Report of Workshop on VirtualLab

Name of Workshop: Virtual Labs

Date of Conduct: 01/10/2015, 1.30 pm to 5.30 pm

Faculty Coordinators: Prof. Jaymit Pandya, Prof. Jay Vala, Prof. Vinita Shah

Class: B.E. 2nd Year, 3rd Year

Number of Participants: 81 students

Department of Information Technology has organized a workshop on VirtualLab for 2nd and 3rd year students. 81 students had participated in event on above mentioned date.

Students were given idea about VirtualLab. After that practical session was conducted.

Following subjects were covered in practical session.

1) Programming
2) Data Structure
3) Digital Logic and Design
4) Database Management Systems
5) Cryptography
6) Computer Graphics & Image Processing

In programming part, students observed about proper coding techniques. They also learned about how compile and run program in VirtualLabs.In Data Structure, students performed experiments of use of data structure in different algorithms. They also learned complexity for various experiments and best case, worst case, and average case ideas.

In Digital Logic and Design, simulation of circuits using VirtualLab was performed. Students performed simulations of different circuits like half adder, full adder, counters etc. In Cryptography, students were given idea about subject. They saw visual presentations and found out idea about key, key exchange, encryption, decryption etc.In Computer Graphics & Image Processing, experiments on matlab were performed. They performed simulation and also got basic idea about image processing.

At the end of visit, students gave feedback that they learned about many new ideas. They also told that they will also use VirtualLab in future.

Prof. Jaymit Pandya   **Prof. Jay Vala**   **Prof. Vinita Shah**
Faculty Coordinator   Faculty Coordinator   Faculty Coordinator