ANIMATEME

ABSTRACT

ITSP 2015
Nehal Mittal

Team members and contact details:-

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Aim:-

To build a device that can convert motion and actions of a person into motion of an animated character.

Project description:-

By using the concept of motion sensing using LEDs and cameras at different angles and applying some basic mathematics the motion of a person are monitored and recorded. This data will then be fed to software whose purpose shall be to connect those motions of the person to the motion of an animated character.

Implementation steps:-

The project shall be divided into 2 stages. First that includes taking the data and sensing the motion of person and second connecting those to that of the animated character and some working on the movements and background processing.

Components required and approximate costs:-

Components required (may vary greatly):-

Transmitters

Receivers

LEDs

Cameras

Some software for coding

Approximate cost:-

Around 8000

Learning objectives:-

After this I will have some idea about coding, basics of electronics and motion sensing.