

3.1.3. Number of departments having Research projects funded by government and non-government agencies during the year (2021-2022):

Ans.: 5 Departments

INDEX

Sl. No.	Name of the Project / Endowments, Chairs	Name of the Principal Investigator / Co-investigator	Department of Principal Investigator	Year of Award	Name of the Funding Agency	Amount Sanctioned (Lakhs)	Type (Government / non-Government)	Page No.
1	VTU Young Researcher	Dr. Basavaraju.S and Dr. R G Deshpande	Mechanical Engineering	2022	Visvesvaraya Technological University	8	Government	3
2	Face detection and monitoring in Multiple surveillance footage using convolution neural networks	Dr. Gururaj Murtugudde	Computer Science and Engineering	2021	Karnataka State Council for Science and Technology - 45th Series - SPP	0.05	Government	5
3	Health monitoring system with smart medical kit for elderly people	Prof. Madhushree	Computer Science and Engineering	2021	Karnataka State Council for Science and Technology - 45th Series - SPP	0.06	Government	9
4	Pest detection and obliteration based robotic system	Prof. Madhushree	Computer Science and Engineering	2021	Karnataka State Council for Science and Technology - 45th Series - SPP	0.06	Government	11
5	ANDROID CONTROLLED WILDLIFE OBSERVATION ROBOT	Prof. PRATHIBHA P / Prof. AGALYA P	Electronics and Communication Engineering	2022	Karnataka State Council for Science and Technology - 45th Series - SPP	0.06	Government	12
6	INTELLIGENT PACKAGING SOLUTION	Prof. SHOBHA HUGAR / Dr. PRAKASH JADHAV	Electronics and Communication Engineering	2022	Karnataka State Council for Science and Technology - 45th Series - SPP	0.06	Government	14
7	SOLAR FLOOR CLEANER	Ms. VEENA N / Dr. PRAKASH JADHAV	Electronics and Communication Engineering	2022	Karnataka State Council for Science and Technology - 45th Series - SPP	0.06	Government	16

Sl. No.	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator / Co-investigator	Department of Principal Investigator	Year of Award	Name of the Funding Agency	Amount Sanctioned (Lakhs)	Type (Government / non-Government)	Page No.
8	COST EFFECTIVE SMART VENTILATOR SYSTEM	Prof. Jhansi K / Dr. Rekha S N	Electrical and Electronics Engineering	2021	Karnataka State Council for Science and Technology - 45th Series - SPP	0.07	Government	18
9	Crop yield prediction model	Dr. H R Ranganatha	Information Science & Engineering	2021-2022	Karnataka State Council for Science and Technology - 45th Series - SPP	0.045	Government	20
10	Anti Roit Shield with Pepper Spray and Blinding LED	Dr. R G Deshpande	Mechanical Engineering	2022	Karnataka State Council for Science and Technology - 45th Series - SPP	0.06	Government	22



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

("ವಿ ಎ ಯು ಟಿ" ಅಥವಾ "ವಿ ಎ ಯು ಟಿ" ರ ಅಧೀನದಲ್ಲಿ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)
'ಜ್ಞಾನ ಸಂಗಮ', ಬೆಳಗಾವಿ - ೫೯೦ ೦೧೮ ಕರ್ನಾಟಕ ರಾಜ್ಯ

Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the VTU Act, 1994)
"Jnana Sangama", Belagavi-590 018, Karnataka State, India

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

REGISTRAR

Ref: VTU/BGM/Aca/A-12/ VTU RGS/DIS -ME/2021-22/5862/13

Phone : (0831) 2498100

Fax : (0831) 2405467

Date 8 FEB 2022

To,
The Principal,
Sapthagiri College of Engineering,
Bengaluru

Sub: Grants for Research Proposal for the year 2021-22
Ref: 1. VTU/Aca./2021-22/ PS/2019-20/9707, dated 18-03-2020.
2. Hon'ble Vice-Chancellor's approval dt: 11-02-2022

At the outset please accept our congratulations and greetings.

