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(57) Abstract :
Disclosed herein is a solar tracking device (100) comprises a solar panel (118), a plurality of sensors (102) associated with the solar panel (118), a first gear motor (114) associated with the solar panel (118) configured to rotate the solar panel (118) in x-axis, a second gear motor (116) associated with the solar panel (118) configured to rotate the solar panel (118) in y-axis and a battery (112) coupled with a motor driver (110) ,configured to provide power supply to the solar tracking device (100) . The plurality of sensors (102) are placed around the solar panels (118) to detect highest intensity of the sun rays present. The microcontroller (104) collects the and analyze the data from the plurality of sensor (102),and provides an output signal to the motor driver (110) .The motor driver (110) is configured to rotate the first gear motor (114) and the second gear motor (116).

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