



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

Dr. S. G. Sreekanteswara Swamy
Executive Secretary

24th April 2017

Ref: 7.1.01/SPP/ 862

The Principal,
Alva's Institute of Engineering and Technology,
Shobavana Campus,
Mijar,
Moodbidri - 574 225.

Dear Sir,

Sub : Sanction of Student Project - Series: Year : 2016-2017
Your Project Proposal Reference No. : 40S_BE_0858

Ref : Your Project Proposal entitled " A MOBILE HEALTH NETWORK DISASTER MANAGEMENT SYSTEM

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 40TH Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	MS. BINDU B N	Budget	Amount (Rs)
		Materials/Consumables	3500.00
Guide/s	MS. DIVYA RAVI N	Labor	
		Travel	
Department	INFORMATION SCIENCE AND ENGINEERING	Miscellaneous	500.00
		Report	500.00
		TOTAL	4500.00
	FOUR THOUSAND FIVE HUNDRED ONLY		

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
- Name of the students & Guide(s)
- Keywords

PRINCIPAL

Alva's Institute of Engg. & Technology,
Mijar. MOODBIDRI - 574 225, D.K

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
JNANA SANGAMA BELAGAVI**



**A PROJECT REPORT ON
“A MOBILE HEALTH NETWORK DISASTER
MANAGEMENT SYSTEM”**

**SUBMITTED IN PARTIAL FULFILLMENT FOR THE AWARD OF DEGREE OF
BACHELOR OF ENGINEERING**

**IN
INFORMATION SCIENCE AND ENGINEERING**

BY

Ms. BINDU B N

4AL13IS005

Ms. FAREENA

4AL13IS009

Ms. K KEERTHANA P PAI

4AL13IS011

Mr. KHWAJA MUQHEETH

4AL13IS015

**Under the Guidance of
Mrs. DIVYA RAVI. N
ASSISTANT PROFESSOR**



**DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING
ALVAS INSTITUTE OF ENGINEERING AND TECHNOLOGY
MOODBIDRI-574225, KARNATAKA**

2016 – 2017

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225

KARNATAKA



DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

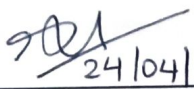
CERTIFICATE

This is to certify that the Project entitled "A MOBILE HEALTH NETWORK DISASTER MANAGEMENT SYSTEM" has been successfully completed by

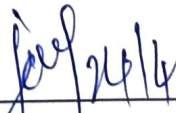
Ms. BINDU B N	4AL13IS005
Ms. FAREENA	4AL13IS009
Ms. K KEERTHANA P PAI	4AL13IS011
Mr. KHWAJA MUQHEETH	4AL13IS015

The bonafide students of Department of Information Science & Engineering, Alva's Institute of Engineering and Technology in partial fulfilment for the award of BACHELOR OF ENGINEERING in DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2016-2017.

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 Bachelor of Engineering Degree.


24/04/17

Mrs. Divya Ravi. N
Assistant Professor
Project Guide


Mr. Jayantkumar A Rathod
Associate Professor
Head of the Department
Dept. Of Information Science & Engineering
Alva's Institute of Engineering and Technology
Mijar, MOODBIDRI - 574 225

External Viva


Dr. Peter Fernandes
Principal

Name of the Examiners

Signature with Date

- 1.
- 2.

ABSTRACT

The project “A Mobile Health Network Disaster Management System” aims to enable communication during natural disasters, which causes the rapid destruction of the telecommunication infrastructure. While destruction is inevitable unfolds, which tends to halt the necessary communications between the humanitarian operators and the people in need. In such scenarios, the deployment of wireless networks would provide fast and temporary remedies, however these networks normally do not provide services to the end-users and ordinary people, instead they provide connectivity between groups of end-users administered by a local service provider. From a range of services provided to the end-users by the humanitarian operators, healthcare is by far the top priority.

Health care is considered through the utilization of smart phones in a Mobile Health (mHealth) perspective, which is an emerging concept for monitoring and tracking end user health conditions. A mHealth system used in a tsunami-stricken disaster scenario, including a discussion on the most recent advances of Device to Device (D2D) and LTE-Direct technologies. It accommodates disaster recovery process in an environment without functional telecommunication services. It helps the people from the disaster stricken area.