We are pleased to inform you that, the grant of **Rs. 8.00 Lakhs (Rupees Eight Lakh only)** is sanctioned to the research proposal entitled as "Performance Evaluation of Cryogenically Treated Cemented Carbide Cutting Tool Insetrs in Machining Inconel." submitted by **Dr.Basavaraju S. (PI) and Dr.R.G.Deshpande (COI)** under VTU Research Grants Scheme -2021.

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

Expenditure Particulars		First Year (Rs. in Lakhs)	Second Year (Rs. in Lakhs)	Total (Rs. in Lakhs)
Non - Recurring	Fellowship for Research Scholar	1.44	1.44	2.88
	Equipments/Software/Instruments (Purchase of Desktops/Laptops are not permitted)	3.00	1.00	4.00
Recurring	Consumables (Glass wares/Chemicals)	0.50	0.25	0.75
	Others (Expenditure towards/ testing / consultancy / publications of research work in terms IPR Registrations (not for paper publications in journals) / TA - DA to present a paper in conferences or workshop or symposia in India .	0.25	0.12	0.37
Total (Rs. in Lakhs)		5.19	2.18	8.00
VTU Contribution (75% of the Sanctioned Amount) This amount will be released after receiving the acceptance letter and compliance of Point Number 10,11 & 12 mentioned in "Terms and Conditions"		3.893	2.108	6.00
Institute Contribution (25% of the Sanctioned Amount) Please Refer Point Number 10,11 & 12 in the "Terms and Conditions" and comply accordingly		1.298	0.703	2.00

Principal

Sapthagiri College of Engineering
14/5, Chikkasandra, Hosuraghatta Main Road
Bengaluru - 560 057

Prof. Basavaraju S. & Dr. Raghavendra Deshpande

Applicable Terms and Conditions:


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

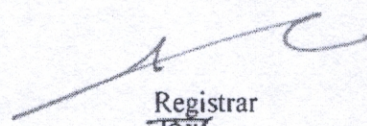
Thanking you,

Yours faithfully,

Encl:

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


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Heeraghatta Main Road
Bengaluru - 560 057


Registrar
10/11



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,
Sapthagiri College of Engineering,
#14/5, Chickasandra,
Hesaraghatta Main Road,
Bengaluru – 560 057

Dear Sir/Madam,

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

Project Proposal Reference No. : 45S_BE_3469

Ref : Project Proposal entitled

**FACE DETECTION AND MONITORING IN MULTIPLE
SURVEILLANCE FOOTAGE USING CONVOLUTIONAL NEURAL
NETWORK (CNN)**

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)	Mr. HARSH P KAVATEKAR	Department	COMPUTER SCIENCE AND ENGINEERING
	Mr. ADITYA SHARMA R		
	Mr. ARUNA KUMAR		
Guide(s)	Dr. GURURAJ MURTUGUDDE	Sanctioned Amount (in Rs.)	5,000.00

Instructions:

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

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

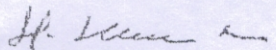
Students have
successfully completed the project
and submitted the report along with CD
30/7/22

- 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

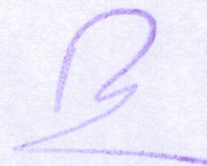
Thanking you and with best regards,

Yours sincerely,


(H. Hemanth Kumar)

Copy to:

- 1) The HoD
COMPUTER SCIENCE AND ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU
- 2) Dr. GURURAJ MURTUGUDDE
COMPUTER SCIENCE AND ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012
Telephone: 080-23341652, 23348848, 23348849 | E-mail: office.kscst@iisc.ac.in | Website: www.kscst.org.in



Certificate

This is to certify that
Mr. ARUNA KUMAR

Mr. HARSH P KAVATEKAR, Mr. ADITYA SHARMA R and

students of

SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU

participated in the 45th Series of (2021-22) Student Project Programme (SPP)
FACE DETECTION AND MONITORING IN MULTIPLE
and completed the project titled
SURVEILLANCE FOOTAGE USING CONVOLUTIONAL NEURAL NETWORK (CNN)


under

Dr. GURURAJ MURTUGUDDE

This project was adjudged as

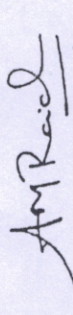
"Best Project of the Year" during the Seminar and Exhibition held at Visvesvaraya Technological University
(VTU), Belagavi on 12th and 13th August 2022.

