

CITREX pameran penyelidikan FKP UMP

Kuantan, 7 Februari – Seramai 38 projek penyelidikan Fakulti Kejuruteraan Pembuatan (FKP), Universiti Malaysia Pahang telah menyertai dan mempamerkan hasil penyelidikan dalam Pertandingan Reka Cipta, Kreatif dan Inovasi (CITREX 2018) yang berlangsung selama dua hari di Kompleks Sukan UMP Gambang baru-baru ini.

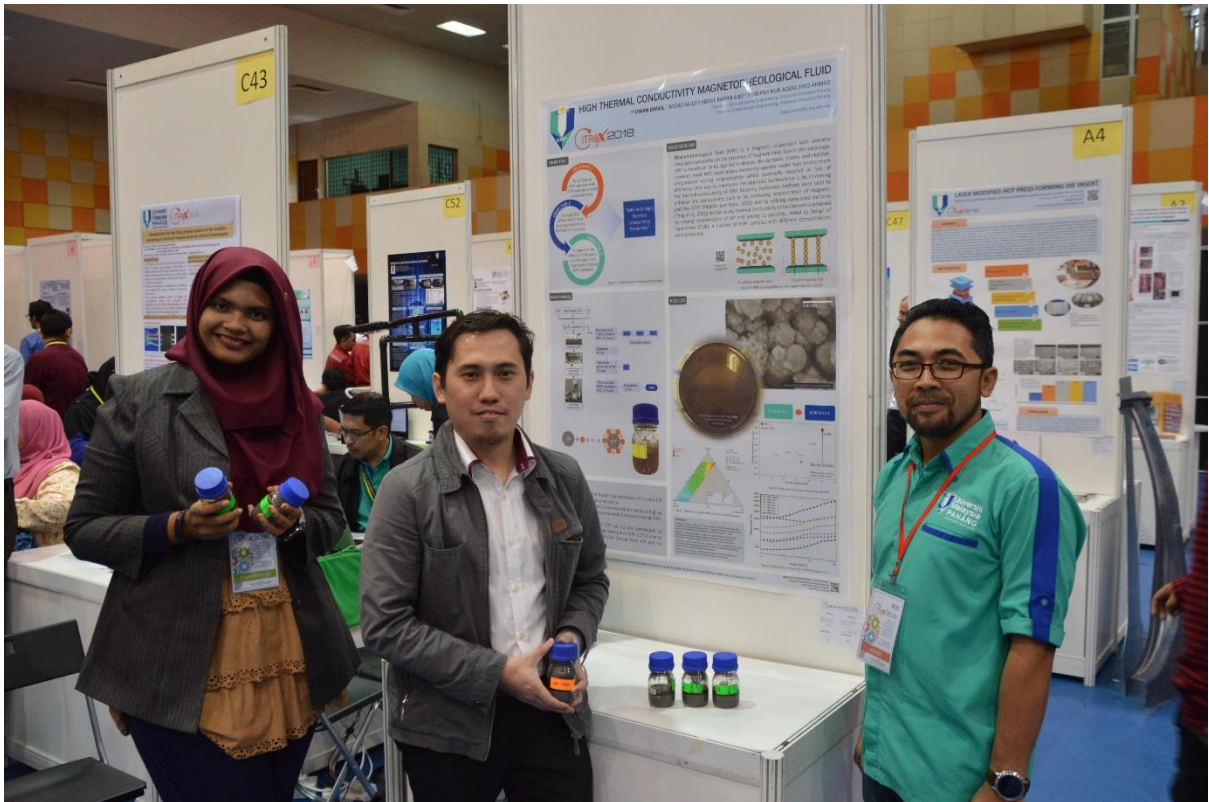
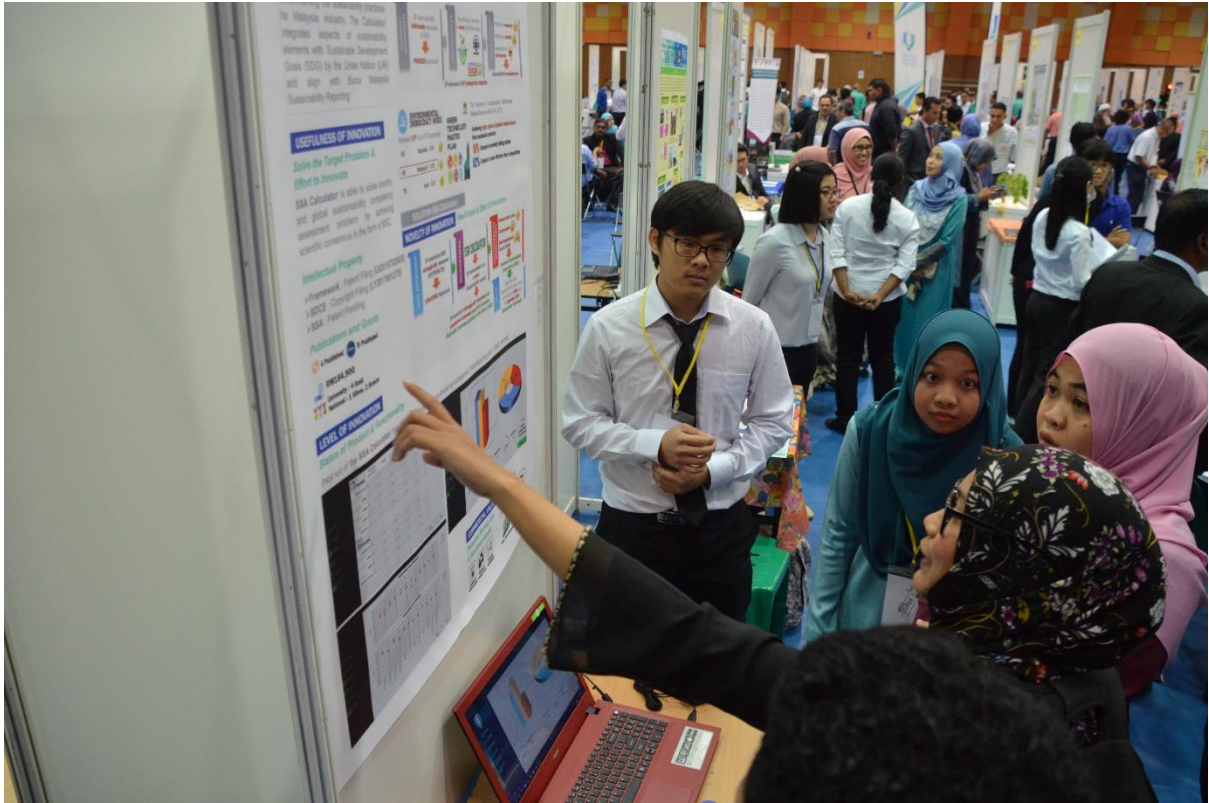
Penganjuran CITREX merupakan medan mempamerkan hasil penyelidikan antara UMP dan masyarakat dapat ditonjolkan dalam pelbagai lapangan, sama ada kerjasama penyelidikan, pemindahan pengetahuan, pendedahan teknologi mahupun perkongsian pengalaman membabitkan 18 staf akademik dan 20 mahasiswa fakulti ini.

