

Online Robotics Laboratory Framework for Interactive and Hands-On Learning

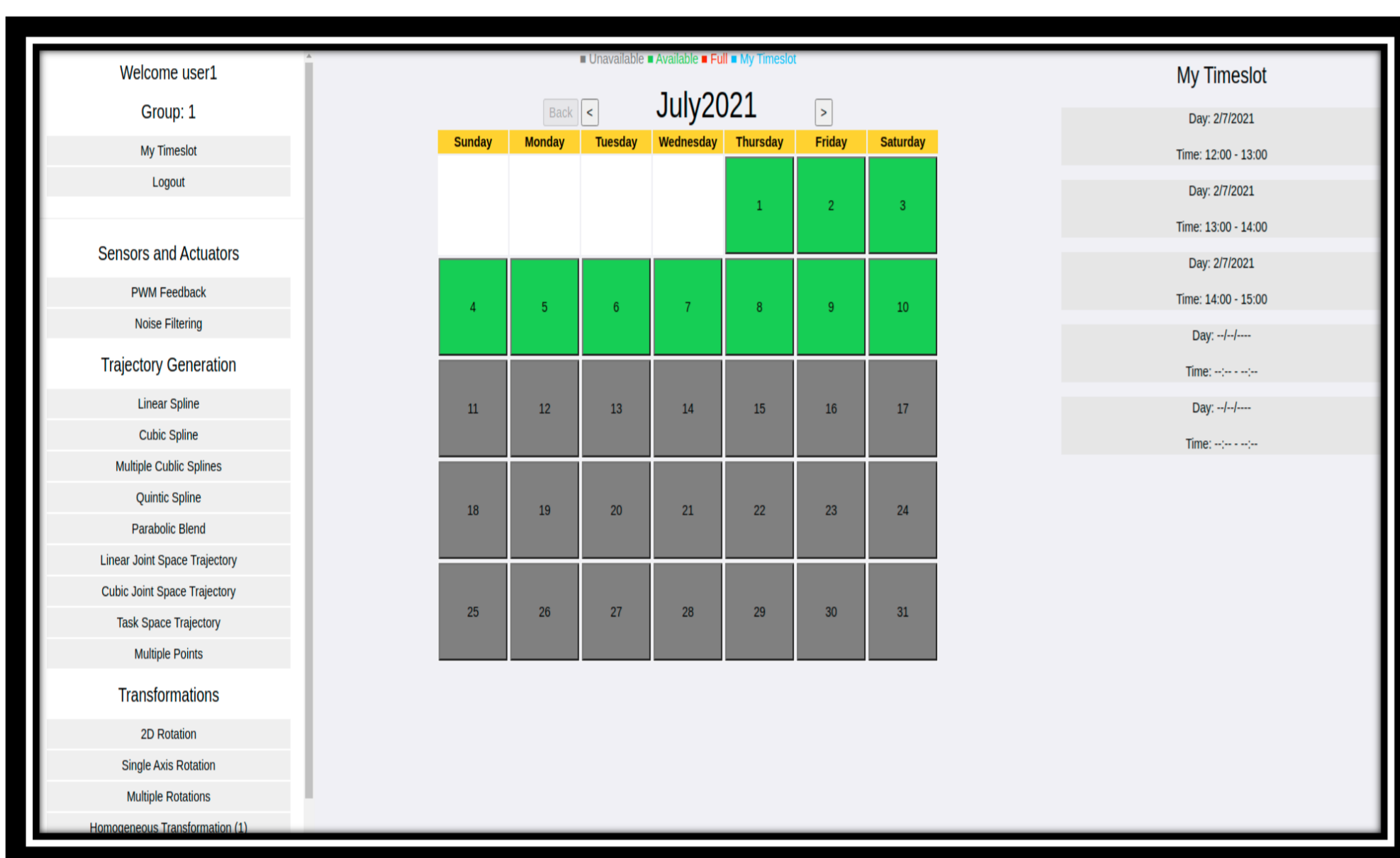
Ken Hui (CSE), Ken Kwok (MAE), M. Usman M. Bhutta (MAE), Darwin Lau (MAE), Jimmy Lee (CSE)



