

**A Project Report Submitted to the  
VISVESVARAYA TECHNOLOGICAL UNIVERSITY BELGAUM**



**Entitled**

***“Vision Based Analysis Using Sixth Sense Technology”***

**(Sponsored by KSCST, IISC, Bangalore)**

**In Partial fulfillment of the award of the degree of**

**Bachelor of Engineering in Computer Science & Engg.**

***Submitted by***

Mr. VISHAL J KESTI	2HN10CS053
Miss. ASHWINI A PATIL	2HN10CS004
Miss. PANKAJA A SHAHAPURE	2HN10CS019
Mr. MRUTYUNJAY G HIREMATH	2HN10CS014

***Under the Valuable Guidance of***

**Prof: Aruna .A. Daptardar BE, M.TECH**



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**HIRASUGAR INSTITUTE OF TECHNOLOGY**

**Tal: Hukkeri**

**Nidasoshi-591236**

**Dist: Belgaum**

**Year. 2013-2014**

## **ABSTRACT**

A number of devices are developed to help the physical world interact with the digital world and only a few are developed for gestures made by body movements. Gesture recognition technology is already developed but we mainly use 3 technologies mainly: gesture recognition, image processing and color recognition technologies for reducing the bridge between the physical world and the digital world by using Sixth sense technology. Sixth sense technology is a wearable gesture interface device. The system recognizes a user's free hand gestures as well as icons/symbols drawn in the air with the fingers. The aim of our project is to move the mouse cursor on the screen without using hardware such as a mouse and only by moving the cursor through finger movements i.e.: nothing but gesture recognition. We implement computer mouse movement through finger by image grabbing using Sixth Sense Technology which gets processed in OpenCV, C# without using gesture recognition.