

**ASEAN Youth Showcase Their Potential
by Competing to Create an AI System Combined with Robotic Arms
for Waste Sorting**



June 18, 2025 – The Ministry of Education organised a hands-on learning activity using the CiRA Core tools and robots as part of the ASEAN Youth Camp 2025 (AYC2025) at the National Science Museum in Pathum Thani Province, Thailand. The event featured expert teams from CiRA ROBOTICS & SIITec, King Mongkut’s Institute of Technology Ladkrabang (KMITL), and Suan Dusit University.



Youth from ASEAN member countries participated in a competition under the theme "Developing an AI System Combined with Robotic Arms for Waste and Trash Sorting." The challenge was to develop an AI system that could accurately function in low-light environments while controlling the robot to pick, grab, and sort waste into the correct bins according to type. This competition highlighted the ASEAN youth's ability to integrate digital technology and robotics. Each team showcased excellent skills in programming, data analysis, and teamwork. The results of the competition were as follows:



The 1st Place winners were the Philippines and Thailand (Princess Chulabhorn Science High School Nakhon Si Thammarat). They received the prize of a 10-year license to use the CiRA CORE system along with the robotic module, with a total value of 400,000 baht per team.

The 1st Runner-up was Singapore, who received the prize of a 7-year license to use the CiRA CORE system along with the robotic module, valued at 280,000 baht.



The 2nd Runner-up was Cambodia, who received the prize of a 5-year license to use the CiRA CORE system along with the robotic module, valued at 200,000 baht.

In addition, all teams that participated in the competition received a 3-year license to use the CiRA CORE system along with the robotic module, valued at 120,000 baht, to promote learning and future innovation. This competition marked another significant step in empowering ASEAN youth to recognize the role of AI and robotics in addressing environmental challenges in a sustainable way.