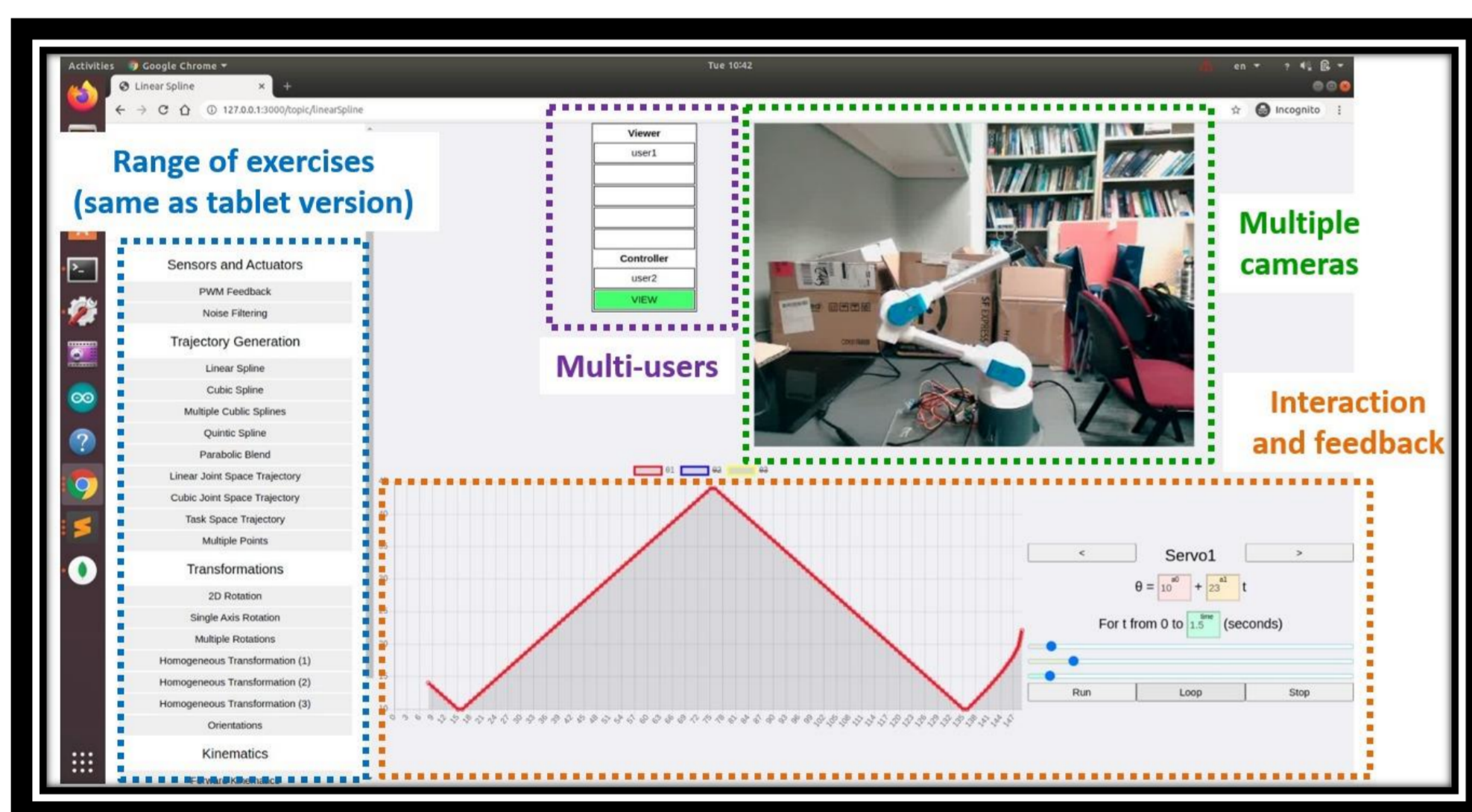
- Up to 20+ exercises
- Multiple timeslot for user to select
- Work with another student & learn from them
- Hands-on learning is not limited to space

Web-based Monitoring & Controlling System For Robotics Arm

Collaborative and Online Learning



1) Book a Time Slot via online portal



2) Control the Arm

Kinematics

Transformations

Trajectory Generation

Anytime

Learning is not limited to 3 hours laboratory per week



Worldwide Collaborations

Setup with 5 robot arms is ready for teaching MAEG3060 in 2021-22 and we are engaging universities around the globe to pilot trial the learning experience.

