



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

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

Dr. S. G. Sreekanteswara Swamy
Executive Secretary

28th MARCH 2018

Ref: 7.1.01/SPP/08

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

Dear Sir,

Sub : Sanction of Student Project (Biofuel) - 41st Series : Year 2017-2018

Your Project Proposal Reference No. :

41S_B_BE_076

Ref : Your Project Proposal entitled "

DESIGN AND LAB SCALE ULTRASOUND BATCH REACTOR FOR THE PRODUCTION OF BIODIESEL FROM THE SLAUGHTER WASTE.

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme (Biofuel) 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Ms. Niranjana S.	Budget	Amount (Rs)
	and others	Materials/Consumables	7,000.00
Guide/s	Prof. Kavya M. V., Prof. Shobha G.	Labor	-
	& Mrs. Soumya C	Travel	500.00
		Analysis	-
Department	Biotechnology	Miscellaneous	500.00
		Report	500.00
		TOTAL	8,500.00
RUPEES EIGHT THOUSAND FIVE HUNDRED			

The following are the guidelines to carryout the project work :

- The project should be carried out based on the objectives of the proposal sent by you.
- The project should be completed in all respects and **a) One copy** of the hardbound report **b) Softcopy** of the full report (including coverpages, abstract & preliminary pages in a CD (.doc and .pdf format)
- The project report shall mention the name of "**Karnataka State Bioenergy Development Board and Karnataka State Council for Science and Technology**" as sponsored organisations in the title page. Project Title or the objectives can be altered only with prior permission of KSCST. Any change in the project are strictly prohibited and liable for rejection and the amount sanctioned has to be returned back to KSCST. The fund is to be utilised only for the activities to which it has been released.
- Please quote your **project sanction 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 [biofuelcell.kscst@gmail.com] and should include following :

- Title of the project
- Name of the College & Department

Sapthagiri College of Engineering
Chickasandra, Hesaraghatta
Bengaluru - 560 057

3) Name of the students & Guide(s)

41S_B_BE_076

4) Keywords

5) 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 (biofuelcell.kscst@gmail.com). In your e-mail, please also include project proposal reference number and title of the project.)

e) Best Projects will be awarded in Final Seminar / Exhibition.

The amount sanctioned for the selected projects will be sent by cheque.

The Mid term evaluation of the sponsored projects evaluation details will be intimated shortly by email / Website announcement..

Please visit our website for further announcements / information and for any clarifications please email to biofuelcell.kscst@gmail.com

Thanking you and with best regards,

Yours sincerely,

SD/-

Copy to:

- 1) The Head of the Department of
Biotechnology
Sapthagiri College of Engineering,
14/5, Chickasandra, Hesaraghatta Main Road,
Bengaluru - 560 057
- 2) Prof. Kavya M. V., Prof. Shobha G. & Mrs. Soumya C
Department of Biotechnology
Sapthagiri College of Engineering,
14/5, Chickasandra, Hesaraghatta Main Road,
Bengaluru - 560 057
- 3) The Finance Officer, KSCST, Bangalore



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



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

DESIGN OF LAB SCALE ULTRASOUND BATCH REACTOR FOR THE PRODUCTION OF BIODIESEL FROM THE SLAUGHTER WASTE

**A Project Report submitted to the Karnataka State Council For
Science And Technology
(KSCST-2017-18)**

Submitted By

Niranjana Srikrishnan

Department of Biotechnology
Sapthagiri College of Engineering

Under the guidance of

Mrs Kavya M V

Assistant Professor
Department of Biotechnology
Sapthagiri College of Engineering


Mrs. Shobha G

Assistant Professor
Department of Biotechnology
Sapthagiri College of Engineering

Mrs. Soumya C

Assistant Professor
Department of Biotechnology
Sapthagiri College of Engineering

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


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

CERTIFICATE

This is to certified that the project work entitled “Design of lab scale ultrasound batch reactor for the production of biodiesel from the slaughter waste” has been carried out by Ms. Niranjana S, bonafide student of VIII semester B.E in Biotechnology of Sapthagiri College of Engineering, under scheme of The Karnataka State Council For Science And Technology during the academic year 2017-2018. 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.

Signature of Guides

1.

2.

3.

Signature of HOD

Signature of Principal

Principal

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