



Visvesvaraya Technological University

Belgaum

A
Project report
on

**“MULTIDEVICE CONTROL USING HEAD MOVEMENT FOR:
PHYSICALLY IMPAIRED, SPINAL CORD INJURED AND
PARALYSED PATIENTS”**

Submitted in partial fulfillment of the requirements for the Award of Bachelor's degree in
Instrumentation Technology

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ABSTRACT

In some cases, due to spinal cord injury a person can lose control over all his body parts, except head. In such cases he/she needs a helper all the time. For example if the patient requires fan then he should inform to his helper similarly he requires helper for switching ON or OFF lights, TV.. etc. These purposes can be served with our project without the need of human help.

This can be done by implementing this project which serves the purpose of controlling the home appliances by spinal cord injury or physically impaired or paralyzed patients without the need of a helper.

Here flex sensors are attached to a neck band of the patient. The patient can control the home appliances just by movement of the head.