



# Capital University of Science and Technology

## Department of Electrical Engineering

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### **Visit Report of Industry Professional to CUST EE Labs**

In response to the action tasks of Industrial Outreach meeting of Dr. Aamir Iqbal Bhatti with Dr. Muhammad Ashraf, convener EE Department held on May 8, 2019, Mr. Shahzad Khan, Creative Electronics, visited Capital University of Science and Technology, Islamabad on Tuesday May 14, 2019 at 10:00 AM.

The industry professional visited the Electrical Machines lab and gave his valuable suggestions about how to comply machines lab according to industry and market requirements. The basic objective to update the lab experiments was to improve the chances of students hiring and to produce the quality graduates to overcome the present challenges of Pakistan.

Dr. Muhammad Ashraf, Professor EE department, Muhammad Naeem and Osama Akbar Raja, Lecturers EE Department welcomed the honorable guest. After the detail analysis and discussion, following suggestions were raised by the guest.

1. Basic concepts of Variable Frequency Drive such as soft start, soft stop, acceleration, deceleration and different applications should be included in the experiments list.
2. Feedback control with variable frequency drive should also be taught to students.
3. Electrical machines lab should be equipped with oscilloscopes so that the students get better understanding of phasors.
4. Software simulation should be assigned in various assignments so that students get some experience of using modern software.
5. Individual tasks to be assigned to the students for better outcomes.
6. Experiment titles should be self-explanatory.

Dr. Muhammad Ashraf thanked the visitor for his feedback and suggestions. Mr. Shahzad Khan committed to visit the EE department for other labs in future.

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