This program is supported by Department of Science and Technology, Government of Karnataka and
Department of Science and Technology, Government of India.


(H. Hemanth Kumar)
Executive Secretary
KSCST



Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesara Chatti, Main Road
Bengaluru - 560


(Prof. Ashok M. Raichur)
Secretary, KSCST and
Professor, Department of Materials Engineering, IISc



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

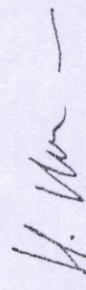
Telephone: 080-23341652, 23348848, 23348849 | E-mail: office.kscst@iisc.ac.in | Website: www.kscst.org.in



Certificate

This is to certify that Mr. HARSH P KAVATEKAR, Mr. ADITYA SHARMA R & Mr. ARUNA KUMAR students of SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU participated in the 45th Series of Student Project Programme (SPP) held during 12-13th August, 2022 at Visvesvaraya Technological University (VTU), Belagavi. Their project titled FACE DETECTION AND MONITORING IN MULTIPLE SURVEILLANCE FOOTAGE USING CONVOLUTIONAL NEURAL NETWORK (CNN) under the guidance of Dr. GURURAJ MURTUGUDDE, was selected for the Seminar/Exhibition.

The SPP is supported by Department of Science and Technology, Government of Karnataka and Department of Science and Technology, Government of India.


(H. Hemanth Kumar)
Executive Secretary
KSCST


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hosur, Karnataka - 560 093
2018-19-2019-20
2019-20-2020-21
2020-21-2021-22
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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,
Sapthagiri College of Engineering,
#14/5, Chickasandra,
Hesaraghatta Main Road,
Bengaluru – 560 057

Dear Sir/Madam,

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

Project Proposal Reference No. : 45S_BE_3854

Ref : Project Proposal entitled

HEALTH MONITORING WITH SMART MEDICINE KIT FOR ELDERLY PEOPLE

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

Student(s)	Ms. ARPITHA H K	Department	COMPUTER SCIENCE AND ENGINEERING
	Ms. BHOOMIKA S		
	Mr. DEEPAK B K		
	Mr. KIRAN KUMAR H M		
Guide(s)	Mrs. MADHUSHREE	Sanctioned Amount (in Rs.)	6,000.00

Instructions:

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

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

Students have
successfully completed the
project and submitted the report
along with CP

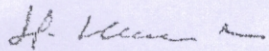
[Signature]
30/7/22

- 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

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The HoD
COMPUTER SCIENCE AND ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU
- 2) Ms. MADHUSHREE
COMPUTER SCIENCE AND ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU



Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesarghatta Main Road
Bengaluru - 560 057



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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

11th May, 2022

Ref: 7.1.01/SPP/91

The Principal,
Sapthagiri College of Engineering,
#14/5, Chickasandra,
Hesaraghatta Main Road,
Bengaluru – 560 057

Dear Sir/Madam,

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

Project Proposal Reference No. : 45S_BE_4478

Ref : Project Proposal entitled

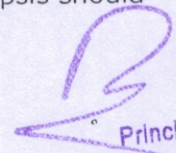
PEST DETECTION AND OBLITERATION BASED ROBOTIC SYSTEM

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

Student(s)	Ms. VARSHA H G	Department	COMPUTER SCIENCE AND ENGINEERING
	Mr. SHIVAKUMAR R E		
	Mr. YUVARAJ N R		
	Ms. NEETU RAO		
Guide(s)	Ms. MADHUSHREE	Sanctioned Amount (in Rs.)	6,000.00

