BRAILLIE PAD SMS SYSTEM

A Project report submitted in partial fulfilment of the requirements for the award of degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

N.BHAVYA

Regd.No.15815A0416

S.SAI

Regd.No.15815A0431

T.GOPI

Regd.No.15815A0433

Y.BIMBADHAR

Regd.No.14811A0477

Under the guidance of

V.V.SATHYANARAYANA, M.Tech.

ASSISTANT PROFESSOR

DEPARTMENT OF

ELECTRONICS AND COMMUNICATION ENGINEERING

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Accredited by NBA, Approved by A.I.C.T.E, Affiliated to J.N.T.U. KAKINADA)

TAMARAM (P.O), MAKAVARAPALEM (M.O) , NARSIPATNAM (R.D)

VISAKHAPATNAM DISTRICT-531113

2014-2018

ELECTRONICS AND COMMUNICATION ENGINEERING

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Accredited by NBA, Approved by A.I.C.T.E, Affiliated to J.N.T.U. KAKINADA)

TAMARAM (P.O), MAKAVARAPALEM (M.O) , NARSIPATNAM (R.D)

VISAKHAPATNAM DISTRICT-531113

CERTIFICATE

This is to certify that the project entitled **"BRAILLE PAD SMS SYSTEM"** in Partialfulfillment for the of degree of Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING, at AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, MAKAVARAPALEM, VISAKHAPATNAM is an bonafied work carried out by N.BHAVYA (15815A0416), S.SAI (15815A0431), T.GOPI (15815A0433), Y.BIMBADHAR (14811A0477)under the guidance and supervision during 2017-2018.

PROJECT GUIDE

V.V.SATHYANARAYANA, M.Tech

Assistant professor

Department of ECE

HEAD OF DEPARTMENT

Mr. **E.GOVINDA**, M.Tech.,(phd)

Associate Professor

Department of ECE

HEAD OF THE DEPARTMENT
DEPARTMENT OF ECE
Avanthi Institute of Engg.&Tech.
Makavarapalem, Visakhapatnam Dist-531 113

EXTERNAL EXAMINER

ABSTRACT

In our day to day life the telecommunication technology plays an important role. It has completely revolutionaries the way we communicate, especially long distance communication. Despite of all these advancement in the telecommunication field, the physically impaired people have no access for these technologies.

For that we are using Braille language as the basis of the project . But it is not an economical way of communicating now a day. It has limitation on the maximum number of words per page and pages per books.

So we are interfacing Braille pad with the cell phone so that impaired person can have the access to the SMS system.

The main aim of our project is to physically impaired people should access the present technologies and communicate with the world.

Here the user sends the SMS to the blind person's mobile number which is connected to the microcontroller which reads the SMS using GSM module through the AT commands and then converts the letters of the SMS into the Braille language using the lookup table in its memory.

With the help of 6 relays Microcontroller vibrates the Braille pad on which the blind person can read the SMS. For sending a SMS, the microcontroller converts the typed Braille letter on Braille pad to the English alphabets using the lookup table.