

SNS COLLEGE OF TECHNOLOGY



(An Autonomous Institution)
COIMBATORE-35

Accredited by NBA-AICTE and Accredited by NAAC – UGC with A+ Grade

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

COURSE NAME: 19EEO305 /Renewable Energy Generation Technology

III YEAR / VI SEMESTER

UNIT 1- SCENARIO OF RENEWABLE ENERGY

Topic 4 – Needs and Advantages





SUCCESSFUL STUDENT

Positive Attitude

Professionally Groomed

Socially Interactive

Technically Skillful





Benefits of Energy Conservation







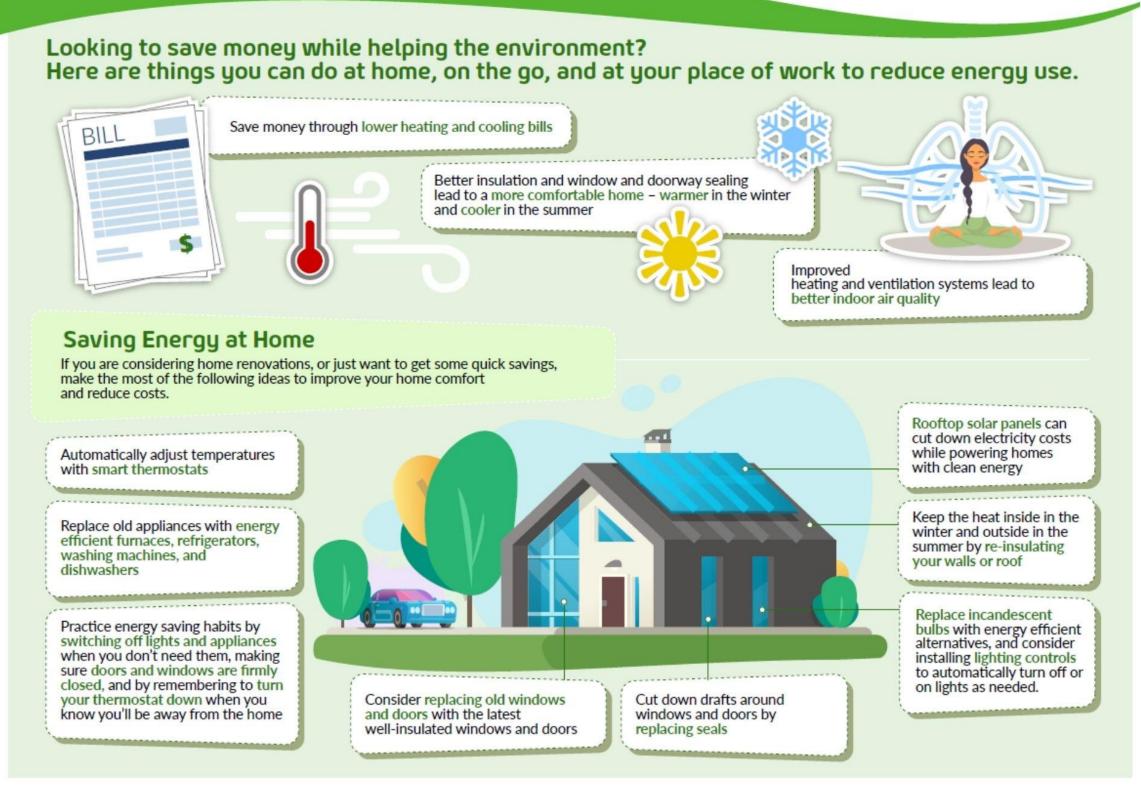




The Benefits of Energy Efficiency

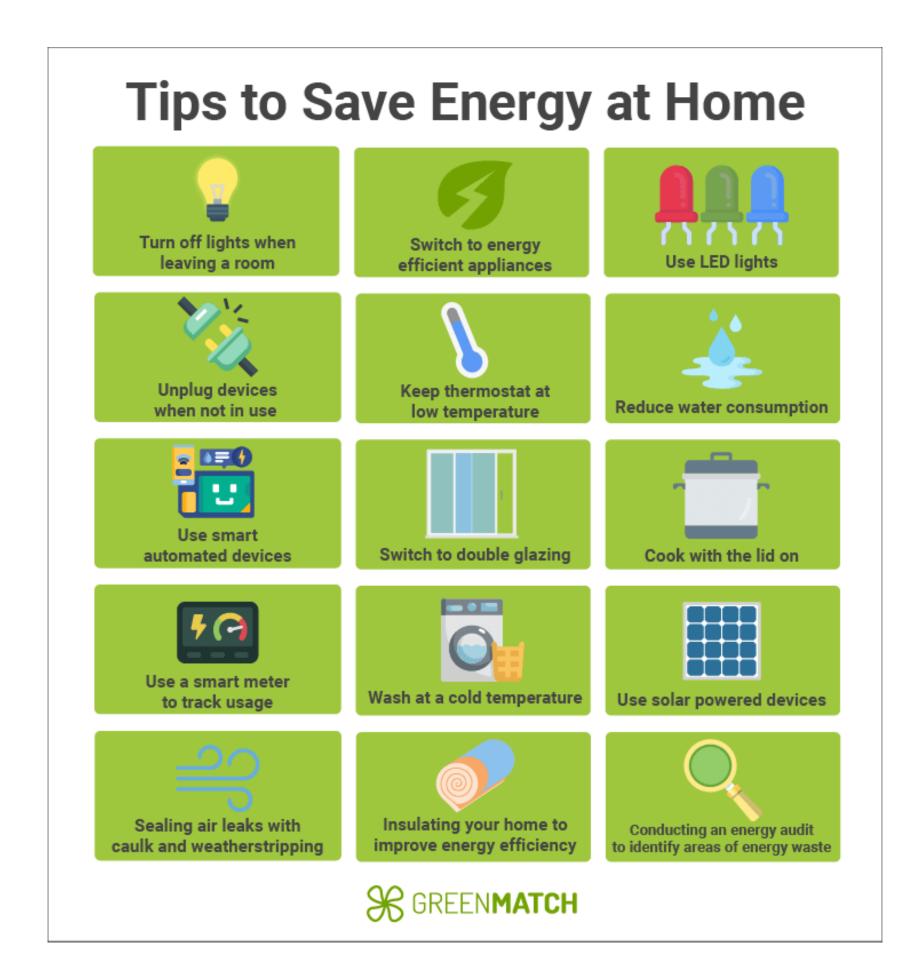


























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NEED OF ENERGY CONSERVATION

potential in industrial and agricultural sectors.

1.5.2 Need of Energy Conservation: Why energy conservation is required.

- Energy conservation is an important element of energy policy.
- It is a more environmentally favourable alternative to increase energy production.
- Energy conservation reduces the energy consumption and energy demand.
- This reduces the rise in energy costs, and can reduce the need for new power plants, and energy imports.
- The reduced energy demand can provide more flexibility in choosing the most preferred methods of energy production.
- Energy conservation is often the most economical solution to energy shortages.
- Energy conservation facilitates the replacement of non-renewable resources with renewable energy.
- Effects of climate change can be minimized by reducing emissions through energy conservation.









ASSESSMENT







REFERENCE





Reference Book:

- 1. S.P. Sukhatme, 'Solar Energy', Tata McGraw Hill Publishing Company Ltd., New Delhi, 1997. (UNIT II)
- 2. G.N. Tiwari, 'Solar Energy Fundamentals Design, Modelling and applications', Narosa Publishing House, New Delhi, 2002. (UNIT II)
- 3. S.M. Muyeen," Wind Energy Conversion Systems: Technology and Trends", Springer 2012. [UNIT III]

Text Book:

- 1. G.D. Rai, 'Non Conventional Energy Sources', Khanna Publishers, New Delhi, 2006. (UNIT I V)
- 2. D.P.Kothari, K.C.Singal and Rakesh Ranjan,"Renewable energy sources and Emerging Technologies", PHI Pvt. Ltd., 2009. (UNIT I-V)





THANK YOU!!