Instructions:

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


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta
Bengaluru - 560 057

Student have
Completed the project &
Submitted the report along
with CD
30/5/22



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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,
Sapthagiri College of Engineering,
#14/5, Chickasandra,
Hesaraghatta Main Road,
Bengaluru – 560 057

Dear Sir/Madam,

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

Project Proposal Reference No. : 45S_BE_2917

Ref : Project Proposal entitled **ANDROID CONTROLLED WILDLIFE OBSERVATION ROBOT**

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)	Mr. RAKSHITH D	Department	ELECTRONICS AND COMMUNICATION ENGINEERING
	Mr. NIKHIL M KUMAR		
	Mr. SHASHANK S		
Guide(s)	Prof. PRATHIBHA P	Sanctioned Amount (in Rs.)	6,000.00
	Prof. AGALYA P		

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)

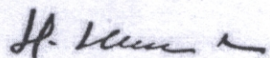
(Signature)
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

- 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 incompetet projects, the sanctioned amount shall be returned to KSCST.
 - f) The sanctioned amount will be transferred by NEFT to the bank account provided by the College/Institute.
 - g) The sponsored projects evaluation will be held in the Nodal Centre/Online Mode and the details of the same will be intimated shortly by email / Website announcement.
 - h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and studetn(s) shall be uploaded in the following Google Forms Link <https://forms.gle/PciAaAVisn6bn8AM7>. The report should be prepared in the format prescribed by the university.

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

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The HoD
ELECTRONICS AND COMMUNICATION ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU
- 2) Prof. PRATHIBHA P Prof. AGALYA P
ELECTRONICS AND COMMUNICATION ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU



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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

11th May, 2022

Ref: 7.1.01/SPP/91

The Principal,
Sapthagiri College of Engineering,
#14/5, Chickasandra,
Hesaraghatta Main Road,
Bengaluru – 560 057

Dear Sir/Madam,

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

Project Proposal Reference No. : 45S_BE_3534


Ref : Project Proposal entitled **INTELLIGENT PACKAGING SOLUTION**

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)	Mr. NITISH R	Department	ELECTRONICS AND COMMUNICATION ENGINEERING
	Mr. HARSHA R L		
	Mr. PAVANKUMAR G V		
	Mr. UJWAL S		
Guide(s)	Prof. SHOBHA HUGAR	Sanctioned Amount (in Rs.)	6,000.00
	Dr. PRAKASH JADHAV		

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
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- Please quote your project reference number printed above in all your future correspondences.
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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)

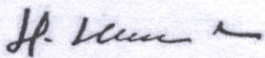

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

- 8) Methodology (about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
- 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
- 10) Scope for future work (about 20 lines).
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Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The HoD
ELECTRONICS AND COMMUNICATION ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU
- 2) Prof. SHOBHA HUGAR Dr. PRAKASH JADHAV
ELECTRONICS AND COMMUNICATION ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING, 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,
Sapthagiri College of Engineering,
#14/5, Chickasandra,
Hesaraghatta Main Road,
Bengaluru – 560 057

Dear Sir/Madam,

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

Project Proposal Reference No. : 45S_BE_4474


Ref : Project Proposal entitled **SOLAR FLOOR CLEANER**

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

Student(s)	Ms. NIHARIKA R H	Department	ELECTRONICS AND COMMUNICATION ENGINEERING
	Mr. RANBIR KUMAR SINGH		
	Mr. SHUBHAM KUMAR		
	Ms. SPOORTHY M		
Guide(s)	Ms. VEENA N	Sanctioned Amount (in Rs.)	6,000.00
	Mr. PRAKASH JADHAV		

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
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- Please quote your project reference number printed above in all your future correspondences.
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 - 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)

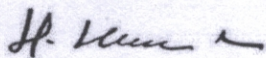

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

- 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/PciAaAVisn6bn8AM7>. The report should be prepared in the format prescribed by the university.

