



Social ThisCanSync

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Abstract—The problem is related to the obstacle of controlling students who are so active in the classroom during projects or discussions where the teacher is unable to control the movement of students who are feared to be able to intrude on other students' social work. Social distancing is a worrisome for the great risks of infection and transmission of COVID-19 outbreaks. Thus, this innovation is to resolve the challenges a teacher faces in keeping active students engaged in the classroom. The innovation called SOCIAL ThisCanSync was installed in one class using Arduino kit and also tools that combined NOD MCU, buzzer, LDR and LED to complete the functionality of the system. The idea of this innovation is taken from the thief trap tool that is often used to detect thieves who violate laser light. Since social distancing plays an important role, more user-friendly applications of the innovation will be built in the future. The production of this innovation can be mass-produced and be used throughout Malaysia to maintain social distancing especially during the Pandemic COVID-19 which is increasingly worrying and we are still battling it.

Keywords—*Distancing, Social, Active, Control, Sited*