

Student Innovation Challenge Thailand 2018

(List of the teams invited to First Round Competition)

| No | Project Title | Institute / School |
|----|---|--|
| 1 | Automatic therapy wheelchair is controlled via application on smartphone | Kanchanapisek Wittayalai Suphanburi School |
| 2 | Read the Label Medicine | Chaehom Industrial and Community Education College |
| 3 | ไม้เท้าช่วยเดินอัตโนมัติสำหรับผู้สูงอายุ | วิทยาลัยการอาชีพวังน้ำเย็น |
| 4 | รถเข็นไฟฟ้าสำหรับผู้สูงอายุควบคุมด้วยไมโครคอนโทรลเลอร์ | วิทยาลัยการอาชีพวังน้ำเย็น |
| 5 | สามล้อทูอินวัน | วิทยาลัยการอาชีพวังน้ำเย็น |
| 6 | Intelligent Pill Box Development Project | Maharakham University |
| 7 | Pill-sup | Maharakham University |
| 8 | Motivator for Arm Exercise | Mahidol University |
| 9 | SueSan: A Game-based Tool for Enhancing Autism Children's Communication Skill in Thailand | Mahidol University |
| 10 | Brain Speller | King Mongkut's University of Technology Thonburi |
| 11 | D'Guardian: A smart monitoring system for elderly and disabilities | King Mongkut's University of Technology Thonburi |
| 12 | Device for improving movement's efficiency of elder (IME2) | King Mongkut's University of Technology Thonburi |
| 13 | Tiny Urban Vehicle : TU-V | Thammasat University |
| 14 | Elliptical Trike | Thammasat University |

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| 15 | EZStand Walker | Thammasat University |
| 16 | The Design of Gait-Assisted Device with Partial Body Weight Support for Children with Cerebral Palsy and Muscular Dystrophy: Space Walker Special | Thammasat University |
| 17 | Virtual Reality System of Mobile Arm Support Robot for Upper Limb Rehabilitation Based on Game Universal Design | Thammasat University |
| 18 | IHearYou application | Srinakharinwirot University |
| 19 | Racing game for the rehabilitation of the hands muscles of Stroke patients using Stress Ball | Silpakorn University |
| 20 | Magic cosmetic – Serie of cosmetic for Arthritis patient | King Mongkut’s University of Technology Thonburi |
| 21 | “WRISTHOPE” the wristband that help elderly don’t forget to take the medicine | King Mongkut’s University of Technology Thonburi |
| 22 | Innovative wheelchair v.2 (Inw.2) | King Mongkut’s University of Technology Thonburi |
| 23 | EMG-FES cycling system for Spinal Cord Injury patients | Mahidol University |
| 24 | Thai Sign Language Recognition and Translation System Based on Myoelectric Signal | Srinakarinwirot University |
| 25 | Mental Well Being (Sodsai) | King Mongkut’s University of Technology Thonburi |
| 26 | Braille keyboard application for android operation | Mahidol Wittayanusorn School |

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|----|---|--|
| 27 | KORNER | Chulalongkorn University |
| 28 | Land Strider Cane | Srinakharinwirot University |
| 29 | DUEX | King Mongkut's University of Technology Thonburi |
| 30 | Develop Thai Braille's translator program and Develop Braille's font in Thai and English language | Princess Chulabhorn's College Chonburi |
| 31 | InSitE - The UWB-Based Indoor Location Tracking System for Institutional Elder Care | The University of the Thai Chamber of Commerce |
| 32 | Bed Cycling for bedridden | King Mongkut's University of Technology Thonburi |
| 33 | Physical Therapy Equipment for patient who's muscle weakness and Bedridden patients | Phimanphitthayasan School |
| 34 | Mole Spotted | Chulalongkorn University |
| 35 | Skinnovision | King Mongkut's Institute of Technology Ladkrabang |
| 36 | Drip: Seasoning control device for measuring bottled sauce | King Mongkut's University of Technology Thonburi |
| 37 | SoundSense | King Mongkut's University of Technology Thonburi |
| 38 | Sit to Stand Platform: Rehab-Platform for the elderly to be healthy | Thammasat University |
| 39 | The voice recognition and stress detection system for intelligent wheelchair: InwWheelchair | Srinakharinwirot University |