**LJ INSTITUTUE OF ENGINEERING AND TECHNOLOGY**

**LJ INNOVATION VILLAGE 2020**

PROJECT TITLE

Gesture Control

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**TITLE**

Gesture Control

**ABSTRACT**

humans interact with computers with a number to ways. This project gives a new method that can be used to control with the use of accelerometer

accelerometers are present in our mobile phones smart watches and smart bands. In a day we communicate with each other with some gesture and signs

so its ca be more natural interact with our pcs too with such smart watches or bands

further this same technique and algorithm can be used for object tracking motion capture indoor positioning system

**UNIQUENESS**

This project uses a simple accelerometer to read the gesture of hand motion which is more natural way we interact in our daily lives

presently we use mouse touch screen keyboard all of them use some wired connection but use of accelerometer gives more freedom to user

**PROBLEM TRYING TO SOLVE**

use of mouse or else for interfacing can be tedious some times. This project provide simple and easy to use tool for interaction with computer. With use of this control becomes easy

**MARKET POTENTIAL**

from many years pc control has stuck on use of mouse and no new invention has emerged till now. It has huge market potential as it is simple and handy to use and there are no such handy options available for interfacing digitally.

**POTENTIAL IMPACT**

because it gives use a more natural way to operate it is easy to use so possibly it can change the way people interact with their pcs. It is very user-friendly and gives more freedom to user

**SCOPE DESIGN**

it can used for tracking motion

it can be alternatively used for high accuracy positioning system

and also for object tracking

**BACKGROUND OF INNOVATION**

we have done initial trials by integration

we have done work on accelerometer integration with matlab

data acquisition with it

simple graphical user interface on matlab