

# **SOLAR BASED WIRELESS CEILING LIGHT WITH IOT**

*A project report submitted in partial fulfillment of the requirements  
For the award of the degree of*

## **BACHELOR OF TECHNOLOGY IN ELECTRICAL & ELECTRONICS ENGINEERING**

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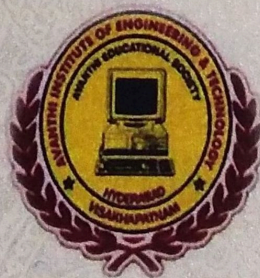
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ELECTRICAL AND ELECTRONICS ENGINEERING  
AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY**

(Permanently Affiliated to Jawaharlal Nehru Technological University, Kakinada, AP)

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Tamaram , Narsipatnam , Visakhapatnam-531113

**2018-2019**

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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



### CERTIFICATE

This is certify that the project report entitled “ **SOLAR BASED WIRELESS CEILING LIGHT WITH IOT**” is a Bonafede work submitted by **CH.ABHISHEK, P.KISHOR, R.SWATHI, V.SAI SIREESHA & P.JAGADEESWARA RAO** in partial fulfillment of the requirements for the award of degree of

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY,  
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## ABSTRACT

Solar power is the most ongoing and flaming subject undergoing intense study across the globe. Every country is trying their best to save non-renewable resources for future generations, in order of which they are trying their handover various renewable resources for sustainable future, and solar energy is being most current and widely accepted natural resources for tropical countries. India being a tropical country, has taken an initiative way back to promote solar energy as the prime source of power in country. In this concept , depending upon the power requirement suitable solar panels can be installed over the roof top and its output can be used to charge the battery. Now with the help of a power transmitting coil , electrical energy can be transmitted through the roof because wireless power can pass through almost all materials except metals. Here inside the room electrical devices attached to the ceiling can be energized through power receiving coil and they can be controlled through IOT. In this concept , almost all domestic gadgets can be energized and connecting cables or switch boards are not required.