



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.emet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.emet.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 - 41st Series: Year 2017-2018

Your Project Proposal Reference No. : 41S_BE_0470

Ref : Your Project Proposal entitled " **WOMEN SECURITY SYSTEM** "

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

Student / s	Ms. Divya Vidaya and others	Budget	Amount (Rs)
		Materials/Consumables	4,000.00
Guide/s	Prof. Aswatha Kumar.M.	Labor	-
		Travel	-
Department	Electronics And Communication Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	5,000.00
	RUPEES FIVE THOUDSAND		

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 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 [spp@kscst.iisc.ernet.in] and should include following :
 - Title of the project
 - Name of the College & Department

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

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

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.

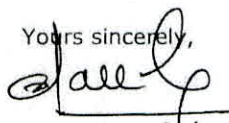
The sanctioned amount will be sent separately by our Accounts Department.

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,



(S.G.S. Swamy)

Copy to:

1) The Head of the Department of
Electronics And Communication Engineering
Sapthagiri College Of Engineering,
#14/5, Chickasandra,
Hesaraghatta Main Road,
Bengaluru - 560 057.

2) Prof. Aswatha Kumar.M.
Department of Electronics And Communication Engineering
Sapthagiri College Of Engineering,
#14/5, Chickasandra,
Hesaraghatta Main Road,
Bengaluru - 560 057.

3) The Finance Officer, KSCST, Bangalore


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


Principal
Sapthagiri College of Engineering
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Bengaluru - 560 057

A PROJECT REPORT
On
WOMEN SECURITY SYSTEM

Sponsored by
Karnataka State Council for Science and Technology (KSCST) - Bangalore

Submitted to
Visvesvaraya Technological University
Belgavi, Karnataka – 590018



in Partial fulfillment for the award of degree in

Bachelor of Engineering

During VIII Semester of

Electronics and Communication Engineering

for the academic year 2017-18

Submitted by

DIVYA VIDAYA	1SG14EC029
KAVYASHREE.S.G.	1SG15EC409
V.NIHARIKA	1SG14EC107
SHALU THAKUR	1SG14EC088

Under the guidance of

Mr. Ravi Shankara.M.N.

Associate Professor, Dept. of ECE, SCE



2017-18

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING**

SAPTHAGIRI COLLEGE OF ENGINEERING
14/5, Chikkasandra, Hesarahatta Main Road, Bengaluru– 560057

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



SAPTHAGIRI COLLEGE OF ENGINEERING
14/5, Chikkasandra, Hesaraghatta Main Road, Bangaluru- 560057

Department of Electronics and Communication Engineering

CERTIFICATE

Certified that the project work entitled "**WOMEN SECURITY SYSTEM**", carried out by Ms. Divya Vidya (1SG14EC029), Ms. Kavyashree.S.G (1SG15EC409), Ms. V.Niharika (1SG14EC107), Ms. Shubh Thakur (1SG14EC088) bonafide students of 8th Semester Electronics and Communication Engineering in partial fulfillment for the award of **Bachelor of Engineering** in Sapthagiri College of Engineering of the Visvesvaraya University, Belgavi during the year 2017-18. 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.

Signature of the Guide

Signature of the HOD

Signature of the Principal

External Viva

Signature of the examiners

Principal

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

Signature with date

ABSTRACT

Women all over the world are facing much unethical physical harassment. The status of women has gone through many great changes over the past few millennia. According to a global poll conducted by Thomson Reuters, India is the "Fourth most dangerous country" in the world for women.

This project is about providing additional enhanced features that can be implemented in the currently available safety devices. The proposed system is a portable device which assembles a prototype model that uses two mini devices - the Wristband and the Spectacles.



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

CHAPTER 1

INTRODUCTION

The status of women in India has gone through many great changes over the past few millennia. From equal status with men in ancient times, through the low points of the medieval period, to the promotion of equal rights by many reformers, the history of women in India has been eventful. In modern India, women continue to face social challenges and are often victims of abuse and violent crimes.

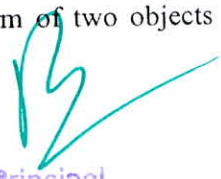
According to a global poll conducted by Thomson Reuters, India is the “Fourth Most Dangerous Country in the World for Women”, and the “Worst Country for Women among the G20 Countries”.

Not only in India, but women all over the world are facing much unethical physical harassment. But the greatest motivation for this project was the Delhi “Nirbhaya” case that triggered the whole nation. It was high time we women needed a change.

The rapid development of electronics provides secured environment to the human. As a part of this ‘WOMAN SECURITY SYSTEM’ is designed to reduce the risk of accidents. This is a device which reduces the problem associated with the accident notification.

This project focuses on a smart security system that is designed solely to serve the purpose of providing security and safety to women so that they never feel helpless while facing such social challenges. This acquires a fast pace due to lack of a suitable surveillance system.

We are proposing a prototype model that can be used in the form of two objects ~~wisdom~~ and spectacles that are being used in day to day life.


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraiah Road,
Bangalore-560 087

CHAPTER 8

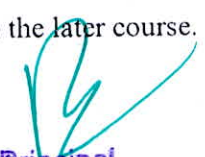
FUTURE SCOPE AND CONCLUSION

8.1 Future scope

The prototype model can be integrated into a wearable device. As the technological changes or new requirement from user to enhance the functionality of product may requires new version to be introduced. Although the system is complete and working efficiently, new modules which enhance the system functionality can be added without any major changes to the entire system. The concept can be used to provide the security for women, physically challenged people, children safety, vehicle safety and other valuable safety system module.

8.2 Conclusion

- Woman in danger is saved by either people nearby her or by the person listed in the emergency contact.
- Also, the tear gas mechanism may help the victim in buying some time to save herself.
- The recorded video can be used as an evidence for providing justice in the later course.


Principal
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Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

KSCST PROJECTS

UTILIZATION CERTIFICATE

KSCST Student project program 41stseries- 2017-18

Sl No	Title of the project	Amount	Certified that KSCST has provided partial financial support of RS 29,000/- towards Biofuel and SPP student project program 41 st series Sum of Rs29,000/- only has been utilize for the purpose Biofuel and SPP student project program for which it was sanction
1	Investigation on Performance and pollution level on n-butanol blended petrol fuelled IC engine (10% to 50% blending)	11000/-	
2	Real time free parking slots tracking using IOT technology	4500/-	
3	Women Security System	5000/-	
4	Design and Lab scale ultrasound batch reactor for the production of biodiesel from the slaughter waste	8500/-	

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


 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	41S_B_BE_062	Investigation on Performance and pollution level on n-butanol blended petrol fuelled IC engine (10% to 50% blending)	ME/ Prof. Raghuthama Rao	11000/-	11000/-	0
2	41S_B_BE_2016	Real time free parking slots tracking using IOT technology	ISE/ Prof. Prerana Chaitra	4500/-	4500/-	0
3	41S_B_BE_0470	Women Security System	EC/ Dr. Ashwatha Kumar S	5000/-	12,000	0
4	41S_B_BE_076	Design and Lab scale ultrasound batch reactor for the production of biodiesel from the slaughter waste	BT/ Prof. Kavya V M Prof. Shobha G Prof. Soumya C	8500/-	8,500/-	0

Signature of the Principal with seal

Date:

Signature of Auditor with seal

Date:

Principal
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 Chikkasandra, Hesaraghatta Road
 Bangalore-560 057

KSCST PROJECTS

UTILIZATION CERTIFICATE