GOVERNMENT COLLEGE OF ENGINEERING KARAD

(An Autonomous Institute Of govt. Of Maharashtra)

Electrical Engineering Student Association (EESA)

Report on Workshop of Proteus Software

Class: F.Y. B.Tech Electrical

Date : 18 Sept. 2018   Time : 04:00 pm -06:00 pm

About Proteus Software :

The **Proteus Design Suite 8.8** is a proprietary software tool suite used primarily for electronic design automation. The software is used mainly by electronic design engineers and technicians to create schematics and electronic prints for manufacturing printed circuit boards. It was developed in Yorkshire, England by Labcenter Electronics Ltd and is available in English, French, Spanish and Chinese languages.

Second year student giving presentations related to proteus software

The Proteus Design Suite is a Windows application for schematic capture, simulation, and PCB (Printed Circuit Board) layout design. It can be purchased in many configurations, depending on the size of designs being produced and the requirements for microcontroller simulation. All PCB Design products include an autorouter and basic mixed mode SPICE simulation capabilities. Schematic capture in the Proteus Design Suite is used for both the simulation of designs and as the design phase of a PCB layout project. It is therefore a core component and is included with all product configurations.

Workshop on analog and digital circuits design using proteus software:

EESA organised workshop on proteus software on **18 sept** for student of first year electrical engineering. Workshop was conducted by Second year students under the guidance of Prof.U.S. Patil. We guided the participants about importance, applications, design and implementation of various analog and digital circuit for their project works. The participants were benefited with hands on session on various modules of analog and digital circuits .It will help students to develop and design their basic projects using proteus software. Prof. P.S.Pawar and prof. A.S. Kulkarni gave their guidance to the students. This workshop is held in the department of electronics and telecommunication

Number of students present: 39

Points covered during workshop :

1. Introduction to Tool Bar.

2. Basic circuit designing.

3. Digital circuit building

4. KCL and KVL analysis

5. Observing current and voltage waveforms

First year students performing various operations of circuit using proteus software

Team of second year student who arranged the workshop with Prof.P.S.Pawar