*******ABSTRACT**********
Project : gesture controlled computer

We plan to build a devie which can read our getsures and control the pointing device of the computer.
It acts as a psuedo mouse which is controlled by your finger and hand movements

Our design consists of two main parts: a glove and a base station.
Operation of our device begins with the glove.
A user wearing the glove can use hand tilt orientation and finger presses to operate the glove.
The glove senses these user actions via two types of sensors: accelerometers and finger contact pads.
After the glove's microcontroller processes the input data, it forwards a message a transceiver mounted on the glove unit.
The transceiver then transmits this message wireless to a transceiver on the base station.
The receiving transceiver forwards the the message base station microcontroller.
Finally, the microcontroller converts the message into a computer HID user friendly format and moves the computer cursor appropriately.
Estimated time for completion 20 days

Timeline:
Week 1 : *We will study about computer HID user format
*learn about sensors
*bring the required materials.

Week 2 : We will study about the elctrical developments that are needed
* we will make a complete electrical ckt diagram
* we will have our pseudo code for the coding part completed.
* we will start building the glove

week 3 : *We will dedicate ourselves in completing and debuging the project.

If time permits we will add more features that can be controlled by using a front camera......

materials required
Teensy++ 2.0 board
Accelerometer (3 axis)
A mictrocontroller
Transreciever, contact pad cablesetc..
TOTAL ESTIMATE 7000-8000 RS.

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