

**M.V.R. DEGREE COLLEGE**  
(Affiliated to Andhra University)  
An Institution of Priyadarshini Educational Academy)  
NAAC ACCREDITED COLLEGE

Dr.V.Rama Rao, M.A.,Ph.D.,  
Secretary & Correspondent

Dr.A.Balakrishna,M.Sc.,Ph.D.,  
Principal

**DEPARTMENT OF PHYSICS**  
**AS PART OF SKILL DEVELOPMENT COURSES**  
**UNDER CBCS FRAMEWORK WITH EFFECT FROM 2020-2021**  
A.P. STATE COUNCIL OF HIGHER EDUCATION  
B.A, B.Com & B.Sc. PROGRAMMES  
Revised CBCS w.e.f. 2020-21  
SYALLBUS of **SOLAR ENERGY.**  
*Total 30 hrs (02h/wk), 02 Credits & Max Marks: 50M*

**PROGRAME SPECIFIC OUTCOMES:**

*After successful completion of the course, students will be able to:*

- 1. Acquire knowledge on solar radiation principles with respect to solar energy estimation.*
- 2. Get familiarized with various collecting techniques of solar energy and its storage*
- 3. Learn the solar photovoltaic technology principles and different types of solar cells for Energy conversion and different photovoltaic applications.*
- 4. Understand the working principles of several solar appliances like Solar cookers, Solar hot Water systems, Solar dryers, Solar Distillation, Solar greenhouses*

*Attested*

*Shm*

PRINCIPAL  
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Shramika Nagar, Gajuwaka,  
VISA KHAPATNAM - 530 026

