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Report on

(DUAL AXIS SOLAR SUN CRACKING SYSTEMS)

A report submitted for the partial fulfillment of the requirements for Mini Project of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MINI PROJECT

(DUAL AXIS SOLAR SUN CRACKING SYSTEMS)

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DUAL AXIS SOLAR SUN TRACKING SYSTEM

ABSTRACT

Today we are living in an era where we need to use renewable energy as much as possible. Because day by day the pollution is increasing. So, one of the most usable and efficient renewable energy sources is solar energy. We have already seen a lot of solar panels already in use. The output of the solar cells depends on the intensity of the sun light and the angle of incidence. It means to get maximum efficiency, solar panels must remain perpendicularly to the sun whole day. But due to rotation and revolution of the earth, these panels can't maintain always the perpendicular position to the sun. This results in decrease in efficiency. Thus to get a constant output, an automated system is required which can rotate the solar panel perpendicular to the sun according to the movement of the sun. The solar sun tracking system will make a prototype to increase the efficiency of the solar energy from the panel. It is completely automatic and keeps the panel always perpendicular to the sun until the sun is visible.