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

KSCST

Dr. S. G. Sreekanteswara Swamy
Executive Secretary

28th March, 2018

Ref: 7.1.01/SPP/08

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

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018
Your Project Proposal Reference No. : 41S_BE_1403

Ref : Your Project Proposal entitled " V BRAILLE : TEXT INPUT OF MULTI-TOUCH SCREEN MOBILE PHONES

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:

Students	Mr. Pratheek P P and others	Budget	Amount (Rs)
		Materials/Consumables	3,000.00
Guide/s	Mr. Tahir Naquash H B	Labor	-
		Travel	-
Department	Computer Science And Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	4,000.00
	RUPEES FOUR THOUSAND		

The following are the guidelines to carryout the project work :

a) The project should be performed based on the objectives of the proposal sent by you.

b) 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.

c) 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.

d) Please quote your **project sanction reference number printed above** in all your future correspondences.

e) 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 points:
1) Title of the project
2) Name of the College & Department
3) Name of the students & Guide(s)
4) Keywords

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

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 (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 following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.
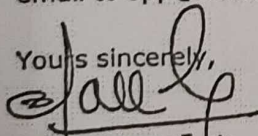
DEMO OF THE BRAILLE TO BE MADE AVAILABLE FOR VERIFICATION.

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 email / Website announcement.
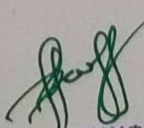
Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Yours sincerely,

(S.G.S. Swamy)

Copy to:

1) The Head of the Department of
    Computer Science And Engineering
    Alva'S Institute Of Engineering And Technology,
    Shobavana Campus,
    Mijar, Moodbidri - 574 225.

2) Mr. Tahir Naquash H B
    Department of Computer Science And Engineering
    Alva'S Institute Of Engineering And Technology,
    Shobavana Campus,
    Mijar, Moodbidri - 574 225.

3) The Finance Officer, KSCST, Bangalore

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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI-590 018

PROJECT REPORT ON

"VBraille: Text Input Of Multi-Touch Screen Mobile Phones"

Submitted in partial fulfillment for the award of Degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE & ENGINEERING

By

Mr. PRATHEEK P P	4AL13CS067
Ms. R TOSHITHA	4AL13CS068
Mr. K NIKHIL V SHETTY	4AL14CS031
Mr. MAHESHA	4AL14CS041

Under the Guidance of

Mr. TAHIR NAQUASH H B

ASSISTANT PROFESSOR

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MOODBIDRI-574225, KARNATAKA

2017 – 2018

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
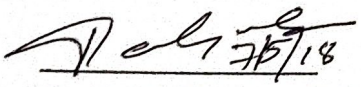## MIJAR, MOODBIDRI D.K. -574225
KARNATAKA

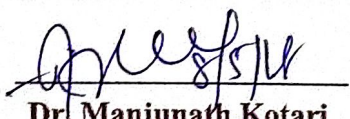## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that the Project entitled **"VBRAILLE: TEXT INPUT OF MULTI-TOUCH SCREEN MOBILE PHONES"** has been successfully completed by

Mr. PRATHEEK P P	**4AL13CS067**
Ms. R TOSHITHA	**4AL13CS068**
Mr. K NIKHIL V SHETTY	**4AL14CS031**
Mr. MAHESHA	**4AL14CS041**

the bonafide students of **Department of Computer Science & Engineering, Alva's Institute of Engineering and Technology** in partial fulfillment for the award of BACHELOR OF ENGINEERING in **DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2017–2018. 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.

Mr. Tahir Naquash H B
Project Guide

Dr. Manjunath Kotari
Head of the Department
H.O.D.
Dept. Of Computer Science & Engineering
Alva's Institute of Engg. & Technology
External Viva
Mijar, MOODBIDRI- 574 225

Dr. Peter Fernandes
Principal
PRINCIPAL
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225, D.K.

Name of the Examiners

Signature with Date

1.
2.

ABSTRACT

The visually impaired form an integral part of a society. The project's objective is to design and develop an android application in which the Braille characters Keyboard is used to enable text to speech on the android mobile phone. This application is used as a default application and mainly suitable for blind people who mainly depend on their Braille language skills. Most of the devices having Touch-screens, which are inaccessible to blind people due to the lack of own sense to recognize position on the Touchscreen keyboard. They require user to find the location on the screen to interact with the application. The proposed application deals with the design and development of a Braille keyboard for sending message and making call. Keyboard is designed in this application by using the Braille concept, in Braille language characters are designed by using six dots which are positioned in three columns and two rows.