

**Title:** SOLAR BASED WIRELESS MOBILE CHARGER FOR RURAL AREA

**Team Details:**

Name	Hall Ticket No.	Title	Dept.
K.MAHESWAR	14K41A0480	SOLAR BASED WIRELESS MOBILE CHARGER FOR RURAL AREA	ECE
K.SRIHARI	14K41A0478		
SANDEEP REDDY	14K41A0467		
VINEETH	14K41A0470		

**Community Partner:** Sri Tirumala Cell World, Chowrasta, HNK, Warangal

**Abstract:**

Photons attacking the solar cells are absorbed by any semiconducting material such as silicon. The energy of the absorbed photon is transferred to the electron. This energy knocks off the electrons from the atoms. It flows unidirectional through the material which provides electrical energy. An array of solar cells converts solar energy into usable Electrical energy. It can be used in various applications and has a lot of features. Solar mobile charger product is relatively small size and can be used anywhere (portability). It requires no electrical start-up power and higher efficiency than photovoltaic systems of the same size. It is emission free environment friendly requires less maintenance cost. Battery life is high and also its adaptability. Solar mobile charger is highly applicable in today's world due to the continual depletion of resources.

**Images:**

