?
3. Design a system for evaluating the experience.
  - Which partners - business mentor, school, and/or student will evaluate the experience?
  - How will students be rewarded for successful completion of the entrepreneurship experience? (course credit is not allowed)
  - Will a standard evaluation form be used to monitor the success of each students' entrepreneurial experience?

### **Session 4: Topic : Entrepreneur's Goal Setting**

Dr.S Subramanya Swamy Principal BIET Davanagere gave his experiences in goals of an entrepreneur if you really want to make a success of your business, it's important to define your business goals, especially before you get started. For some people, the goal is the freedom to do what they want when they want, without anyone telling them otherwise. For others, the goal is financial security. He told about setting goals is an integral part of choosing the business that's right for us. After all, if your business doesn't meet your personal goals, you probably won't be happy waking up each morning and trying to make the business a success. Sooner or later, you'll

stop putting forth the effort needed to make the concept work. At its simplest, a goal is just something you aim for. But goals are powerful contributors to successful business growth in several ways. Goals also give you a framework within which to work. This tends to focus your efforts by helping you rule out actions that won't contribute to achieving the goals you've set. A very important part of that framework is a timetable. Any good goal has a timetable, and that timetable will influence your actions profoundly. When setting goals, aim for the following qualities:

- **Specificity.** You have a better chance of achieving a goal if it's specific.
- **Optimism.** Be positive when you set your goals. Being able to pay the bills isn't exactly an inspirational goal. Achieving financial security phrases your goal in a more positive manner, thus firing up your energy to attain it.
- **Realism.** Begin with small steps, such as increasing your monthly income by 25 percent. Once your first goal is met, you can reach for larger ones.
- **Short and long term.** Short-term goals are attainable in a period of weeks to a year. Long-term goals can be for five, 10 or even 20 years; they should be substantially greater than short-term goals but should still be realistic.

Session 5: Topic: Methods of Market Survey and feasibility review for industrial project proposal

Mr, Dinesh Kumar HN, CADVIN Technologies, Bangalore was delivered lecture on feasibility review for industrial project he gave information on the purpose behind a **project feasibility study** and to know the different variables involved with your business venture and how it will be accepted on the open market along with who will be the target customer. In a projects lifecycle, the project feasibility study is the second document that is created following the business case. The purpose of this study is to determine the factors that will make the business opportunity that was presented in the business case a success. Included in the *project feasibility study* will be the exploration of the main focus of the business opportunity along with the alternative paths it could follow. By collecting this data, management can then make an informed decision on which path should be pursued in order to create the most profitable revenue stream for the company. To get a project feasibility study started, the use of a feasibility study template is the most efficient means to progressing this document so a final draft can then be implemented. The template will already have the document outlined with the appropriate sections created. It will also be in the most efficient order so following the document by the feasibility team can commence with little to no bottlenecks that might impede its progression. The project feasibility study will explore the different markets where a target audience might be located. There should also be alternative target audiences and their location explored. Along with the target audience, other factors that need to be investigated is how acceptable the deliverable is to the propose target audience. There should be several different variations that can include size and color difference. This permits the best possible response so the right product can be produced for the right customers.

**Date: 30/10/2018 (Day 3)**

Session 6 : Topic : Does Money only makes the Entrepreneur?

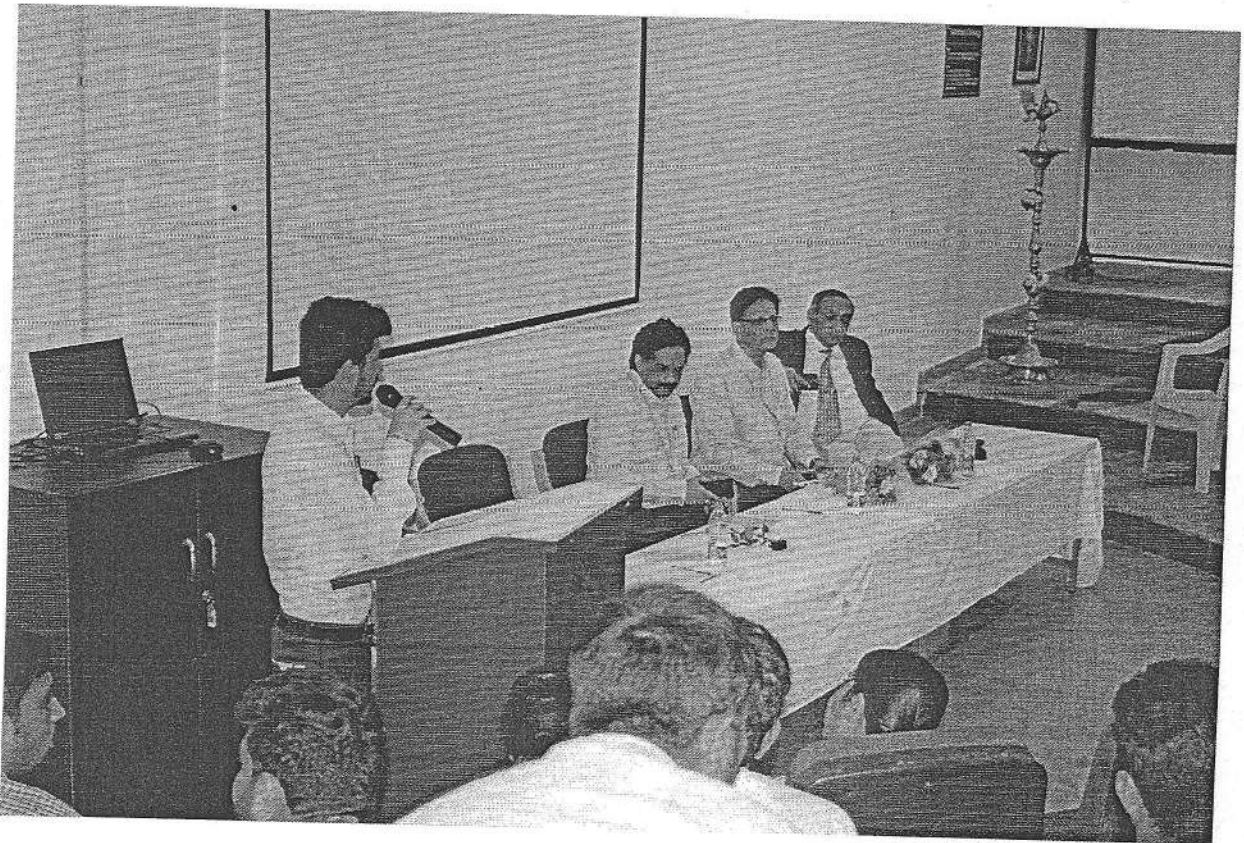
Professor Sundaresan S D an Entrepreneur cum faculty gave lecture on the importance of money while doing businesses. He told about the motives that vary individually, but consist of



some mixture of self-challenge, a desire to further human advancement, freedom of choice in how time is spent, the ability to have more choices in life, including early retirement and enjoying the fruits of one's efforts. The methods also vary, but include mixtures of everything that companies do. The difference is that the entrepreneur must be above average in all of them. He doesn't "punch the clock." He may work long hours without compensation because he has a dream. He befriends people who will be helpful to his dream, and he, theirs, otherwise his is a lonely existence. When things are not going well, family, and others want him to "just get a real job" but he must dismiss them. Those who understand him are his peers, partners or those who believe in him and ride the coat tails. He needs them all.

