

SCHEDULE FOR iSTEM-ED 2021 STUDENT PROJECT PRESENTATION (SESSION A)

Wednesday, November 10, 2021, 1.30-4.30 p.m

**Zoom Meeting Link: <https://zoom.us/j/95357360404>, Meeting ID: 953 5736 0404
(15 Participating Schools)**

Presentation Schedule	Project No.	School	Project Advisor	Student 1	Student 2	Student 3	Project Title	Subject
1.30-1.40 p.m.	A01	Chiang Mai University Demonstration School	Sakon Sansongsiri	Bhudis Smithikrai	Nissorn Thonkunthod	n/a	Cold Plasma Treated Cellulose Fiber Air Filter	Engineering
1.40-1.50	A02	Princess Chulabhorn Science High School Lopburi	Mrs.Wipawee Srihanon	Mr.Napon Meewattana	Mr.Apiwat Kratudnak	n/a	The Portable Dark Field Microscope	Engineering
1.50-2.00	A03	Naresuan University Secondary Demonstration School	Asst. Prof. Dr. Gareth Ross	Miss Phurichaya Pechphung	Miss Atitiya Eaksittichok	n/a	Development of Photodynamic Therapy Hydrogel Wound Dressings with Rose Bengal Photosensitizer	Science
2.05-2.15	A04	Damrongratsongkroh School	Sutipong Jaikaew	Thanawit Namjaidee	Future Kongchu	n/a	Bio-Moisture-Nutrient Absorbing Belt for Promoting the Sugarcane Seedlings Growth from the Local Waste	Science
2.15-2.25	A05	Donchanwittayakom School	Mrs.Saranya Panpradab	Mr.Anuphong Khunkhang	Mr.Amarin Nantain	Ms.Paphadsara Buttawong	Technique to increase yield of Pan Pichit lime (Citrus aurantifolia Swingle) by applying soil properties data together with automation system.	Science
2.25-2.35	A06	Kanchanapisek Wittayalai Suphanburi School	Miss.Kanittha Pancha	Miss.Napatsakorn Changkiaw	Miss Chutima Chinwongchan	n/a	Development of water chestnut skins fertilizer pellets for subsoil water storage using water replacement method and for increased soil pores from gas and nutrients for rice farm	Science
2.35-2.45	A07	Kasetsart University Laboratory School Center for Educational Research and Development, Bangkok	Ms.Krissana Pokpun	Ms Nat Wongsirimaetheekul	Mr. Sirapop Attapun	n/a	The Effect of Using Cationic Modified Starch as a Coagulant in Wastewater Treatment System from a Chicken Processing Factory.	Science
2.45-2.55	A08	Mahidol Wittayanusorn School	Ms. Pimpin Tainsittipong	Miss Boonyanuch Hiruntanes	Miss Monsicha Tangsiripinyo	n/a	Study of the optimal ratio of Carbopol and natural pectin to form a gel texture for alcohol hand sanitizer	Science
***** 2.55-3.10 - 15-minute break *****								
3.10-3.20	A09	Princess Chulabhorn Science High School Phetchaburi	Nattaporn Klinput	Nakorn Srihong	Chanathip Sunthorn	Pasit Soontarawan	Natural Fiber Reinforced Polymer Composite for Bulletproof	Science
3.20-3.30	A10	Demonstration School University of Phayao	Thitinun Gasosoth	Chanachon Chanchot	Punyapat Takum	Kitmongkol Rattanathaworn	Design and Development of Quad Copter for Observation and Extinguishment of The Forest Fire	Science, Technology, Engineering
3.30-3.40	A11	Kalasinpittayasan School	Mr.Chumpon Chareesaen Ms. Nuttarika chaisatit	Mr. Chatchanan Panyaprasitkit	Mr. Chollasak Anuwareephong	Ms. Chanantida Tiputhai	Study of chemical and physical factors of Macrobrachium rosenbergii De Man pond water. for the development of the notification system. Automatic, together with quality improvement equipment, solve the problem of early mortality syndrome.	Science, Technology, Engineering, Mathematics
3.40-3.50	A12	Piboonbumpen Demonstration School	Dr.Thanongsak Thepsonthi	Nutchapol Kongwiwattanakul	n/a	n/a	The Fabrication of easy-to-use FDM 3D Printing Machine	Technology
3.55-4.05	A13	Princess Chulabhorn Science High School Chonburi	Mr. Vichien Donram	Mr. Kamonlapoo Rittidech	Mr. Winwaratch Charoenkongsakul	n/a	The development and applied organic agricultural system, Smart farming, IOT to support the prototype of a plant factory for household use in urban life.	Technology
4.05-4.15	A14	PSU.Wittayanusorn Surat Thani School	Jirapond Muangpratub	Kittipong Tapyou	Pannawich Chaisil	n/a	Time Attendance System for Students Using Face Recognition	Technology
4.15-4.25	A15	Chitralada Vocational School	Ms. Panthita Panthita Palakawong Na Ayuttaya	Chawit Supcharoen	Noppawit Inchan	Intouch Kamnerdratana	Smart Hydroponics Farm with Solar Cell System	Technology