KL UNIVERSITY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DATE **:** 4-05-2016

TIME **:** 5:30 P.M to 7:30PM

EVENT **:** Staff Colloquium

TOPIC **: "Design and Development of hybrid renewable energy system with solar, wind and small hydro Resources**".

VENUE **:** E105, K L University

ORGANISED **:** Power Electronics Research Group**,** E.E.E Dept.

FACULTY INCHARGE **:** G.Mamatha

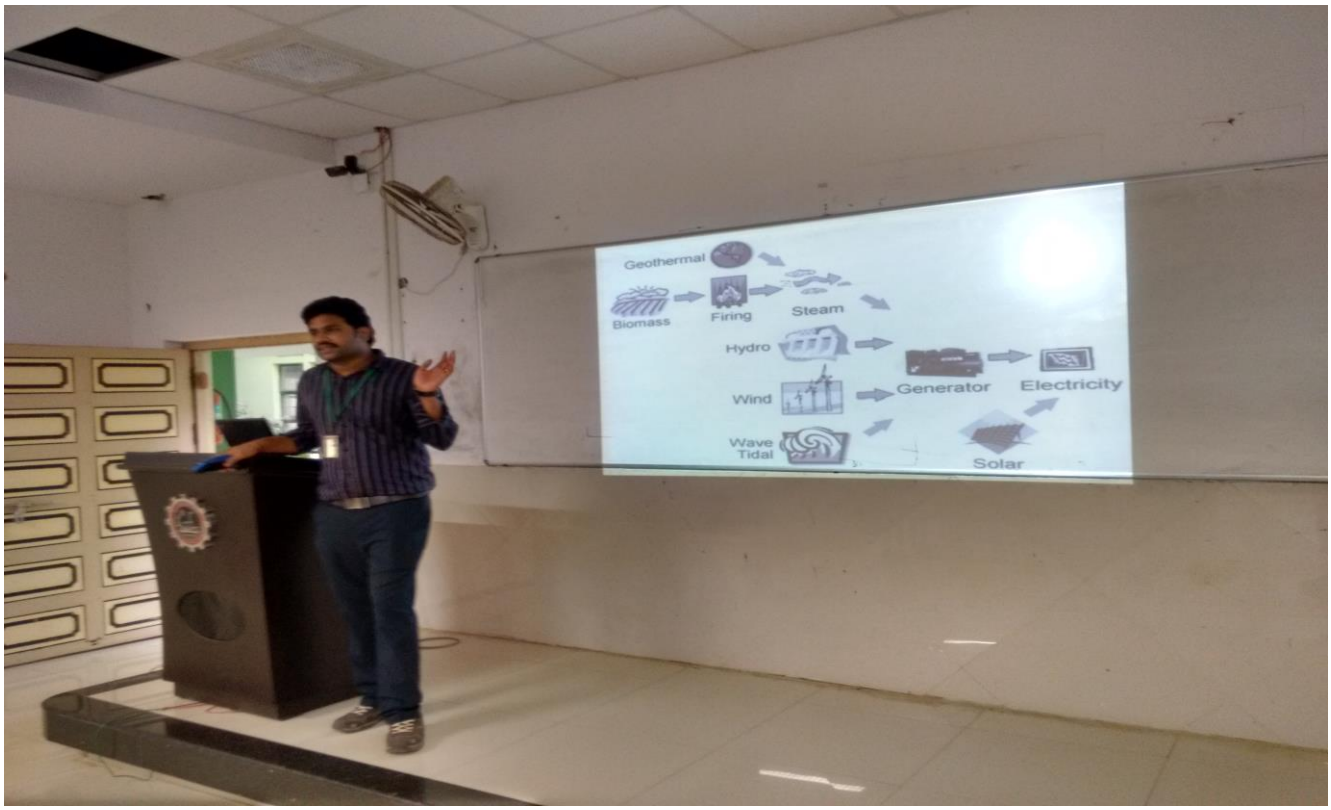
EVENT DESCRIPTION:

"Staff Colloquium" is an activity organized by**,** Dept. Of E.E.E of K L University on 4-03-2016 from 5.30 P.M to 7:30 P.M. The Seminar is given by Mr. G. Srinivasa Rao, Asst.Professor, Department of Electrical Engineering, KL-University. The topic of the Seminar is **"Design and Development of hybrid renewable energy system with solar, wind and small hydro Resources**"**.** In order to contribute to the Power Electronics Research group mission, Seminar is organized in EEE Department to bring awareness among the faculty, E.E.E department of K L University regarding the Different Power Electronics Research Areas.

SEMINAR IN BRIEF:

Hybrid power systems use local renewable resources to provide power. Hybrid Power Systems incorporate several electricity generating components with usually one major control system which enables the system to supply electricity in the required quality.Components for electricity generation can utilize renewable energy sources like wind turbines, photovoltaic, solar thermal, hydro power, wave power or biomass power stations, etc. Furthermore, fossil power plant like diesel generators, gas turbines or fuel cells etc. can be added.The term Hybrid Power System does not give any information about the size of the energy system. Generally, Hybrid Power Systems are considered to supply loads in the size of several watts up to several megawatts. They usually supply island networks that are not connected to an integrated grid covering countries or even continents – but represent small grids with a limited number of consumers. Due to the resulting fluctuating consumption pattern several specific features are required concerning the electricity supplying Hybrid Power System

PHOTOS:



Asst.Prof.G.Srinivasa Rao delivered a Seminar on "Integration of Bidirectional Inverter with Buck/boost converter for DC Distribution systems "

Faculty of Power Electronic Research Group of Electrical Department listening the Seminar

Faculty Incharge **HOD,EEE**