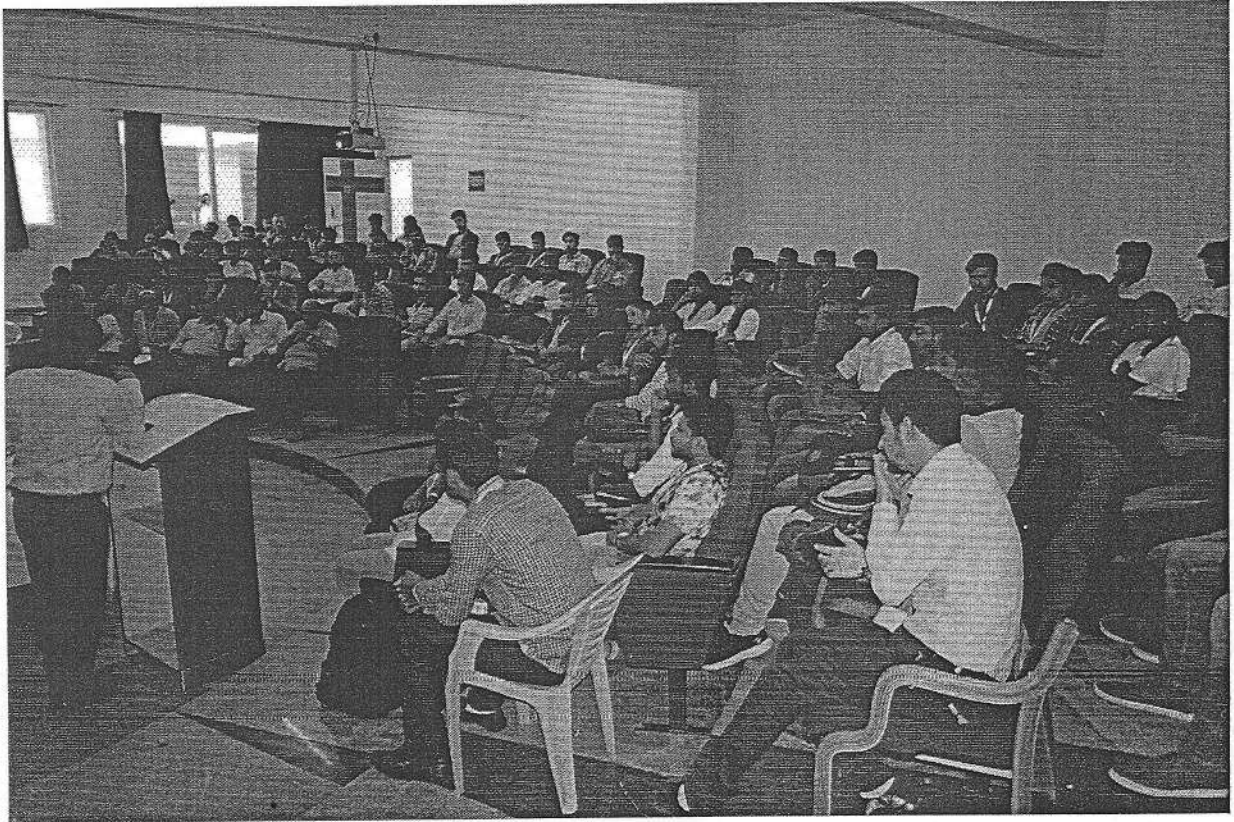
Session 7 : Industrial visit 12.00 Noon – 4.30 PM

All the students and the two faculty members visited the CIM Tools Pvt Ltd. 469, Site No. 467 12<sup>th</sup> cross road Peenya Industrial area Phase IV Bangalore 560058. It is an Aerospace industry manufacturing the various parts of an aircraft. They showed the sophisticated instruments of metrology, CNC machines etc.

