

Abstract

Utilization of electrical energy in this world is very important for human cravings. Especially in today's modern era, starting from the hardware and software side. A lot of technology will emerge and it will require a lot of electrical energy. Utilization of solar energy can be used for technological advancement today. The increasing demand for electrical energy makes the inventory of conventional energy reserves less and less. Solar panels are devices consisting of solar cells that convert light energy into electrical energy. Utilization of solar panel energy utilization in world level is still very little. The application of the Tracking system on the Solar Panel to the sun can reduce the utilization of electrical energy. Tracking System on Solar Panels using a Microcontroller Arduino ATmega328. Fuzzy method can be used to perform Tracking system on Solar Panel. By making the voltage and current values. as inputs in the Fuzzy method. Servo motors will be used as solar panels actuator.

Keywords: Energy, Fuzzy, Solar Panel, Microcontroller, Arduino ATmega328, Servo Motor.