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

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The HoD
ELECTRONICS AND COMMUNICATION ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU
- 2) Ms. VEENA N Mr. PRAKASH JADHAV
ELECTRONICS AND COMMUNICATION ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING, 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,
Sapthagiri College of Engineering,
#14/5, Chickasandra,
Hesaraghatta Main Road,
Bengaluru – 560 057

Dear Sir/Madam,

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

Project Proposal Reference No. : 45S_BE_3305

Ref : Project Proposal entitled **COST EFFECTIVE SMART VENTILATOR SYSTEM**

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:

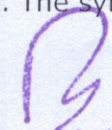
Student(s)	Mr. BALAJI A	Department	ELECTRICAL AND ELECTRONICS ENGINEERING
	Mr. BHARATH B R		
	Mr CHARAN O		
	Mr. KIRAN S		
Guide(s)	Mrs. JHANSI K	Sanctioned Amount (in Rs.)	7,000.00

Comments / Suggestions of the Experts

The breathing of the patient is to be sync with the machine. Bring out the practical model.

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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 - Name of the College & Department

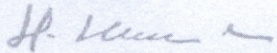

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru - 560 057

- 4) Name of the students & Guide(s)
 - 5) Keywords
 - 6) Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
 - 7) Objectives (about 10 lines)
 - 8) Methodology (about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
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 - 10) Scope for future work (about 20 lines).
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- h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and 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

Thanking you and with best regards,

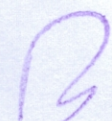
Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The HoD
ELECTRICAL AND ELECTRONICS ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU
- 2) Mrs. JHANSI K
ELECTRICAL AND ELECTRONICS ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU



Principal
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Mr. H. Hemanth Kumar

Executive Secretary

11th May, 2022

Ref: 7.1.01/SPP/91

The Principal,
Sapthagiri College of Engineering,
#14/5, Chickasandra,
Hesaraghatta Main Road,
Bengaluru – 560 057

Dear Sir/Madam,

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

Project Proposal Reference No. : 45S_BE_4551

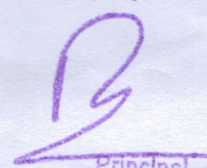
Ref : Project Proposal entitled **CROP YIELD PREDICTION MODEL**

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

Student(s)	Ms. SRI VARSHNI K S	Department	INFORMATION SCIENCE AND ENGINEERING
	Ms. SOWMYA C		
	Ms. SWETHA S		
	Mr. TEJESH B S		
Guide(s)	Dr. H R RANGANATHA	Sanctioned Amount (in Rs.)	4,500.00

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
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 - Keywords
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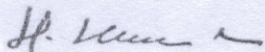
45S_BE_4551

- 8) Methodology (about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
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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
INFORMATION SCIENCE AND ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU
- 2) Dr. H R RANGANATHA
INFORMATION SCIENCE AND ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU



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Mr. H. Hemanth Kumar
Executive Secretary

Ref: 7.1.01/SPP/91

11th May, 2022

The Principal,
Sapthagiri College of Engineering,
#14/5, Chickasandra,
Hesaraghatta Main Road,
Bengaluru – 560 057

Dear Sir/Madam,

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

Project Proposal Reference No. : 45S_BE_3390

Ref : Project Proposal entitled **ANTI ROIT SHIELD WITH PEPPER SPRAY AND BLINDING LED**

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)	Mr. P K SASIDHAR	Department	MECHANICAL ENGINEERING
	Mr. PRAJWAL R		
	Mr. THILAKRAJU V		
	Ms. ASHA N		
Guide(s)	Dr. R.G.DESHPANDE	Sanctioned Amount (in Rs.)	6,000.00

Instructions:

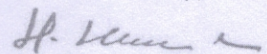
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Yours sincerely,



(H. Hemanth Kumar)

Copy to:

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MECHANICAL ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU
- 2) Dr. R.G.DESHPANDE
MECHANICAL ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU