

**KL UNIVERSITY**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**REPORT ON ORIENTATION LECTURE**

Resource Person : **Mr.S.Raviteja**  
**DATE** : 18-02-2017  
**EVENT** : Orientation Lecture  
**TOPIC** : “A Seven level Switched Capacitor Inverter”  
**TIME** : 11.00 A.M  
**VENUE** : EEE Dept., K L University  
**ORGANIZED BY** : E.E.E Dept.  
**FACULTY INCHARGE** : G.Mamatha

**EVENT DESCRIPTION:**

‘Orientation Lecture’ is an activity organized by Dept. of E.E.E of K L University on 18-02-2017 from 11.00 A.M to 12:00 A.M. The Orientation Lecture is given Mr. S.Raviteja, EEE Dept., KL University. The topic of the Orientation Lecture is “A Seven level Switched Capacitor Inverter”. In order to contribute to the Department mission, Orientation Lecture is organized in our campus premises to bring awareness among the faculty and M. Tech. students on “A Seven level Switched Capacitor Inverter”.

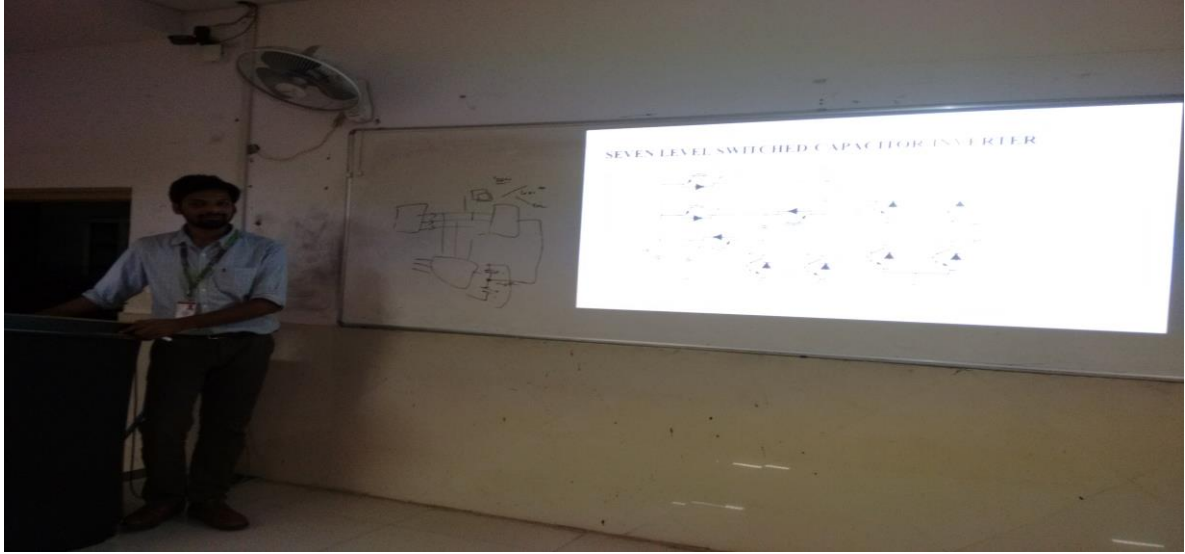
**SESSION ACTIVITIES:**

The Department has made the necessary arrangements for the Orientation Lecture activity in the lecture room (E005) for commencement of the event in scheduled time. All the faculty and M. Tech. students are asked to move to lecture room before 11:00 AM and the attendance of the students is collected in the lecture room.

**SEMINAR IN BRIEF:**

The seminar presents research work on novel multilevel inverter. A seven level inverter with H-bridge inverter at the final stage and variable DC bus voltage by switching capacitors is presented. The principle of operation, modes of operation, estimation of capacitances and simulation results are explained in detail. The topic also covered challenges is experimenting the above inverter. Another work on dc capacitors voltage stabilization for five level inverter based statcom for dc offset in load is also presented.

**PHOTOS:**



**Assistant Professor, Mr.S.Ravi Teja delivering seminar on  
“Seven level switched capacitor inverter”.**



**Honourable Chancellor of the K L University Prof. M. Rama Murthy and Head of the  
Department Prof. O. Chandra Sekhar listening the lecture along with the faculty and  
students.**

Faculty Incharge

HOD, E.E.E