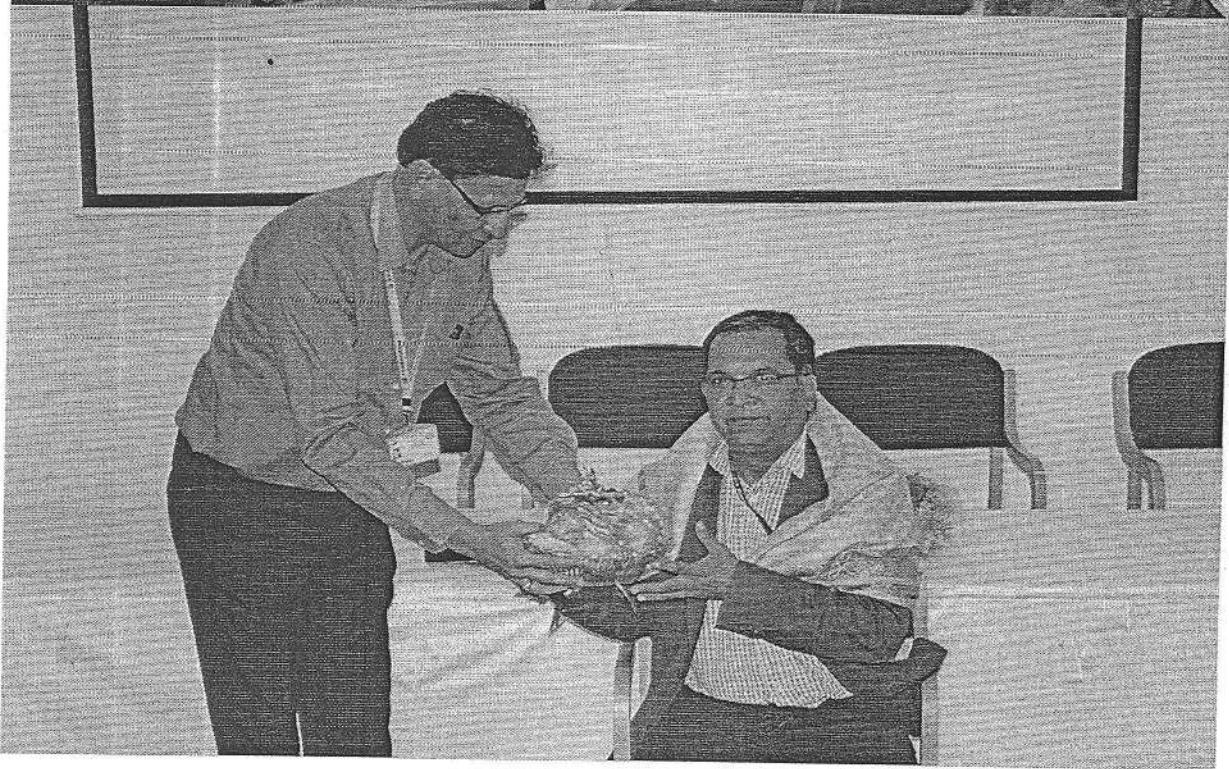


Inauguration of the Programme



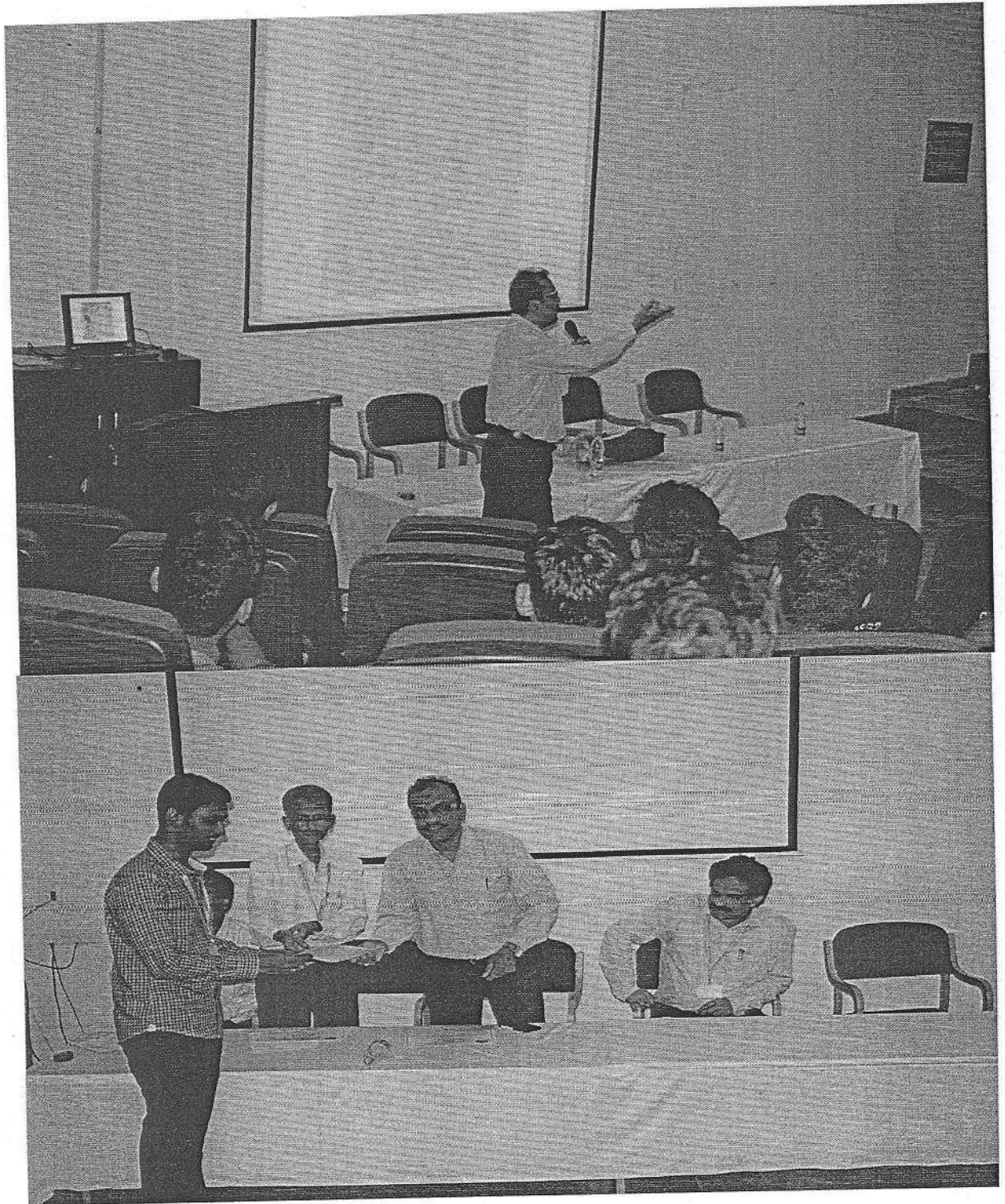


Felicitation to the senior manager KSFC Bangalore by Principal Dr.MB Manjunath.



Felicitation to the Principal, Bapuji institute of Engineering and Technology, Davanagere by Prof. Shivalingappa S.Kubsad.





Certificate distribution to the students





Industrial visit at CIM Tools Pvt. Ltd Peenya Bangalore



## ENTREPRENEURSHIP DEVELOPMENT INSTITUTE OF INDIA

Near Village Bhat, Via Ahmedabad Airport & Indra Bridge, P.O. Bhat - 382 428, Dist. : Gandhinagar,  
Gujarat, India.  
Tel. : +91-79-23969153, 23969158, 23969159, 23969161  
E-mail : info@ediindia.org

Telefax : +91-79-23969164  
Website : www.ediindia.org

**Prakash Solanki**

Faculty & National Project Coordinator

EDII/DST-NIMAT/18-19/RLS-I/266  
Date: 10/08/2018

### SPEED POST

**Dr. M. S. Bhagyashekar**

Principal

**R. R. Institute of Technology**

Raja Reddy Layout

Near Chikkabanavara Railway Station, Chikkabanavara

**Bangalore - 560 090**

Karnataka

**Kind Attention: Dr. Amarnath G., Programme Coordinator**

Dear Sir,

**Sub: 1<sup>st</sup> Installment of Programme/s Sanctioned under DST-NIMAT Project 2018-19**

This is with reference to the Agreement signed between EDII and your organization for conducting programme(s) under DST-NIMAT Project 2018-19 to create techno-entrepreneurs and resource persons through Entrepreneurship Development Programme Agency.

