



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

Dear Sir/Madam,

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

Your Project Proposal Reference No. : **42S\_BE\_3333**

Ref : Your Project Proposal entitled " **ANTI-KRAIT VENOM ACTIVITY OF FOLK MEDICINAL PLANTS**

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. Sahana N M and others	Budget	Amount (Rs)
		Materials/Consumables	5,000.00
Guide/s	Dr. Veena S More	Labor	-
		Travel	500.00
Department	Biotechnology	Miscellaneous	500.00
		Report	500.00
		<b>TOTAL</b>	<b>6,500.00</b>
<b>SIX 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

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

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



## DECLARATION

(From Project Students)

We, the project team hereby declare that the details enclosed in the project proposal are true and correct to the best of our knowledge and belief and we undertake to inform KSCST of any changes therein in the project tile, students name will be intimated immediately. In case any of the above information is found to be false or untrue or misleading, we are aware that we may be held liable for it. We hereby authorize sharing of the project information with this project proposal with the Karnataka State Council for Science and Technology, Bangalore.

We are aware that the ..... project team has to exhibit / demonstrate the project in the nodal centre and interact regarding project with the experts and to exhibit the project in the State Level Seminar and Exhibition (if selected). If the student team fails to attend the evaluation in nodal centre or fails to attend the State Level Seminar and Exhibition, the supported project amount will be returned back to KSCST.

We also hereby, enclose the endorsement form to KSCST, Bengaluru.

### Name of the students

1. Harshitha G

2. Sahana N M

3. Sahana R

4. Sindhoora Rao B

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

### Signature with date

Harshitha G  
16/01/19

Sahana N M  
16/01/19

Sahana R  
16/01/19

Sindhoora  
16/01/19

## ENDORSEMENT

This is to certify that 1) Ms **SAHANA N M.**, 2) Ms. **HARSHITHA G**, 3) MS. **SAHANA R**, 4) Ms. **SINDHOORA ROA B**, are bonafide students of Department of BIOTECHNOLOGY, in the degree program of our Institution. If the project proposal submitted by these students under the 42<sup>nd</sup> Series of Student Project Programme is selected by KSCST, we will provide the requisite laboratory / Computer / infrastructure support in our college / Institution. Further we also take necessary steps to see that the project team will exhibit / demonstrate their project in the nodal centre and in the State Level Seminar and Exhibition (if selected). If the student team fails to send the completed project report or fails to attend the evaluation in nodal centre or fails to attend the State Level Seminar and Exhibition, the supported project amount will be returned back to KSCST.

Head of the Department  
 Dept. of Bio - Technology  
 Sapthagiri College of Engineering  
 No. 57/1, Chikkasandra  
 Hesaraghatta Main Road  
 Bangalore - 560 057

**Dr. VEENA S MORE**

(Name & Signature of  
 Project Guide with Seal)

Email id:

[veenasmore@gmail.com](mailto:veenasmore@gmail.com)

Contact No.:9480491608

Head of the Department  
 Dr. VEENA S MORE  
 Dept. of Bio - Technology  
 Sapthagiri College of Engineering  
 (Signature of HOD with Seal)  
 No. 57/1, Chikkasandra  
 Hesaraghatta Main Road  
 Bangalore - 57

Email id:

[hodbt@sapthagiri.edu.in](mailto:hodbt@sapthagiri.edu.in)

Contact No.:9480491608

**Dr. K L SHIVABASAPPA**

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

[principal@sapthagiri.edu.in](mailto:principal@sapthagiri.edu.in)

Contact No.:08028372800

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

जारी करने वाली शाखा भारतीय स्टेट बैंक  
Issuing Branch: PESARAKATTA ROAD BR, BANGALORE  
कोड नं. / CODE No: 10499  
Tel No. 090-25943291

बैंकर्स चेक  
BANKERS CHEQUE

Key: QUDCON  
Sr. No: 844280

1	4	0	1	2	0	1	9
D	D	M	M	Y	Y	Y	Y

PAY SECRETARY KSCST, BENGALURU - 12\*\*\*\*\*

क्रे या उनके आदेश पर

OR ORDER

रुपये RUPEES

One Thousand Only

अदा करें

₹

1000.00

IOI 000504142057  
Name of Applicant

Key: QUDCON Sr. No: 844280  
DR. VEENA SUNIL MORE

AMOUNT BELOW 1001(1/4)

