



PCSHS news

Thailand – Japan Student ICT Fair 2019

Opening ceremony

On December 20, 2019, from 10.00-12.00, guests, teachers, and students gathered at Princess Chulabhorn Science High School Mukdahan auditorium for the opening ceremony of the Thailand Japan Students ICT Fair 2019 led by the Minister of Education of Thailand. In the said event, she announced the principal goal of TJ SIF 2019.



Firstly, Kalaya Sophonpanich, the chairman, arrived to Princess Chulabhorn Science High School Mukdahan auditorium. Upon her arrival, the participants watched a presentation about Princess Chulabhorn Science High School. Following this, Mr.Amnat Wichayanuwat, secretary-General of the Basic Education Commission gave welcoming remarks. Next, the Secretary of the Japanese Ambassador to Thailand congratulated the organizers on this event before she opened ceremony. After that, the guests took group photos and watched a video regarding the history of TJ SIF. Lastly, they watched a demonstration about a robot. The participants were very satisfied with the event and provided some suggestions for the event organizers.



The chairman pressing a button to open the ceremony

Dr. Pracha Khamphakdi, lecturer at the Faculty of Engineering, Ubon Ratchathani University (UBU), expressed his feelings toward this events and that he was delighted to have participated in this event. He was also happy to see teachers and students from Princess Chulabhorn high schools and UBU working together.

Dr. Kosol Petchsuwan, advisor to Princess Chulabhorn Science High Schools, said that this was a good event and gave the event organizers a few suggestions. "We should keep both negative and positive feedback from the participants so that we could improve ourselves in terms of organizing and managing things", he said.



Student from PCSHSC giving an oral presentation of their project

The selected Japanese ICT project

On December 20, 2019, from 10.45 to 11.00 a.m., some of the Japanese students described their project that was chosen by sharing the ideas and methods used in doing the project, at Princess Chulabhorn Science High School Mukdahan in an oral presentation.

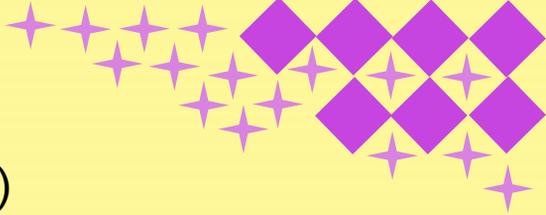
The project by Yuto Tsukidate, Ryuku Sato and Yuto Toda that was titled "Tsunami - Arrival Monitoring System". It was made to track water levels so that people would be able to know the possibility of a tsunami in real time.

Oral presentation of an ICT project by PCSHS student

At Princess Chulabhorn Science High School Mukdahan (PCSHSM), on December 20th, 2019, there was a presentation from PCSHS students. The presentation was about an Information Communication Technology (ICT) project with the purpose of educating Japanese and Thai students. During the first presentation, the PCSHS students, Mr.Suphakorn Koknoi and Pitchaya Kongkarn from Princess Chulabhorn Science High School Chonburi, presented the Information Communication Technology (ICT) project featuring SMART BIOGAS that can increase efficiency of Biogas systems to be more stable and safer.



Japanese students giving an oral presentation of their projects



Presentation by Japanese Keynote speaker (Mr.Hideya Irie)



Located at Princess Chulabhorn Science High School Mukdahan (PCSHSM), there was a presentation by Japanese Keynote speaker to share the knowledge about Smart Farms and the Internet of Things (IoT) to students.

Following this, participants of TJ SIF 2019, learned about oral presentations and demonstrations of ICT projects by Japanese students. The students heard the presentation by Mr.Hideya Irie from Kumamoto, Japan. The speech was about Smart Farming in Japan by using IoT Crontroling systems, the method of the Internet of Things (IoT) to adapt with the smart farm information to make Smart Farms be able to improve student Information Communication Technology (ICT) projects in the future.



The chairman visits exhibitions of ICT projects

On the 1st floor of the gymnasium, on December 20th, 2019, the student delegates stood at their poster presentations and presented their ICT projects to the chairman, Kanlaya Sopolpanich, and other participants. After that, the chairman took a close look at the posters presenting students' projects.

One of the ICT projects that the chairman visited was Smart Farm where students learn how to grow a variety of plants and observe them. The farm employs ICT technology as a tool to control systems regarding protecting and nourishing the plants. She then visited the Plant Tissue Culture Lab which is a place for the cultivation of plant tissue with synthetic food by controlling light and temperature. The last exhibition visited today was the Stem Laboratory. The lab is divided into two parts which are earthquake detection and robot arms.

After witnessing the projects, the chairman moved to the section of presentations where students presented their projects through posters. There were 140 projects exhibited here. These projects were divided into five categories, namely IoT Application (42 projects), Robotics (19 projects), Smart Electronics (21 projects), Software (43 projects), and Automotive (7 projects). Presenters felt satisfied with their performances.

Mr. Khunanon Rattanagoses, student at PCSHSM, who presented his own project regarding the invention of a device with an ability to translate braille letters, stated that he felt impressed with his performance because he had a chance to present his own project in front of the Minister.



Welcome party

Students and teachers joined the welcome party for welcoming participants to this event, held in the auditorium.

The first activity was a welcome speech. Then they had watched the Thai classical music band. After that was the binding of people's wrist as part of a ceremony called "Bai Sri Su Kwan".

The next show was Ma Noh Ra, which is a Thai traditional dance. In addition, this activity had a variety of Thai desserts which Thai hosts gave to everyone. It was very touching that everyone felt a great sense of joy.

Ms. Yuki Kamaya, student of National Institute of Technology, Toba College, said that it was so great. She was happy and had never seen anything like this before. She also said that Thai desserts were delicious.

Tomorrow's activities

Thai keynote speaker

Oral Presentation

ICT Workshop Section