

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
BELGAUM-590014**



*A project Report*

**On**

**“NAVIGATIONAL AID FOR BLIND USING GPS”**

**(Sponsored by Karnataka State Council for Science and Technology)**

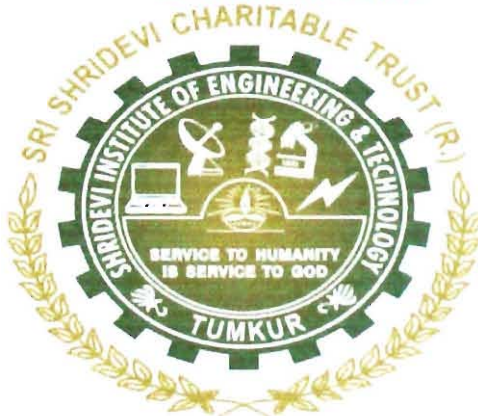
**Submitted in partial fulfillment of the requirement for the award of degree**

**BACHELOR OF ENGINEERING  
IN  
ELECTRONICS AND COMMUNICATION  
By**

**Girijamba.C.R (USN: 1SV06EC016)  
Nandashree.B.G (USN: 1SV06EC028)  
Umesh (USN: 1SV06EC049)  
Pavankumar (USN: 1SV06EC409)**

*Under The Guidance Of*

**Mr. AIJAZ AHAMED SHARIEF  
HOD, E&C Dept, S.I.E.T.  
TUMKUR-572106**



**Department of Electronics and Communication Engineering  
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY**

**An ISO 9001:2008 Certified institution**

**TUMKUR – 572106**

**2009-2010**

## **ABSTRACT**

**GPS enabled campus navigation system for blind with voice narration. This project is used to give voice messages reading the campus details & current location of the campus to visually handicapped person using GPS.**

**The device is actually a special attachment that works with any GPS-enabled PDA, and relies on two major components: The voice Guiding system and the specially designed GPS navigation maps. Thus, all the user has to do is connect the trekker to the main GPS unit and switch it on.**

**The device will then deliver comprehensive information regarding the users route, providing such useful features as real-time information detection (intersections & points of interest), real-time/off line map browsing (route preview), route planning and recording (guiding rules), accessing the GPS information and more.**