कुते भारतीय स्टेट बैंक  
For STATE BANK OF INDIA

अहस्तांतरणीय / NOT TRANSFERABLE

प्राधिकृत हस्ताक्षरकर्ता  
AUTHORISED SIGNATORY

शाखा प्रबंधक  
BRANCH MANAGER

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

केवल 3 महीने के लिए वैध  
VALID FOR 3 MONTHS ONLY

₹ 1,50,000/- एवं अधिक के लिखत दो अधिकारियों द्वारा हस्ताक्षरित होने पर ही वैध है।  
INSTRUMENTS FOR ₹ 1,50,000/- & ABOVE ARE NOT VALID UNLESS SIGNED BY TWO OFFICERS

11 11 2057 0000020001 000504 16

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



**42S\_BE\_3333**

# **Anti-Krait Venom Activity Of Folk Medicinal Plants**

**A Project Report submitted to the Karnataka State Council For  
Science And Technology  
(KSCST-2018-19)**

**Sponsored By**



**KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY  
INDIAN INSTITUTE OF SCIENCE CAMPUS,  
BENGALURU - 560012  
Karnataka**

**Submitted By**

**Sahana N M**

Department of Biotechnology,  
Sapthagiri College of Engineering.

**Harshitha G**

Department of Biotechnology,  
Sapthagiri College of Engineering.

**Under the guidance of**

**Dr Veena S More**

Professor and H.O.D,  
Department of Biotechnology,  
Sapthagiri College of Engineering.



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

**SAPTHAGIRI COLLEGE OF ENGINEERING**  
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560 057  
DEPARTMENT OF BIOTECHNOLOGY

# SAPTHAGIRI COLLEGE OF ENGINEERING

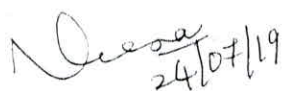
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560 057.

## DEPARTMENT OF BIOTECHNOLOGY



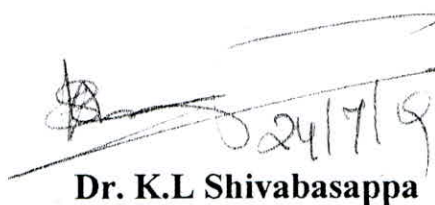
## CERTIFICATE

This is to certified that the project work entitled “**Anti-Krait Venom Activity Of Folk Medicinal Plants**” has been carried out by **Ms.Sahana N M** and **Ms.Harshitha G**, bonafide students of VIII semester B.E in Biotechnology of Sapthagiri College of Engineering, underscheme of The **Karnataka State Council For Science And Technology** during the academic year 2018-2019. The research is a record of original work carried out by them, in Department of Biotechnology, Sapthagiri College of Engineering, Bangalore, Karnataka, under our guidance and supervision and it has not formed the basis for the award of any Degree.

  
24/07/19

**Dr. Veena S More**

Guide and H.O.D,  
Department of Biotechnology

  
24/7/19

**Dr. K.L Shivabasappa**

Prinicpal,  
Sapthagiri College of Engineering

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



Payment Voucher

No. 753

Dated 26-Jul-2019

Particulars	Amount
Account : KSCST (Project Work)	6,500.00

Through :

SBI- 30263521464

On Account of :

Being amount paid to Sahana N.M towards expenses incurred towards project work by EEE department students

Bank Transaction Details

Sahana.N.M

Cheque/DD

499715

26-Jul-2019

6,500.00

Amount (in words) :

INR Six Thousand Five Hundred Only

2019  
27/7/19

₹ 6,500.00

Receiver's Signature

Authorised Signatory

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



24-07-2019

From,

Dr. Veena S More

Professor and H.O.D.,

Department of Biotechnology,

Sapthagiri College of Engineering,

Bangalore -560057

Date : 24-07-19

To,

The Principal,

Sapthagiri College of Engineering,

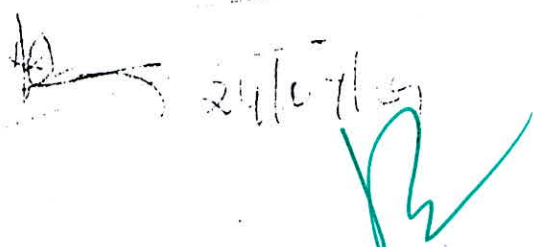
Bangalore -560057

Respected sir,

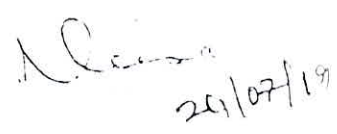
Sub: Requisition for release of fund provided for SPP Projects by KSCST, IISc

I, Dr. Veena S More, Department of Biotechnology, hereby request you to release the fund provided by KSCST, IISc for the completion of projects under 42<sup>nd</sup> SPP series. The details of expenditure borne during course of work are attached along with the bills. Kindly oblige.

Thanking You,

24/07/19  


Yours faithfully,

  
24/07/19

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

(Dr. Veena S. More)



Bengaluru

from,

Sahana NM,  
Department of Biotechnology,  
Sapthagiri college of Engineering

To,

Principal,  
Sapthagiri college of Engineering  
Bengaluru - 057.

Respected Sir,

Subject: Request to release fund sanctioned by KSCST.

I, Sahana NM and my team mates has worked on a project entitled "Anti-Krait Venom Activity of Folk Medicinal Plants and thus a fund of Rs. 6,500/- was sanctioned by KSCST for getting selected under SPP 42<sup>nd</sup> Series. I have submitted a complete report hard copy and CD to Ravishankar sir. Now, I request you to please release the fund.

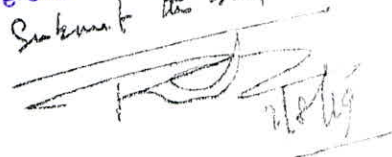
Thanking you,

Yours Sincerely,

Sahana NM

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

Subscribed to bill



Obtained  
RAVISHANKAR. M.N.  
SPP coordinator  
SCE B'lu  
03/08/2019.

Students have completed the project and submitted the report along with CD.



# DAYANANDA SAGAR UNIVERSITY

Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore - 560 078.

Date: 08/05/19

Vr. No. DSU/BAS/008/19

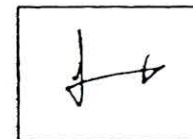
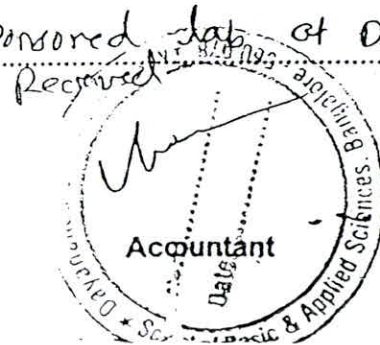
A/C MS. Harshita G. - of Dept of Biotechnology

Sapthagiri College of Eng Bangalore - 57

on account of Summer Internship Project under Dr. Sunil S. More

for his DST - sponsored lab at DSU

Rs. 6000/-



Receiver

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



**KSCST PROJECTS**

**UTILIZATION CERTIFICATE**

**KSCST Student project program 42<sup>nd</sup> series- 2018-19**

Sl No	Title of the project	Amount	<p>Certified that KSCST has provided partial financial support of RS42500/- towards Biofuel and SPP student project program 42<sup>nd</sup> series</p> <p>Sum of Rs42500/- only has been utilize for the purpose Biofuel and SPP student project program for which it was sanction</p>
1	AGROBOT	7500/-	
2	Development of Energy Management System (EMS) for Solar Photovoltaic Power Plants to Supply Power for Cottage Industries without using Battery Bank	8000/-	
3	Design and Fabrication of Articulated 3D Printer	8000/-	
4	Power generation by engine exhaust gas for air brake	7000/-	
5	Anti-Krait venom activity of folk medical plants.	6500/-	
6	Bio plastic Extraction from waste grease produce in industries using as Glycerol as a substrate.	5500/-	

Certified that I have satisfied myself that condition on which the grant in aid sanctioned has been duly/are be fulfilled and that I have excise the following check to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of check exercised

1. Cash book
2. Vouchers

*[Signature]*  
Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bangalore - 560 057

*[Signature]*  
Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bangalore - 560 057



Sl. No	Project proposal ref no	Title of the project	Dept./Guide	Amount Sanction by KSCST	Amount utilized by the college	Balance if any to be refunded to KSCST
1	42S_BE_0279	AGROBOT	EEE/ Mr.Dhamodaran	7500/-	7500/-	0
2	42S_BE_1473	Development of Energy Management System (EMS) for Solar Photovoltaic Power Plants to Supply Power for Cottage Industries without using Battery Bank	EEE/ Mrs. Rekha S N	8000/-	8000/-	0
3	42S_BE_1589	Design and Fabrication of Articulated 3D Printer	ME/ Mr. Ullas CS	8000/-	8000/-	0
4	42S_BE_2339	Power generation by engine exhaust gas for air brake	ME/ Mr. Padmanabha	7000/-	7000/-	0
5	42S_BE_3333	Anti-Krait venom activity of flok medical plants.	BT/ Dr. Veena S More	6500/-	6500/-	0
6	42S_B_BE_003	Bio plastic Extraction from waste grease produce in industries using as Glycerol as a substrate.	BT /Mr.prashanth kumar HP/ Ms. Shobha G	5500/-	5500/-	0

Signature of the Principal with seal

Signature of Auditor with seal

Date:

Date:

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

Principal  
Sapthagiri College of Engineering  
Chikkasandra, Hesaraghatta Road  
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