



PROSTHETIC ARM USING EMG SENSOR

A prosthetic arm is a micro-controller based device and a combination of various links, levers with appropriate joints in an open or closed mechanism. These links or bodies are assembled in such a way that the motion of one causes constrained and predictable motions to others. So it forms a machine which is a combination of various mechanisms that impart motions to the links, transmits, and modifies the mechanical energy into desired work. The initial research was limited to a few particular motions like two-finger gripping or three-finger gripping. The links were actuated by a set of cable and harness, which controlled the opening and closing functions of links (fingers). These prosthetic hands were named as harness controlled non-automated arms.