

## ABSTRACT

# FABRICATION OF FLEX SENSOR OPERATED ROBOTIC ARM

The arm moment is reciprocated almost exactly by the robotic arm. Data capture is achieved with the special motion capture sensor called “Shape Tape” that is worn by the human operator. Any human arm or even leg, neck or spine moment can be mapped on to any of the robotics.

Flex sensor robotic arm deals with controlling a bionic/robotic arm with the help of motion sensing technology by Flex Sensors. The system is basically a master-slave system wherein the master motion sensing glove sits on hosts arm sensing motions of the finger and then using this data to control the servos which control the finger movement of the slave bionic/robotic arm.

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