

SIXTH SENSE GESTURE RECOGNITION SYSTEM (6S-GRS)

A PROJECT REPORT

Submitted by

ANSON STEPHEN	4SN07EC009
ARTH KUMAR.D.RAO	4SN07EC012
B.ESHAK	4SN07EC015
FAHEEM ADIL	4SN07EC023

In partial fulfillment of the requirements for the degree of

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION

(Visvesvaraya Technological University, Belgaum)

Under the Guidance of

Mr. SATHISH KUMAR K

Asst. Professor, E&C Department

SRINIVAS GROUP



SAMAGRA GNANA

Department of Electronics and Communication

SRINIVAS INSTITUTE OF TECHNOLOGY

MANGALORE-574143, KARNATAKA

2010 – 2011

ABSTRACT

Sixth sense technology helps to bridge a gap between tangible and non-tangible world. Sixth Sense device is basically a gestural interface that connects the physical world around us with digital information and lets us use natural hand gestures to interact with this information.

Sixth sense (6S) is an interaction between real world and digital world. Normally dumb people use particular gestures to communicate but all people are not able to recognize it. 6s-grs device actually converts the gestures made by them to a word/Text what they want to convey. The project is done to interpret the gestures made by a dumb people to translate into a speech. A code is written in MATLAB and a camera is used to capture the gesture is interfaced with MATLAB tool and also a speaker to produce the speech.