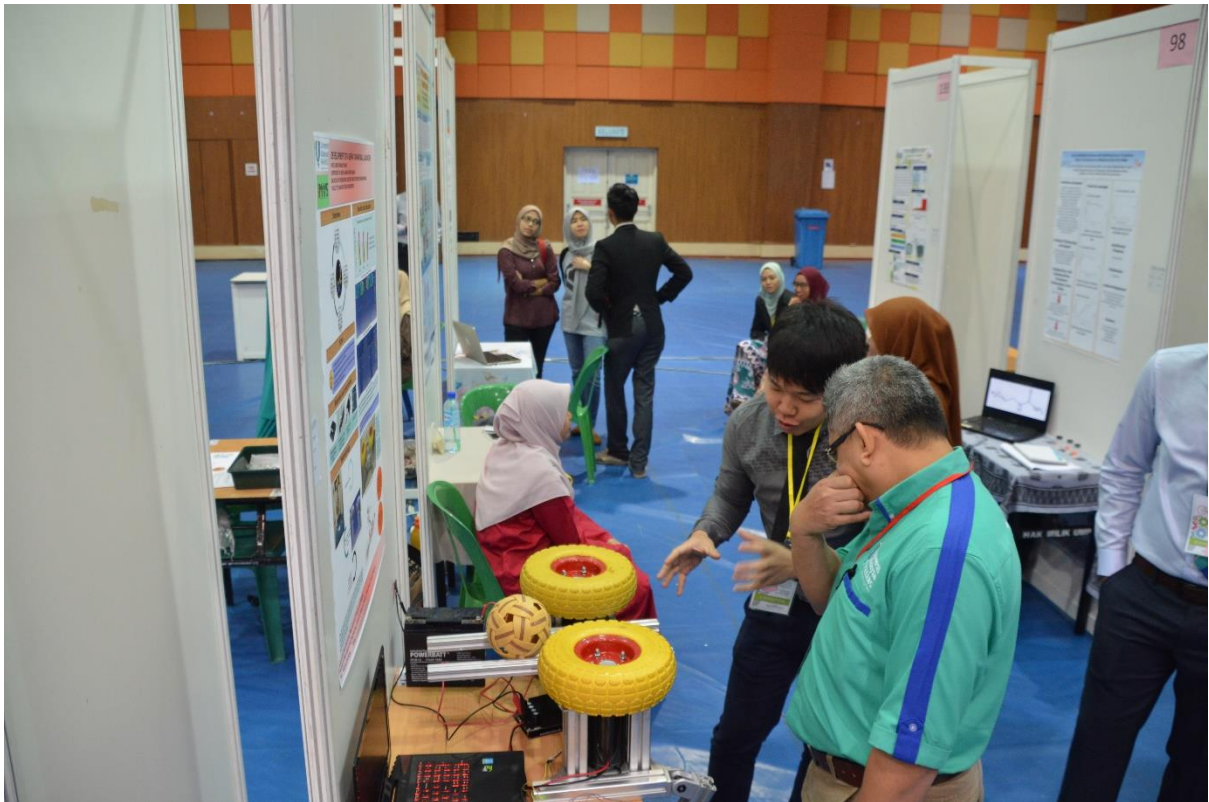
Projek penyelidikan yang dihasilkan oleh Dr Mohammad Abdo Hashem yang bertajuk '*Autonomous Road Marks Painting System*' telah berjaya meraih pingat emas dan anugerah khas '*Commercial IT Innovation*' sumbangan Pusat Kecemerlangan COE IBM. Selain itu, Profesor Madya Ir. Dr. Ahmad Razlan Yusoff telah memenangi dua pingat emas melalui hasil penyelidikan *Nano-Mmt: Nanocoolant for Martensitic Material Transformation* dan *Sustainable Machining Process*. Bagi kategori pelajar pula dua pingat emas dimenangi