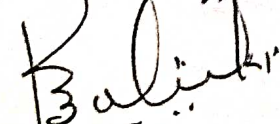
As per the Agreement, 80% of the sanctioned amount per programme is to be released before commencement of the programme(s). Accordingly, Rs. 16000/- has been credited in your bank account on 07/08/2018. The detailed brake-up of the total amount is as following:

Sr. No.	Programme / Activity	No. of Programme Sanctioned	1 <sup>st</sup> Installment per Programme (Rs.)	Total Amount of the Programme (Rs.)
1	EAC	1	16000/-	16000/-
			<b>Total</b>	<b>16000/-</b>

**You are requested to please send us the receipt for the same.**

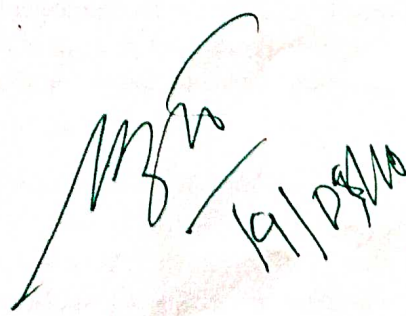
Thanking you, with regards

Yours sincerely,



Prakash Solanki

Encl.: 1) Copy of Agreement, 2) Copy of T & C





DST – NIMAT PROJECT 2018 – 19

Implemented by:  
Entrepreneurship Development Institute of India (EDII), Ahmedabad

Under the aegis of:  
The National Science & Technology Entrepreneurship Development Board, DST, Govt. of India

Agreement between EDII and Programme Implementing Agency (PIA)

Entrepreneurship Development Institute of India (henceforth referred to as EDII) having its Head Office at Village & P.O. Bhat 382 428, Dist. Gandhinagar (Gujarat) and

R. R. INSTITUTE OF TECHNOLOGY, RR. LAYOUT,  
CHIKKABANAVARA, BANGALORE - 560 090

[Name & address of the Programme Implementing Agency (PIA)] hereby enter into the following Agreement on 27-07-2018 (Date) at REIT, BANGALORE (Place).

R. R. INSTITUTE OF TECHNOLOGY, BANGALORE (Name of the PIA) has agreed to conduct 3-MY EAC(s) / — EDP(s) / — WEDP(s) / — TEDP(s) / — FDP(s). The programme (s)/ activity are to be conducted as per the terms and conditions enclosed.

General Guidelines

1. The grant being released should be exclusively spent on the specified purpose for which it has been sanctioned within stipulated time. Any unspent balance out of the amount sanctioned would be surrendered to EDII, Ahmedabad. Carry forward of unspent funds to the next financial year for utilisation for the same purpose may be considered only with the specific approval of the EDII, Ahmedabad.
2. The Programme Implementing Agency will furnish progress report of the work on the programme from time to time. In addition, appropriate persons may visit the Programme Implementing Agency periodically for ascertaining the progress of work and resolve any difficulties that might be encountered in the course of implementation. During the progress of the project, the PIA will provide all facilities to the Visiting Persons. On completion of the programme, consolidated report of the work done on the subject in a bond form shall be sent to EDII, Ahmedabad.
3. The Programme Implementing Agency shall furnish to EDII, Ahmedabad, Utilisation Certificates (copy enclosed) and an Audited Statement of Accounts pertaining to the grant within three months of completion of the programme / activity sanctioned.
4. The Programme Implementing Agency will maintain separate audited accounts for this project. If it is found expedient to keep a part or whole of the grant in a bank account earning interest, the interest earned should be reported to the EDII, Ahmedabad. The interest thus earned will be treated as a credit to the PIA to be adjusted towards further instalments of the grant, if any.
5. The Programme Implementing Agency will not entrust the implementation of the work for which the grant is being sanctioned in another organization and to divert the grant receipt as assistance to the latter institution. In case the PIA itself is not in a position to execute or complete the project, it would be required to refund the entire amount of grant-in-aid received by it to EDII, Ahmedabad.

[P.T.O.]





Now in witness whereof the parties to this present have here unto signed in this respective names and affixed their respective seal, the date and the year herein above written.

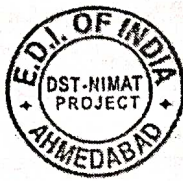
Signed, Sealed and Delivered by:

For [Signature]  
(Implementing Agency)  
PRINCIPAL

R. R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore-560 90.

For [Signature] (EDII) [Signature]

S. B. Sareen  
Project Director, DST-NIMAT



Place:

Date:

Witnesses:

1. Signature: [Signature]

(on the behalf of the Agency)  
Name & Address of the Witness:

Dr. Shivalingappa S. Kulsred  
Pror & HoD/ME  
RRIT

2. Signature: [Signature]

(on the behalf of EDII)  
Name & Address of the Witness:

Naveen. G  
Asst. Prof  
ME, Dept. RRIT

[Signature]  
Prakash Solanki  
Faculty & National Coordinator  
Entrepreneurship Development Institute of India



**TERMS AND CONDITIONS FOR CONDUCTING  
ENTREPRENEURSHIP AWARENESS CAMP (EAC)**

1. Each camp of three days duration to be conducted in the premises of the academic institution.
2. Each EAC should have minimum 75 students having S & T background i.e., S&T graduate/diploma holders, students of degree/diploma in Science & Technology.
3. Industrial visit to be organized as part of EAC.
4. Programme Implementing Agency may like to provide inputs as per the suggested schedule placed at EDII website (www.ediindia.org).
5. Reading/reference material to be provided to the participants and the same can be downloaded from EDII – website (www.ediindia.org).
6. Financial assistance will be made available to the PIA @ Rs. 20,000/- per EAC as per the budget break-up given below:

Sr. No.	Expenditure Head	Amount in Rs.
1	Manpower including honorarium to experts	5000.00
2	Travel & Factory visit	4500.00
3	Miscellaneous & Contingency	7500.00
4	Administrative overheads	3000.00
	<b>Total</b>	<b>20,000.00</b>

7. First installment i.e., 80% to be released on receipt of the duly signed Agreement, Terms & Condition along with the Action Plan (as per Annexure-I) and Bank detail (Annexure-I(A)).
8. Programme Completion Statement (PCS) (as per Annexure – II) should be submitted separately for each programme within one week after completion of programme.
9. Second and final installment i.e., 20% to be released on successful completion of EAC, submission of **Post Programme Report (PPR) (Soft Copy in Microsoft Word Format on CD & Hard Copy in Spiral Binding)** within one month after completion of each programme as per the proforma placed at EDII website; (www.ediindia.org), submission of statement of audited expenditure (as per Annexure-III) and utilization certificate (as per Annexure-IV).

