

# G.PULLAIAH COLLEGE OF ENGINEERING & TECHNOLOGY: KURNOOL

## The ISTE Faculty Chapter of GPCET

Report Submitted to : The Head Quarters, ISTE

Name of the Program Organized : Guest Lecture on Energy Conservation and Management in Industries and Commercial Buildings

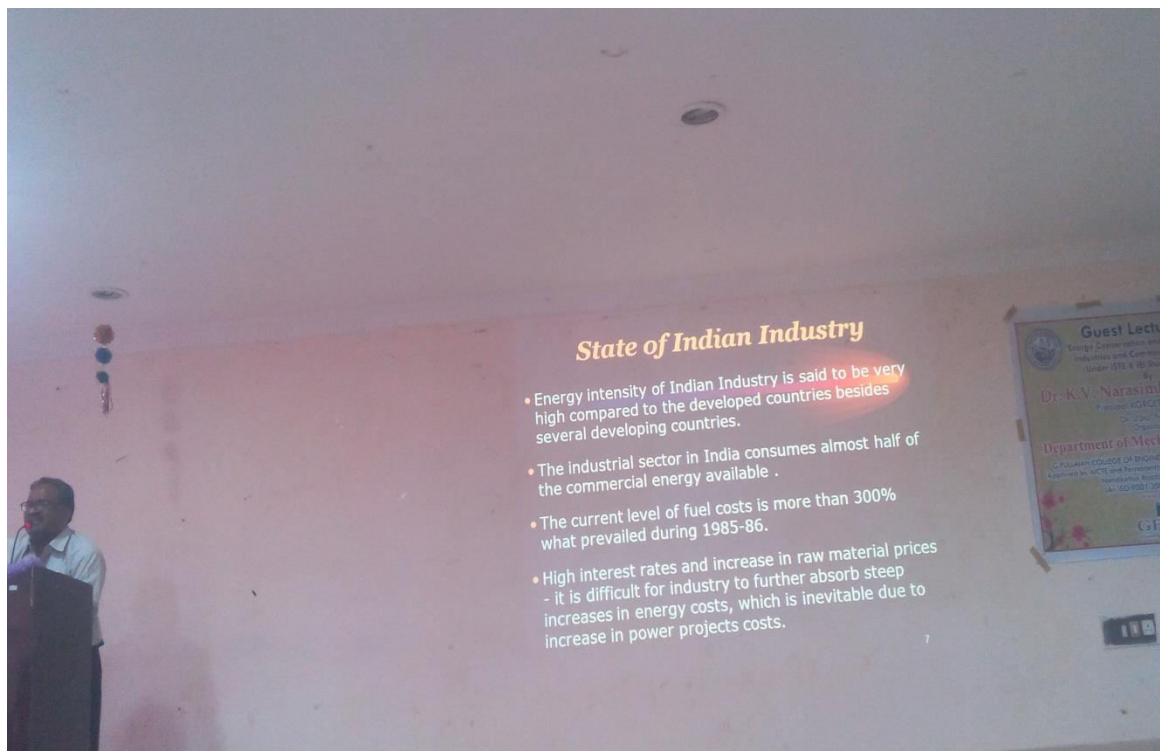
Venue : The College Auditorium

Date : 2<sup>nd</sup> February 2016

Resource Person : Dr K. V. Narasimha Rao, Principal, KGR CET, Chilkur, Hyderabad.

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The Department of Mechanical Engineering has conducted a Guest Lecture on the topic “Energy Conservation and Management in Industries and Commercial Buildings” which was held on 2 February 2016. Dr S. PREM KUMAR, In-charge Principal, GPCET was the chief guest for the inaugural session and has advised the participants to get maximum benefit out of this session. The students of both Mechanical Engineering and Electronics and Electrical Engineering participated in this Guest lecture. The eminent speaker Dr. K.V. Narasimha Rao garu started the session with good beginning. Sir has explained in detail how people in India faced oil shocks i.e. shortage of oil fuels during 1980 to 1990.



Due to these oil shocks India has to pay lot of tax on the oils that we are importing. During that time Indian economy was not in a position to pay the amount and import oils.



Not only India at that time almost all the countries faced the same shortage of oils over a period. Then whole world started looking for alternative energy sources. Then solar energy came into picture which is renewable energy.



The solar energy was the first renewable energy came into existence in India. This solar energy we started converting into electrical energy. This energy is used for multipurpose by extracting solar energy into solar panels. In this way India's economy rose up and we were out of threat of taxpaying on the oils imported from other countries.



From 19 Century to till now we have started using many number of renewable resources. We are now in a position to export our goods to other countries. But though we are educating people many are not aware of renewable sources of energy till now.



Many people unknowingly are wasting renewable sources of energy. But if this is the case also these resources get extinct and there would be big wars between countries for water etc.



All the participants were highly happy to be a part of this program and gained some points how to use non renewable sources of energy in place of renewable source of energy.