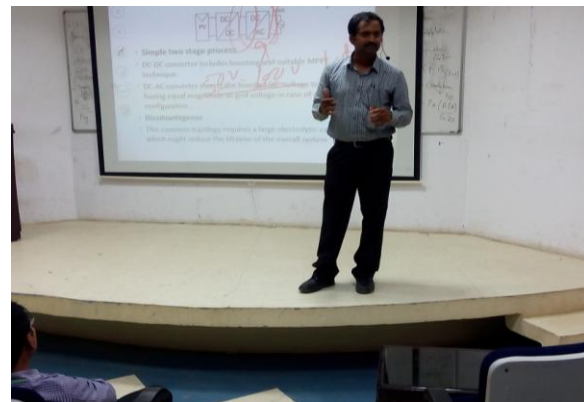


**K L University**  
**Department of Electrical & Electronics Engineering**  
**Report on Guest Lecture**

**Dt.:25-03-2015**

**Resource Person** : Dr. K. Siva Kumar Ph.D.,  
**Date** : 25-03-2015  
**Topic** : **Renewable Energy Systems**  
**Venue** : Jasmine Hall, K L University

**Introduction to Resource Person:** Dr. Siva Kumar K, Assistant Professor, Department of Electrical Engineering, IIT Hyderabad, did B.Tech from S V University, Tirupathi (A.P), M.Tech. from NIT Warangal and Ph.D from CEDT (IISC), Bangalore . His Areas of interest are Multilevel inverters, Open end winding induction motor drives, Switched motor power conversion, Micro grids, Power quality and control.



Guest lecture details: Dr. K. Siva Kumar started his guest lecture with an incident occurred when he purchased a car during his stay in IISc, Bangalore. Through this incident he focused on the essentialness of practical knowledge. Then he discussed how he formulated a problem for his Ph.D work while he was travelling in a bus. He has taken a buck converter and with some modifications in the circuit could work the same circuit for ac and dc output. He said there should some innovative thinking about the alternative storage systems rather than relying on batteries, since they are bulky and regular maintenance is essential. He said we should come out with a new a idea, our thinking should to the core level and involvement and dedication is compulsory. He discussed advanced multilevel inverters, he dc line for residences and commercial establishments. His lecture was highly motivational and inspiratory. The lecture was attended by EEE faculty members students belonging to B.Tech III year (Power electronics and Controls) stream- 66 students and M. Tech (PE & PS) - 59 students. Y. The lecture started at 10.30 am. and ended at 12.30 pm.