

# Solar Based Running Zebra Crossing System

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**Abstract:** *An automatic road crossing system is crucial because in many developing and poor nations, the regulations and customs around crossing the street are not very strict. Additionally, the level of risk that is assumed around us on a daily basis only strengthens the case for an automatic zebra crossing system. This paper offers a straightforward, low-cost solution to this issue based on an Arduino-UNO-based system. Urban regions with high traffic volumes render pedestrian crossings dangerous. This essay seeks to prevent accidents from occurring when pedestrians are crossing at traffic lights. Because drivers disregard the signals, there are more collisions with pedestrians. The automatic barriers for the zebra crossing proposed in the study prevent these accidents. These barriers automatically rise when people are crossing and lower when cars are moving. The device can accurately measure the parameters required of an Automated Zebra Crossing system and is completely autonomous.*

**Keywords:** Arduino-UNO.

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