

# **VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

“Jnana Sangama”, Belgaum – 590018, Karnataka state, India



**Project Report On**

## **“MOUSELESS - A SMART TECHNOLOGY FOR INTERACTING WITH ELECTRONIC DEVICES”**

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

**BACHELOR OF ENGINEERING**

**IN**

**INFORMATION SCIENCE & ENGINEERING**

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## **ABSTRACT**

Recent changes in Technology have revolutionized Interaction between the computer world and its applications. The focus of Human Computer Interaction is to provide intercommunication between the user and the computer by making computer easier to the user needs and allowing the user to interact with the information using natural hand movements or Air commands related to touchless recognition, Augmented Reality, Computer Vision and Virtual Keyboard. The corresponding Air commands is given as an input through colored caps which is identified by the camera connected to a Computer. Camera reads the movement of color marker and communicates the data to a computer that uses gestures as an input to control devices or applications, Many other modern technologies are available which are widely used like touch screen, touch pads, multi touch interfaces that not only saves the utilization time but increases the ease of usability too.