Signature of Head of the Institute



# R. R. Institute of Technology

Affiliated to Visvesvaraya Technological University  
Approved by AICTE, New Delhi & Govt of Karnataka

Venue: R R INSTITUTE OF TECHNOLOGY

Date: 29/10/2018, to 31/10/2018

## Attendance for the ED awareness camp

SI NO	Name of the student	Sem	Dept	MORNING	AFTERNOON
1.	Hemalatha.C ✓	VII	CSE	Hema	Hema
2.	Mary Roopini.A ✓	VII	CSE	Roopini	Roopini
3.	Chandana.M.S ✓	VII	CSE	M.S	M.S
4.	Karthiks H.P	VII	CV	KH	KH
5.	AJAY.R. YALLAPUR ✓	VII	CV	Ajay	Ajay
6.	KAVAN. M.P ✓	VII	CV	Kavan	Kavan
7.	SONAL S KURDEKAR ✓	VII	CV	Sonal	Sonal
8.	Dhanaraj P.T	VII	CV	Dhanaraj	Dhanaraj
9.	Maruthi.M	VII	CV	Maruthi	Maruthi
10.	Kishore H.N ✓	VII	CV	Kishore	Kishore
11.	NAVEEN.L ✓	VII	CV	Naveen	Naveen
12.	ANITE Y	VII	CV	Anite	Anite
13.	Prajwal.AK	VII	CV	Prajwal	Prajwal
14.	SYED ZABEE	VII	CV	Syed Zabee	Syed Zabee
15.	SAGAR. S.N	VII	CV	Sagar	Sagar
16.	Arpitha.S	VII	EEE	Arpitha	Arpitha



17.	MADHU KUMAR.V	VII	ME	<del>Madhu</del>	<del>Madhu</del>
18.	SHRIKANTH. A. PATIL	VII	ME.	<del>Shrikant</del>	<del>Shrikant</del>
19.	MAHESH. HUKKERI	VII	ME	<del>Maish</del>	<del>Maish</del>
20.	NAGESH.S	VII	ME	<del>Nagesh</del>	<del>N.A.</del>
21.	Rakshitha. G.N	VII	EEE	<del>Raksh</del>	<del>Raksh</del>
22.	Dipendra Mahato	VII	CSE	<del>Dipendra</del>	<del>Dipendra</del>
23.	Amit kumar	VII	CSE	<del>Amit</del>	<del>Amit</del>
24.	Prakash Rayamajhi	VII	CSE	<del>Prakash</del>	<del>Prakash</del>
25.	Binod sherpali	VII	ME	<del>Binod</del>	<del>Binod</del>
26.	Rupesh Timalsina	VII	CSE	<del>Rupesh</del>	<del>Rupesh</del>
27.	PRADIPPANATHI	VII	M.E	<del>Pradip</del>	<del>Pradip</del>
28.	Madhav paudel.	VII	CV	<del>Madhav</del>	<del>Madhav</del>
29.	GHANSHYAM TIWARI	VII	ME	<del>Ganesh</del>	<del>Ganesh</del>
30.	Chandra kishor mandal	VII	ME	<del>Chandra</del>	<del>Chandra</del>
31.	PRAKASH B.S.M	7 <sup>th</sup>	M.E	<del>Prakash</del>	<del>Prakash</del>
32.	RAKSHITH.L	7 <sup>th</sup>	ME ✓	<del>Rakshith</del>	<del>Rakshith</del>
33.	HARSHA B.S.	7 <sup>th</sup>	ME ✓	<del>Harsha</del>	<del>Harsha</del>
34.	DHANUSH. C	7 <sup>th</sup>	ME	<del>Dhanush</del>	<del>Dhanush</del>
35.	Milan Shakal.	7 <sup>th</sup>	ME ✓	<del>Milan</del>	<del>Milan</del>
36.	Veepuni Johnny R.H	7 <sup>th</sup>	ME	<del>Veepuni</del>	<del>Veepuni</del>
37.	TEJAS. G.V.	7 <sup>th</sup>	ME	<del>Tejas</del>	<del>Tejas</del>
38.	Rahul Kumar ✓	7 <sup>th</sup>	EEE	<del>Rahul</del>	<del>Rahul</del>
39.	Vannesh. B.M. ✓	7 <sup>th</sup>	EEE	<del>Vannesh</del>	<del>Vannesh</del>

40.	Md. Shamim Khan	VII <sup>th</sup>	EEE		
41.	Baba Bharati G. K	VII <sup>th</sup>	CSE		
42.	Nagaraj. T	7 <sup>th</sup>	CSE		
43.	Julius Daimary	VII <sup>th</sup>	CSE		
44.	Milan Shrestha	VII <sup>th</sup>	CSE		
45.	Vishnu. V.S	VII <sup>th</sup>	ME		
46.	SHARATH.S	VII <sup>th</sup>	ME		
47.	PRANAV.S	VII <sup>th</sup>	M.E		
48.	Vignesh. P	VII <sup>th</sup>	M.E		
49.	Sildev kumar Kay	VII <sup>th</sup>	CE		
50.	Kushal pathania	VII <sup>th</sup>	CE		
51.	Bhishal Gupta	VII <sup>th</sup>	CE		
52.	Indrajit kumar yadav	VII <sup>th</sup>	CI		
53.	Binit kumar shrivastav	"	CE		
54.	Tanaya Patra	VII	CSE		
55.	Draupada Sharma	7 <sup>th</sup>	CSE		
56.	Praveen Kumar K	7 <sup>th</sup>	ME		
57.	PINAK DAS	7 <sup>th</sup>	ME		
58.	Shubham kumar gupta	5 <sup>th</sup>	EEE		
59.	Koushik Das	5 <sup>th</sup>	EEE		
60.	Santosh kumar singh	5 <sup>th</sup>	EEE		
61.	Arvind SB	5 <sup>th</sup>	EEE		

63.	Supriya G	5 <sup>th</sup>	EEE	Supriya	Supriya
64.	Sneha S Gowda	5 <sup>th</sup>	EEE	<u>Sneha</u>	<u>Sneha</u>
65.	Chandana Shree-P	5 <sup>th</sup>	EEE	<u>chnd</u>	<u>chnd</u>
66.	Sandeep Chaudhary	5 <sup>th</sup>	EEE	<u>Sey</u>	<u>Sey</u>
67.	Vivek Singh	5 <sup>th</sup>	EEE	<u>Vivek</u>	<u>Vivek</u>
68.	Akshay Sawant, B	5 <sup>th</sup>	EEE	<u>Akshay</u>	<u>Akshay</u>
69.	Anil Kumar T	5 <sup>th</sup>	EEE	<u>Anil</u>	<u>Anil</u>
70.	Manoj K. Mondangi	5 <sup>th</sup>	EEE	<u>Manoj</u>	<u>Manoj</u>
71.					
72.					
73.					
74.					
75.					

