This the first time a large capstone design course like this one is offered wholly online. It was feasible thanks to the efforts of many people that I must acknowledge.

**BME/ECE/SENG Students**

Our students had to surmount several unforeseen hurdles like finding teammates when nobody was at the same location and same time simultaneously! Nevertheless, they were able to form groups and conduct design projects that are impressive. One has to browse this website to appreciate their efforts.

**Project Supervisors**

Supervisors who volunteered to supervise and be in contact with the design groups under their supervision and evaluate their design work and expenses.

**Course Teaching Assistants**

Our TAs had to deal with a new mode of work online and ensure a clean interface between student groups and their supervisors. They had also to evaluate groups’ work and enter their grades

**Project Judges**

Our judges had to go through 56 projects posters and videos to evaluate and select the three top projects. Their recommendation helped assign the Kelly B. Manning Design Award to these groups.

**ECE Chair and ENGR Dean**

Our Dean and ECE Chair helped by assigning sufficient TAs and a co-instructor to help with the interface with supervisors, project judges and course TAs.

**ECE Administrative Officer**

Mr. Mai provided great help in hiring sufficient TAs to manage the course and dealt with reimbursing students for their expenses during conduct of their work. He was very patient with my frequent requests.
Course Instructor

Several difficult decisions had to be dealt with for the first full online offering of such a large capstone design course. Some of the questions that had to answered are:

1. Will there be only one design project for 210 students to do or will each group be free to choose their own project
2. How will students be able to form groups when none of them is on campus
3. How will students decide on design projects and inform other students of their proposed projects
4. How will groups access test/design/manufacture labs in the face of social distancing and have access to technical help
5. How will students’ work be highlighted to the general public and to the project judges at a time when social distancing forbids shown the work in an open house at the engineering lab wing lobby
6. What is the deliverables that would be fair to judge students’ work given the new online delivery method