Dengan penganjuran dan penyertaan staf dan pelajar CITREX adalah antara inisiatif dalam memasyarakatkan inovasi dikalangan warga penyidik fakulti melalui saluran yang formal yang dikombinasikan dengan kaedah penyebaran maklumat dan pengetahuan secara informal.

Berikut adalah maklumat lengkap bagi projek penyelidikan yang menyertai pertandingan CITREX 2018.







No	Ketua Projek	Tajuk Penyelidikan	Ahli	Pingat
1	Dr. Mohammed Abdo Hashem	Autonomous Road Marks Painting System	-	Gold
2	Prof. Madya Ir. Dr. Ahmad Razlan Bin Yusoff	Nano-Mmt : Nanocoolant For Martensitic Material Transformation	Prof. Madya Dr. Wan Azmi Bin Wan Hamzah	Gold
3	Prof. Madya Ir. Dr. Ahmad Razlan Bin Yusoff	Sustainable Machining Process	Salem Salah Abdullah Bagaber	Gold
4	Dr. Izwan Bin Ismail	High Thermal Conductivity Magnetorheological (MR) Fluid	Prof. Madya Dr. Syarifah Nur Aqida Binti Syed Ahmad, Mohd Salleh Bin Abdul Rahim	Silver
5	Ir. Dr. Faiz Bin Mohd Turan	Sustainability Assessment Calculator Integrated (SAC-i)	Puan Kartina Binti Johan @ Rahmat, Nur Soliha Binti Sahimi	Silver
6	Ir. Dr. Faiz Bin Mohd Turan	Smart Automated Water Irrigation (SAWI-i)	Puan Kartina Binti Johan @ Rahmat , Vivekanandan A/L Panneerselvam	Silver
7	Ir. Dr. Faiz Bin Mohd Turan	Technical Cleanliness Index (TeCdeX)	Puan Kartina Binti Johan @ Rahmat, Amyrrul Adly Shah Bin Muhamad Ridzwan Shah	Silver
8	Puan Kartina Binti Johan @ Rahmat	Sustainable Assessment Tool For Green Restaurant (SATG-i)	Ir. Dr. Faiz Bin Mohd Turan, Nur Qurratul Ain Binti Adanan	Silver
9	Puan Kartina Binti Johan @ Rahmat	Sustainability Assessment Calculator In Marine Leisure Industry Malaysia (MARLE-i)	Ir. Dr. Faiz Bin Mohd Turan, Wan Nurul Syahirah Binti Wan Lanang	Silver
10	Dr. Mohammed Abdo Hashem	Laser Simulator : A Novel Approach For Visibility Search Graph Based Path Planning	-	Silver
11	Prof. Madya Ir. Dr. Ahmad Razlan Bin Yusoff	Semi Active Suspension System	Dr. Fadhlur Rahman Bin Mohd Romly, Mohammed Ragab Ahmed	Silver
12	Dr. Mohd Zaidi Bin Sidek	Development Of Nano-Texture For Water-Resistivity Improvement	-	Silver
13	Dr. AKM Asif Iqbal	Novel Hybrid Composite For High-Speed Railway Brake Disc	-	Silver