 29/10/18  
Signature of the Convener



# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

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

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

### List of Projects Sanctioned Under Stream C

#### 85. R.R. INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_BE_1336	ANTI PIRACY SCREENING SYSTEM: MOVIE PIRACY TRACKING USING TEMPORAL VISUAL MODULATION	ELECTRONICS AND COMMUNICATION ENGINEERING	BE	Prof. MOHAN KUMAR B N	Ms. BRUNDA N	7000.00
2.	42S_BE_1340	DESIGN FABRICATION AND ANALYSIS OF PNEUMATIC OCEAN WAVE ENERGY CONVERTOR-2	MECHANICAL ENGINEERING	BE	Dr. SHIVALINGAPPA S KUBSAD	Mr. RAJESH N	9000.00
3.	42S_BE_3008	REDUCTION OF CARBON AND ECONOMIC TREATMENT OF ETTRINGITE FORMATIO	CIVIL ENGINEERING	BE	Mrs. GUNASHEELA P	Mr. BHASKAR R	9000.00

#### Note:

1. The sanctioned amount will be sent by KSCST to the College by crossed Cheque in the name of the Principal.
2. The evaluation of above projects will be conducted in the Nodal Centre in the month of May / June 2019. During nodal centre evaluation projects will be selected for state level Seminar & Exhibition which will be conducted in the month of July / August 2019.
3. After completion of the projects, the hard copy of the report and soft in .pdf format needs to be sent to KSCST without fail.



# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

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

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

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

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
R.R. Institute of Technology,  
Raja Reddy Layout, Chikkabanavara,  
Hesaraghatta Main Road,  
Bengaluru - 560 090.

*meel Dept*  
*9/04/19*

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : 42S\_BE\_1340

Ref : Your Project Proposal entitled " **DESIGN FABRICATION AND ANALYSIS OF PNEUMATIC OCEAN WAVE ENERGY CONVERTOR-2**

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

Student / s	Mr. Rajesh N and others	Budget	Amount (Rs)
Guide/s	Dr. Shivalingappa S Kubsad	Materials/Consumables	7,000.00
		Labor	500.00
Department	Mechanical Engineering	Travel	500.00
		Miscellaneous	500.00
		Report	500.00
		<b>TOTAL</b>	<b>9,000.00</b>
<b>NINE THOUSAND RUPEES ONLY</b>			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



- 6) Introduction / background  
(with specific reference to the project, work done earlier, etc) - about 20 lines
- 6) Objectives (about 10 lines)
- 7) Methodology (about 20 lines)  
(materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions  
(about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

- e) Projects selected for Seminar / Exhibition will be awarded.

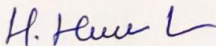
The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

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

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Mechanical Engineering  
R.R. Institute Of Technology,  
Raja Reddy Layout, Chikkabanavara,  
Hesaraghatta Main Road,  
Bengaluru - 560 090.
- 2) Dr. Shivalingappa S Kubsad  
Department of Mechanical Engineering  
R.R. Institute Of Technology,  
Raja Reddy Layout, Chikkabanavara,  
Hesaraghatta Main Road,  
Bengaluru - 560 090.
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above





# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

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

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

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

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
R.R. Institute of Technology,  
Raja Reddy Layout, Chikkabanavara,  
Hesaraghatta Main Road,  
Bengaluru - 560 090.

*ECB/Dek*  
*M. H. Hemanth Kumar*

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : 42S\_BE\_1336

Ref : Your Project Proposal entitled " **ANTI PIRACY SCREENING SYSTEM: MOVIE PIRACY TRACKING USING TEMPORAL VISUAL MODULATION**

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

Student / s	Ms. Brunda N and others	Budget	Amount (Rs)
		Materials/Consumables	6,000.00
Guide/s	Prof. Mohan Kumar B N	Labor	-
		Travel	500.00
Department	Electronics And Communication Engineering	Miscellaneous	-
		Report	500.00
		<b>TOTAL</b>	<b>7,000.00</b>
<b>SEVEN THOUSAND RUPEES ONLY</b>			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords





Karnataka State Council for Science and Technology  
Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840  
Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Mr. H. Hemanth Kumar  
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
R.R. Institute of Technology,  
Raja Reddy Layout, Chikkabanavara,  
Hesaraghatta Main Road,  
Bengaluru - 560 090.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019  
Your Project Proposal Reference No. : 42S\_BE\_3008

Ref : Your Project Proposal entitled " **REDUCTION OF CARBON AND ECONOMIC TREATMENT OF ETTRINGITE FORMATIO**

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

Student / s	Mr. Bhaskar R and others	Budget	Amount (Rs)
		Materials/Consumables	7,000.00
Guide/s	Mrs. Gunasheela P	Labor	500.00
		Travel	500.00
Department	Civil Engineering	Miscellaneous	500.00
		Report	500.00
		<b>TOTAL</b>	<b>9,000.00</b>
<b>NINE THOUSAND RUPEES ONLY</b>			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



6) Introduction / Background

425\_BE\_3008

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

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

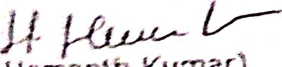
The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.

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

Thanking you and with best regards,

Yours sincerely,

  
(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of Civil Engineering  
R.R. Institute Of Technology,  
Raja Reddy Layout, Chikkabanavara,  
Hesaraghatta Main Road,  
Bengaluru - 560 090.
- 2) Mrs. Gunasheela P  
Department of Civil Engineering  
R.R. Institute Of Technology,  
Raja Reddy Layout, Chikkabanavara,  
Hesaraghatta Main Road,  
Bengaluru - 560 090.
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above





# Visvesvaraya Technological University

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

Dr. Satish Annigere  
Registrar (I/c)

Phone: (0831) 2405468  
Fax: (0831) 2405467

Ref: VTU/Aca./A-4/2019-20/2465/m

Date: 11 JUL 2019

To,  
The Principal,  
R R Institute of Technology,  
Bengaluru.

SPEED POST

Sir,

Sub: Sanction of Financial Assistance for 2018-19 to the selected projects of UG student's reg ....

Ref: No.VTU/BGM/Aca.OS/Gen-Cir/2018-19/10716,dt. 02.03.2019

With reference to the above subject, please find herewith a D.D Bearing No 640610 dated 04.07.2019 of Rs. 60,000/- towards the sanction of Financial Assistance to the selected projects of UG students.

Kindly acknowledge the receipt of the same.

Encl: as above.

