< KAGAYAKI AWARD FINALISTS (6 Teams) > (November 29 @ KX Building)

| Note: It is in r | andom order. | | | | | |
|------------------|-----------------|---------------------------------------|-----------------------------------|--|---|--|
| Presentation No. | Team Name | Team Leader's Name (First name) | Team Leader's Name (Last name) | Affiliation | Field of Study 研究分野 | Research Title 研究タイトル |
| K1 | MicroNewtonics | Torfun | Vorabunpot | The Newton Sixth Form School | Science | Study of Microplastic Release from Polypropylene Thermoplastic Orthodontic Retainer : A Simulation Study Under Wear Conditions in Water |
| K2 | Manta Ray by KS | Sirathee | ltsarapongpukdee | Kajonkietsuksa School | Engineering | Real-Time Water Pollution Detection with Surface Drones and AI (Sentinel) |
| K3 | SawSense | Peam | Rattanaprapa | Montfort College Secondary Section | Other: Data Science - Artificial intelligence | Development of Al Models for Acoustic Detection of Illegal Logging Activities |
| K4 | One4Ever | Natthawit | Am-in | Sainoi School | Physics | Eclipse of Eclipse |
| K5 | Kurobuta | Phimonnat | Rangsaritweerachot | Princess Chulabhorn Science High School Satun | Biology | An Investigation of Ant Genera and Their Abundance on Experimental Meat Samples under Varying Environmental Conditions for Application in Postmortem Interval (PMI) Estimation |
| K6 | Shrimple | Kawisara | Chumwas | Amatyakul School | Science | Smart medical sutures |

< POSTER PRESENTATION (21 Teams)>(November 29 @ KX Building)

Note: It is in random order.

| Note: It is in | random order. | | | | |
|------------------|----------------------------|---|--|------------------------|---|
| Presentation No. | Team Name チーム名 | Team Leader's Name チームリーダー名(Last name) | Affiliation | Field of Study 研究分野 | Research Title 研究タイトル |
| P1 | VermiLab | | Phanatpittayakarn School | Biology | Effective development of earthworm manure for sustainable agriculture |
| P2 | TAIYO | | Samsenwittayalai School | Science | Smart Insect Repellent System using AI Detection and Ultrasonic Control Powered by Solar Energy |
| P3 | Detective C(on)an cer | | The Essence School | Biology | Al Model to Predict Lung Cancer Risk Factors from Living Environment, Genetic and Lifestyle Behaviors |
| P4 | CatapPlus+ | | Bangkok Christian College | Chemistry | CatapPlus+: Development of Terminalia catappa-Based Bilayer Hydrogel Composed of Sodium Alginate/Carboxymethyl Chitosan and Polyvinyl Alcohol/Polycaprolactone Electrospun Nanofibers for Burn Wound Treatment |
| P5 | Manthoxanteen | | Suankularb Wittayalai Nonthaburi | Other: Biochemistry | Mangosteen Anti Inflammatory pH responsive release Biopolymer Film |
| P6 | POP SIAM | | Kanchanapisek Wittayalai Nakhon Pathom School | Chemistry | Study and Development of a Spoilage Detection Film for Squid Using Phenolic Extracts from Mangosteen Peel (Garcinia mangostana L.) |
| P7 | NeuroFit | | Princess Chulabhorn Science High School Satun | Engineering | Development of an Intelligent Real-Time Platform for Cognitive Fatigue Detection and Preliminary Eye Disease Analysis Using Machine Learning Techniques |
| P8 | Non Nai Dtae Non Na | | BanSuan Jananusorn School | Chemistry | BioLight Shield: A Bio-based UV Protection Patch Derived from Spirulina Algae |
| P9 | KW Superhydrophobic powder | | Kanlayanawat School | Environment | Development of Superhydrophobic Powder from Precipitated Calcium Carbonate (PCC) Enhanced with Carbon Powder from Cassava core for High-efficiency Oil Contamination Adsorption in the Environment |
| P10 | Kkw603 | | Kaeng Khro Witthaya School | Science | Sugar kills ants with a mixture of wormwood and wormwood. |
| P11 | MAKUT Grill | | Mathayom Wat Makutkasat School | Engineering | Development of a Low-Cost Zeolite-Based Filtration System with IoT Monitoring for Smoke and Odor Control in Charcoal Grilling Restaurants |
| P12 | AquaPine Solutions | | Mahidol University International Demonstration School (MUIDS) | Environment | Development of a PVA/Chitosan Composite Biosorbent from Pineapple Crown Waste for the Eco-Friendly Removal of Lead (II) lons |
| P13 | MAKUT IoT Duckweed | | Mathayom Wat Makutkasat School | Biology | Development of a Vertical IoT-Based Wolffia Cultivation System with Automated Nutrient Supply and Water Recycling |
| P14 | PoxScan | | Wattana Wittaya Academy | Biology | PoxScan: Smart Colorimetric Test for Next-Gen Monkeypox Screening |
| P15 | DoublePig | | Princess Chulabhorn Science High School Nakhon Si Thammarat | Other: Materials | Development and Study of Silica Extracted from Rice Husk via Solvent Extraction for Reinforcement of Natural Rubber in Soft Cast Applications |
| P16 | Furfur | | Varee Chiangmai School | Science | Development of products for the treatment of Tinea versicolor for inhibiting the growth of Malassezia furfur on the skin |
| P17 | Go-Rai | | Suankularb Wittayalai School | Biology | Comparison of the Antibacterial Efficacy of Mangosteen Peel Extract and Erythromycin Against Staphylococcus epidermidis for the Development of an Antimicrobial Insertion Site Dressing in Hospitals |
| P18 | Edogawa Conan | | Varee Chiang Mai | Biology | Investigation of the Role of Gut Microbiota in Microplastic Degradation and Accumulation in the Gastrointestinal Tractof Aquatic Animal |
| P19 | KCP forever | | Princess Chulabhorn Science High School Phetchaburi | Chemistry | Metal-organic frameworks (MOFs) materials synthesized using organic ligands derived from the depolymerization of PET plastic waste |
| P20 | CNTPJSANGLOI | | Sriboonyanon School | Physics | Synthesis of Porous Carbon Electrodes Derived from Biomass Waste Lotus Petals for Supercapacitor Applications |
| P21 | AlirCare | | Saipanyarangsit school | Engineering | Al Breath Sound Analysis for Allergy/Asthma Screening via LINE. |
| | | | | | · |