14	Prof. Madya Ir Dr. Ahmad Razlan Bin Yusoff	Hybrid Energy Harvester	Nik Nurul Husna Bin Razali	Bronze
15	Dr. Mohammed Abdo Hashem	Automated Fruit Grading System	-	Bronze
16	Dr. Muhammed Nafis Bin Osman Zahid	Object Customization in CAD Software via Visual Basic Programming	Dr. Ahmad Shahir Bin Jamaludin, Mohamad Hafiz Bin Mohamad, Zainal Fahmi Bin Zainol Abidin	Bronze
17	Dr. Nanang Fatchurrohman	Friction Stir Processing Of Metal Matrix Composites	Che Dini Marini Binti Che Mohammad Ishkandar El-Rahimin	-
18	Dr. Mohd Hasnun Arif Bin Hassan	Development Of A Soccer Ball Launching Device	Encik Mohd Ali Hanafiah Bin Shahrudin, Prof. Dr. Zahari Bin Taha	-

No	Nama Pelajar	Tajuk Penyelidikan CITREX	Nama Penyelia	Pingat
1	Muhammad Syafiq bin Alias	Design and Fabrication of Integrated Arduino Honey Stick Filling Machine	Dr. Mohd Zaidi bin Sidek	Gold
2	Tay Chui Sheng	SSA Calculator (Systematic Sustainability Assessment Calculator)	Ir. Dr. Faiz bin Mohd Turan	Gold
3	Wong Shung Jun	Educational "Green" Robotic Module	Dr. Nanang Fatchurrohman	Silver
4	Cheow Kah Chun	Development Of Portable/Foldable Lifting Truck For Loading And Unloading Purposes	Encik Mohd Ali Hanafiah Bin Shahrudin	Silver
5	Siti Rohani Binti Sofian	Metal Matrix Composites Fabrication Using Powder Metallurgy Potential Application For Automotive Components	Dr. Nanang Fatchurrohman	Silver
6	Lim He Yue	Upper Limb Rehabilitation Device For Stroke Patients	Dr. Muhammad Azzat Bin Zakaria	Silver
7	Lin Kah Kiat	Airport Gate Allocation Engine Using Combinatorial Particle Swarm Optimization	En. Zulkifli bin Md Yusof	Silver

8	Ng Siew Kian	Meat Shredder Machine	Dr Muchamad Oktaviandri	Silver
9	Foong Kah Keat	Visitor Management System For UMP Pekan Campus	Dr Muchamad Oktaviandri	Silver
10	Siti Dayana Nor Farhanah binti Mohd Nooh	Illig Value Reduction (IV-Minus)	Ir. Dr. Faiz bin Mohd Turan	Silver
11	Kishendran A/L Muniandy	Smart Waste Management System Based On Internet Of Things(IoT)	Dr. Nurul Hidayah Binti Razak	Silver
12	Phoo Cheng Phang	Development Of A Sepak Takraw Launcher	Dr Mohd Hasnun Arif Bin Hassan	Bronze
13	Ng Weng Seng	Vision Based Smart Sorting Machine	Dr Ahmad Shahrizan Bin Abdul Ghani	Bronze
14	Tong Keong Sai	Micro-Deburring In Aluminum	Dr. Kushendarsyah Saptaji	Bronze
15	Ili Zhafirah Mardhiah binti Hashim	Design and Fabrication of An Integrated Arduino Droplet Machine	Dr. Mohd Zaidi bin Sidek	Bronze
16	Rosni Aida binti Mohd Noor	Design and Fabrication of An Arduino Based Scratch Machine	Dr. Mohd Zaidi bin Sidek	Bronze
17	Suresh A/L Sundarajoo	Design And Development Of Auto-Tracking Platform Device	Dr. Ahmad Shahrizan Abdul Ghani	Certificate
18	Muhamad Haziq Bin Mohamad Nordin	Measurement Of Cutting Force For Online Monitoring In Machining Process Using Load Cells Sensor	Dr. Mebrahitom Ashmelash	-
19	Lok Jia Jun	Brain-Controlled 1-Axis Movement Of Mobile Robot With Low-Cost EEG Module	Dr. Muhammad Aizzat Bin Zakaria	-
s20	Nur Syaza Aina binti Mahmud	Augmented Reality Indoor Navigation Application of FKP UMP (AINA)		-