

Pingat emas (Invention) : Staf

No Booth	Tajuk Penyelidikan	Nama Penyelidik	Fakulti / Cawangan	Pingat
007	Halal Certification Information System (HCIS)	1. Ahmad Yusri bin Dak 2. Prof. Madya Dr. Saadiah Yahya 3. Nik Mariza Nik Abdull Malik 4. Razulaimi Razali	Teknologi Maklumat & Sains Kuantitatif	Emas (Invention)
046	Mesin Pinjaman Buku Diri di Perpustakaan	1. Hj Azizi Jantan 2. Ahmad Faizar Jaafar 3. Muhammad Azmir Hj. Sulaiman 4. Hj Rosli Mohamad 5. Mohd Yazid Yahaya 6. Abdul Hamid Mohd Salleh 7. Nurhayati Hassan 8. Ja'amayah Kosnan 9. Ahmad Nazri Jaafar	Perpustakaan Tun Abdul Razak (PTAR) 1	Emas (Invention)
052	Lectures's Evaluation Online	1. Mohd Nor Mamat 2. Prof. Madya Dr. Posiah Mohd Isa 3. Mohd Ali Mohd Isa 4. Mohd Nor Hajar Hasrol Jono 5. Azlan Abdul Aziz 6. Siti Rahayu Abdul Aziz 7. Nor Adora Endut 8. Nurul Hidayah Mat Zain 9. Nurmaisara Za'ba 10. Prasanna A/P Ramakrisnan 11. Syamsul Ariffin Yahaya	i-Learn Center	Emas (Invention)
054	ODSR-(Optimum Design for Speed Reducer)	1. Dr. Muhammad Akram Adnan 2. Mohd Hafiz Zulfakar 3. Norliana Sulaiman	MiTRANS	Emas (Invention)
078	Leg Coller	1. Mohd Noorazam Bin Abd Razak 2. Mohd Zaihan Bin M Zainal 3. Ahmad Zaki Bin Sukiam 4. