

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

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

42nd Series of Student Project Programme: 2018-19

List of Projects Sanctioned Under Stream B - Innovative Projects

14. SAPTHAGIRI COLLEGE OF ENGINEERING, 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_1473	DEVELOPMENT OF ENERGY MANAGEMENT SYSTEM (EMS) FOR SOLAR PHOTOVOLTAIC POWER PLANTS TO SUPPLY POWER FOR COTTAGE INDUSTRIES WITHOUT USING BATTERY BANK	ELECTRICAL AND ELECTRONICS ENGINEERING		Mrs. REKHA S N	Ms. NITHYA J	8000.00

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 during 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.

Sapthagiri College of Engineering
Chikkasandra, Hesarghatta Main Road
Bengaluru-560 057

Principal

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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI-590018, KARNATAKA



A Project Report On

**"DEVELOPMENT OF ENERGY MANAGEMENT SYSTEM
(EMS) FOR SOLAR PHOTO VOLTAIC POWER PLANT TO
SUPPLY POWER FOR COTTAGE INDUSTRIES WITHOUT
USING BATTERY BANK"**

Submitted in partial fulfillment of the requirements for the award of the degree of

BACHELOR OF ENGINEERING IN ELECTRICAL AND ELECTRONICS

For the academic year 2018-2019

Submitted By

NITHYA.J (ISG15EE060)

PRIYA J SHANKAR (ISG15EE067)

SURABHLM (ISG15EE090)

MEGHANA.M S (ISG15EE422)

Under The Esteemed Guidance Of

Dr. K N Ravi, Professor & HOD.

Mrs. Rekha S N, Associate Professor.

Mr. Rukmangada R, Senior Lecturer.




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

Department of Electrical and Electronics Engineering

SAPTHAGIRI COLLEGE OF ENGINEERING


14/5 Chikkasandra, Hesaraghatta Main Road, Bangalore-560057

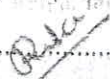



SAPTHAGIRI COLLEGE OF ENGINEERING
#14/5, Chikkasandra, Hesarghatta Main Road, Bangalore-560057
Department of Electrical and Electronics Engineering

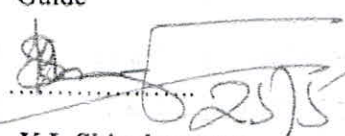
CERTIFICATE

Certified that the project work entitled "DEVELOPMENT OF ENERGY MANAGEMENT SYSTEM (EMS) FOR SOLAR PHOTO VOLTAIC POWER PLANT TO SUPPLY POWER FOR COTTAGE INDUSTRIES WITHOUT USING BATTERY BANK" is carried out collectively by NITHYA.J (1SG15EE060), PRIYA. J (1SG15EE067), SURABHI.M (1SG15EE090), MEGHANA.M S (1SG15EE422) bonafide students of 8th semester EEE Dept. in partial fulfillment for the award of degree in Bachelor of Engineering at Sapthagiri College of Engineering affiliated to Visvesvaraya Technological University, Belagavi for the Academic year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.



Dr K.N Ravi
Prof. & HOD
EEE, Dept


Mrs. Rekha. S N
Associate Prof.
Guide


Mr. Rukmangada. R
Senior lecturer.
Guide


Dr. K.L Shivabasappa
Principal

External Viva


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

Name of the examiners.

Signature with Date.

- 1.
- 2.

KSCST PROJECTS

UTILIZATION CERTIFICATE

KSCST Student project program 42nd 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 42nd 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

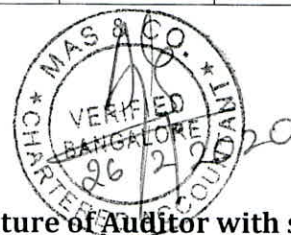
[Signature]
Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bangalore - 560 057

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

Sapthagiri College of Engineering
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Bangalore-560 057



Date:

Principal
Sapthagiri College of Engineering
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