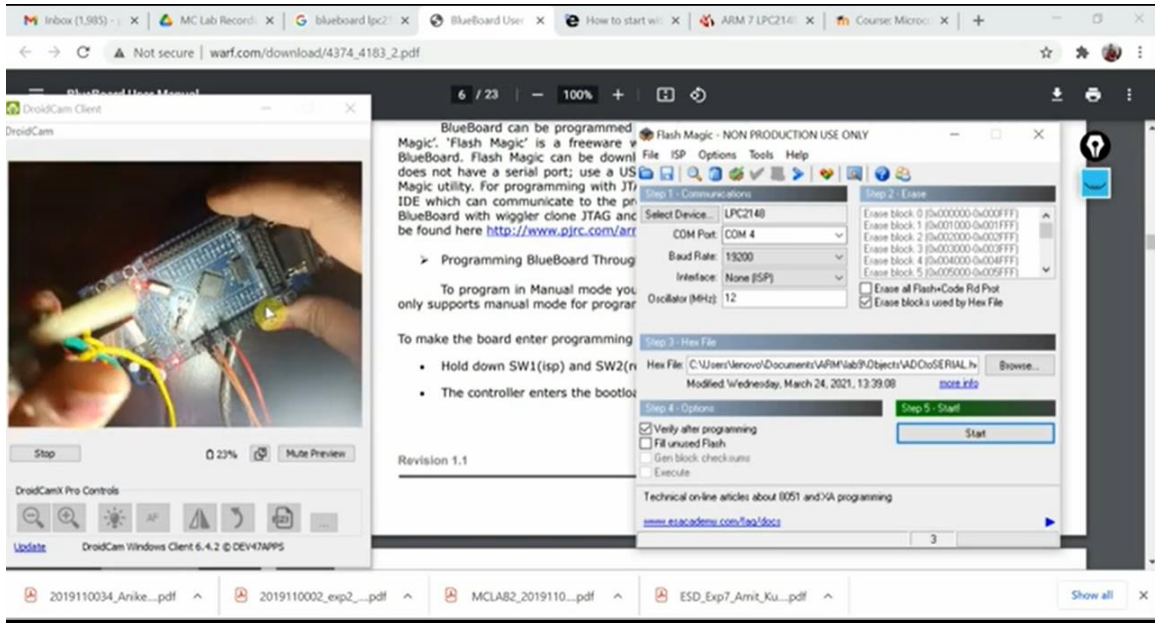
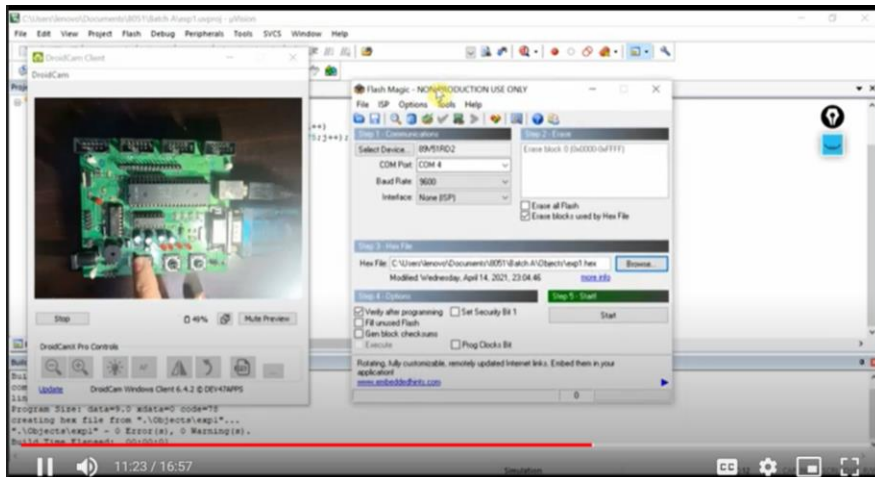


Report on Innovative teaching learning
Hardware demos for Microcontroller Laboratory
Faculty: Prof. Priya Deshpande

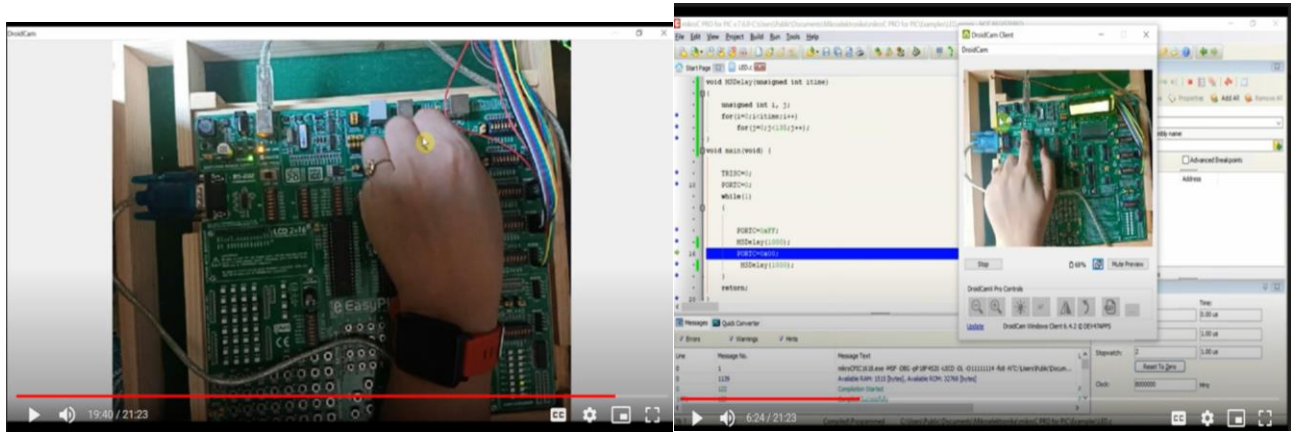
Sem IV, ETRX Subject: Microcontroller (ET 206/ EC 206), Academic Year: 2020-21



Giving demo on LPC2148 ARM 7 kit



Demo on 8051 kit



Demo on PIC18F kit



Summary of Session:

All the experiments list mentioned in the syllabus were hardware based, but due to online teaching learning we have to shift to simulation experiments. Students were curious to know about the hardware mentioned in the experiments, So online demonstration on hardware setup were arranged and all the list of experiments were replicated on hardware. The copy of recording is shared with student so that they can refer it in future. This can also help in understanding the microcontroller programming during projects.

The problem statements given to the students were complicated and this make students to be interested in the subject.

Link of recorded sessions Conducted:

https://drive.google.com/file/d/1LqXOOVuA6DhAsvW5COAd6zaPTc8Q09_6/view?usp=sharing

<https://drive.google.com/file/d/1Mrz3D97cnvfEudoY3dz57z91MnMK8hqX/view?usp=sharing>

<https://drive.google.com/file/d/1DRxUfy8l2kPCjHmA943tT9pPNPZLAJ8A/view?usp=sharing>

Comments from Students:

Any Comments or any experiment you want to add or replace in experiment list

66 responses

Very well explained/demonstrated

Though for the etrx batch problem statement were little tough but it was taught so well that we all to complete the problems easily and helped us in the ISE's too

Nothing

overall experiments and the way of conduction was good. as far as the experiments are concerned there were 2 experiments in different microcontrollers that involved the same sort of concept so that can be replaced by some other experiment.

Thank you so much ma'am for teaching us so well.

satisfied with current list

none

Some experiments should be had as "do it yourself" thus allowing more advanced experiments to be performed in the lab sessions, and giving students much more experience