Yours faithfully,

Registrar (I/c)

25/7/19

To The Management  
Forwarded  
25/7/19

Spec list  
Attach list of  
the student/branch  
project  
www

Disburse as per list to project guide

भारतीय स्टेट बैंक  
 State Bank of India  
 Issuing Branch: VTU CAMPUS MATCHE  
 प्लॉट नं. / CODE No: 40649  
 Tel No. 0831-2412300

बैंकर्स चेक  
**BANKERS CHEQUE**

Key: TILHUR  
 Sr. No: 300697

04072019  
 D D M M Y Y Y

PAY Principal, R R Institute of Technology\*\*\*\*\*

को या उनके आदेश पर

रुपये RUPEES Sixty Thousand Only

OR ORDER

अदा करें ₹ 60000.00

101 000473640610  
 Name of Applicant

Key: TILHUR  
 FOVTU

Sr. No: 300697

AMOUNT BELOW 60001(6/5)

कुछे भारतीय स्टेट बैंक  
 For STATE BANK OF INDIA

अहस्तांतरणीय / NOT TRANSFERABLE

आधिकृत हस्ताक्षर  
 AUTHORIZED SIGNATORY

शाखा प्रबंधक  
 BRANCH MANAGER

कंप्यूटर द्वारा मुद्रित होने पर ही वैध  
 VALID ONLY IF COMPUTER PRINTED

केवल 3 महीने के लिए वैध  
 VALID FOR 3 MONTHS ONLY

₹ 1,00,000- से अधिक के निशुल्क दो अधिकारियों द्वारा हस्ताक्षरित होने पर ही वैध है।  
 INSTRUMENTS FOR ₹ 1,00,000- & ABOVE ARE NOT VALID UNLESS SIGNED BY TWO OFFICERS

⑈640610⑈ 000002000⑈ 000473⑈ 16



PKM Educational Trust ®

# R. R. Institute of Technology

Affiliated to VTU Belgaum and Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka

Accredited by NAAC with 'B+'

Raja Reddy Layout, Chikkabanavara, Bengaluru – 560 090

Department of Electronics and Communication & Engineering

Ref: RRIT /ECE/PRSM/2018-19

Date: 22-03-2019

As per the circular Ref: VTU/BGM/Aca - OS/ Gen-Cir/2018-19/10716, Please find the below listed final year projects of the department of Electronics and Communication Engineering for the kind consideration towards the "Financial Assistance for Innovative Projects of Final Year under Graduate Students for the year 2018-19".

Sl.No	Branch	USN	Name of the Student	Title of the project	Name of the Guide	Remarks
1	ECE	1RI15EC010	Brunda N	Anti Piracy Screening System : Movie Piracy Tracking using Temporal Visual Modulation	Prof. B N Mohan Kumar	
2		1RI15EC013	D Sruthi Reddy			
3		1RI15EC023	Madhu J			
4		1RI15EC046	Surendra S P			
1	ECE	1RI14EC040	Pavithra N	Soldier Position Tracking and Health Monitoring System	Prof . Premsagar H	
2		1RI15EC024	Manu M			
3		1RI15EC031	Priya B C			

Dr.Manjanatha MB – Chairman ,Principal


Committee Members : 1. Dr. Sunitha HD – Associate Prof & HOD

2. Prof. Parimala Gandhi G - Associate Prof

3. B N Mohan Kumar – Assistant Prof

4. Chandrakumar HS- Assistant Prof

  
Signature of HOD  
HOD of Electronics & Communication  
R.R. Institute of Technology  
Hesaraghatta Main Road,  
Chikkabanavara, Bengaluru - 560 090

  
Signature of Principal  
PRINCIPAL  
R.R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore-560 90





# R. R. Institute of Technology

Affiliated to VTU Belgaum and Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka  
Accredited by NAAC with Grade 'B+'  
Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

**Electrical and Electronics Engineering Dept.**

Ref: RRIIT/EEE/PRSM/2018-19

Date: 22/03/2019

With reference to the circular Ref: VTU/BGM/Aca-OS/Gen-Cir/2018-19/10716 dated 2<sup>nd</sup> March 2019, the following list gives the students name, Title of the project and Guide details for the "Financial Assistance for Innovative Projects of Final Year Under Graduate Students For the year 2018-19".

S.NO	BRANCH	TITLE OF THE PROJECT	NAME OF STUDENT	NAME OF GUIDE	REMARKS
1.	EEE	ELECTRICITY COST REDUCING BY ENERGY MANAGEMENT	ARPITHA S (1RI15EE001) RAKSHITHA G N (1RI15EE006)	Prof. Renukamba J N	
2.		TRANSMISSION LINE FAULT MONITORING AND IDENTIFICATION SYSTEM BY USING INTERNET OF THINGS	BABUGOUDA R J (1RI15EE002) B M VANNESH (1RI15EE007) M.D.SHAMIM KHAN 1RI16EE407)	Prof. R Navaneetha Krishna	

*[Signature]*  
**HOD-EEE**  
 HOD OF ELECTRICAL & ELECTRONICS ENG  
 R.R. Institute of Technology  
 Hesaraghatta Main Road  
 Chikkabanavara Bangalore-90

*[Signature]*  
**Principal**  
 PRINCIPAL  
 R. R. INSTITUTE OF TECHNOLOGY  
 Chikkabanavara, Bangalore-560 90



# R. R. Institute of Technology

Affiliated to VTU Belgaum and Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka  
Accredited by NAAC with 'B+'

Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Computer science & Engineering

Date: 23/03/2019

Ref:VTU/BGM/Aca-OS/Gen-Cir/2018-19/10716

## Financial Assistance for Innovative Projects of Final Year UG Students for the year 2018-19

Sl.No	Branch		Title of the project	Names of the student	Name of Guide	Remarks
1	CSE	1	"A Profile Based Big data Architecture in Agricultural Context"	Bindu S (IR115CS012) Hari Kireeti B K (IR115CS020) Irfan Pasha (IR115CS023) Kavya R (IR115CS025)	Dr.Manjunath R	
		2	"IOT Based Smart Irrigation System"	Prerana D (IR115CS077) Vasuki E M (IR115CS079) Prathibha Mallappa Alakanur(IR116CS405)	Mr.Dhananjaya M K	

23/3/19  
PRINCIPAL

R. R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bengaluru - 560 090

23/3/19  
Department of Computer Science  
R. R. Institute of Technology  
Hesaraghatta Main Road,  
Chikkabanavara, Bengaluru - 560 090

Page 93 of 97



PKM Educational Trust

# R. R. Institute of Technology

Affiliated to VTU Belgaum and Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka, Accredited by NAAC with 'B+'  
Raja Reddy Layout, Chikkabanavara, Bengaluru - 560 090

Department of Mechanical Engineering

Ref: RRIT/ME/PRSM/2018-19

Date: 22/03/2019

## PROCEEDINGS OF THE PROJECT SELECTION COMMITTEE

With reference to the circular Ref: VTU/BGM/Aca-OS/Gen-Cir/2018-19/10716 dated 2<sup>nd</sup> March 2019, the project selection committee of Mechanical Department conducted a meeting and evaluated all the projects and selected two (2) most deserving projects. The lists of the selected projects are in the table below for **Financial Assistance for Innovative Projects of Final Year under Graduate Students For the year 2018-19.**

Sl. No	Branch	Title of the Project		Names of Student	Name of Guide	Remarks
1	MECHANICAL ENGINEERING	Design, fabrication and analysis of Pneumatic ocean waves energy convertor	1	Mr. Rajesh N	Dr. Amarnath G	
			2	Mr. Darshan K V		
			3	Mr. Gagan J		
			4	Mr. Yathish K J		
2	MECHANICAL ENGINEERING	Performance Test on Four Stroke Petrol / Diesel Engine by the Fuel Produced from Waste Plastics	1	Mr. Rakshith L	Prof. Nagesh Kumar R	
			2	Mr. Harsha B		
			3	Mr. Hemanth P R		
			4	Mr. Dhanush G		

- i) Principal – Dr. M B Manjunath – Chairman
- ii) HOD – Dr. Channabasavaraj S – Member
- iii) Three Subject Experts:
- (a) Dr. Amarnath G
- (b) Dr. Arulmani L
- (c) Prof. Naveen G

HOD-ME

HOD of Mechanical Engineering,  
R. R. Institute of Technology,  
Mazharaghatta Main Road,  
Chikkabanavara, Bengaluru - 560 090

Principal

PRINCIPAL

R. R. INSTITUTE OF TECHNOLOGY  
Chikkabanavara, Bangalore-560 90





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Information Science and Engineering

Ref: RRIT/ISE/PRSM/2018-19

Date: 22/03/2019

## PROCEEDINGS OF THE PROJECT SELECTION COMMITTEE

With reference to the circular Ref: VTU/BGM/Aca-OS/Gen-Cir/2018-19/10716 dated 2<sup>nd</sup> March 2019, the project selection committee of ISE Department conducted a meeting and evaluated all the projects and selected two (2) most deserving projects. The lists of the selected projects are in the table below for **Financial Assistance for Innovative Projects of Final Year Under Graduate Students For the year 2018-19.**

Sl. No.	Branch	Title of the Project	Name of the Student	Name of Guide	Remarks
1	ISE	ASSESSING CROP RESIDUE COVER BY PREDICTING ENVIRONMENTAL LEVELS/ FACTORS	1. Divya B N [1RI14IS009] 2. Suma V [1RI14IS026] 3. Aishwarya R [1RI15IS003]	Prof. Vinod .L .B	
2	ISE	OBSTACLES AVOIDING ROBOT USING CONVOLUTION NEURAL NETWORKS	1. Bikendra Thapaliya [1RI15IS010] 2. Bibek Shah Shankar [1RI15IS009] 3. Sabin Bista [1RI15IS028]	Prof. Arpitha Martin	

1. Principal - Dr. M B Manjunath - Chairman
2. HOD - Prof. Emmanuel Rajarathnam - Member
3. Committee Members
  - i. Prof. Ganesha M
  - ii. Prof. Vani Sapthasagar
  - iii. Prof. Swetha K B

HOD-ISE

Information Science Engineering  
**R. R. Institute of Technology**  
Heeraghatta Main Road,  
Chikkabanavara, Bangalore - 90

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Information Science and Engineering

Ref: RRIT/ISE/PRSM/2018-19

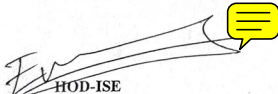
Date: 22/03/2019

## PROCEEDINGS OF THE PROJECT SELECTION COMMITTEE

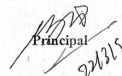
With reference to the circular Ref: VTU/BGM/Aca-OS/Gen-Cir/2018-19/10716 dated 2<sup>nd</sup> March 2019, the project selection committee of ISE Department conducted a meeting and evaluated all the projects and selected two (2) most deserving projects. The lists of the selected projects are in the table below for **Financial Assistance for Innovative Projects of Final Year Under Graduate Students For the year 2018-19.**

Sl. No.	Branch	Title of the Project	Name of the Student	Name of Guide	Remarks
1	ISE	ASSESSING CROP RESIDUE COVER BY PREDICTING ENVIRONMENTAL LEVELS/ FACTORS	1. Divya B N [1R114IS009] 2. Suma V [1R114IS026] 3. Aishwarya R [1R115IS003]	Prof. Vinod .L .B	
2	ISE	OBSTACLES AVOIDING ROBOT USING CONVOLUTION NEURAL NETWORKS	1. Bikendra Thapaliya [1R115IS010] 2. Bibek Shah Shankar [1R115IS009] 3. Sabin Bista [1R115IS028]	Prof. Arpitha Martin	

1. Principal - Dr. M B Manjunath - Chairman
2. HOD - Prof. Emmanuel Rajarathnam - Member
3. Committee Members
  - i. Prof. Ganesha M
  - ii. Prof. Vani Sapthasagar
  - iii. Prof. Swetha K B

  
HOD-ISE

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Raja Reddy Layout, Chikkabanavara, Bengaluru – 560 090

Department of Civil Engineering

Ref: RRIT/CV/PRSM/2018-2019

Date: 22/03/2019

With reference to the circular Ref: VTU/BGM/Aca-OS/Gen-Cir/2018-19/10716 dated 2<sup>nd</sup> March 2019, the project selection committee of Civil Department conducted a meeting and evaluated all the projects and selected two most deserving projects. The list of the selected projects is in the table below for Financial Assistance for Innovative Projects of Final Year Undergraduate Students for the Year 2018-19.

SL.No	Branch	Title of the project	Name of the students	Name of the guide	Remarks
1	Civil	Study on Volume and Quality Management of Bio Medical Waste	Dhanaraj P T (1RI16CV453) Keerthi B (1RI16CV454) Kushal Suresh Pathania (1RI16CV423) Sanjay D (1RI16CV438)	Gurubasavaraja S G	
2		Atmospheric Water Harvesting	Marouf Ahmad Khan (1RI15CV047) Jyoti Ojha (1RI15CV031) Thejaswini. U (1RI14CV080) Panpong Aboh (1RI15CV057)	Ranganathan B A	

1) Principal – Dr. Manjunath M B – Chairman

2) HOD - Dr. Sankara - Member

### Committee members

- i) Prof. Ravi Patil
- ii) Prof. Jagadeesh B N
- iii) Prof. Ranganathan B A