ELECTROMETHEUS

for

ITSP 2016

<u>Manimouse</u>

Your hand made into mouse

<u>Members:</u>

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➢ Abstract Idea:

We intend to create a mouse simulation system for computers which would include gesture recognition system for spatial control.
The system would include development of a program based on image processing for gesture recognition and implementing the processed data as an alternative for mouse.

➢ Plan Of Action:

- An integral part of our project is getting acquainted with finding about and gathering tools for programming and image processing (library classes, etc.)

  Initial **3 weeks** will be dedicated completely in these ends.

- Next would come the implementation phase involving development of a program for the interactive system.

  About **1 week** will be spent to accomplish this.

- The last **2 weeks** are reserved for
  - Improvisations in interface and sensitivity of the system.
  - Creating a video presentation of the final product.

➢ Estimated Requirements:

- Digital camera
- Miscellaneous

  These may amount to about **INR 2500**.

➢ What We Expect To Learn:

- Image processing.
- Programming using OpenCV on python.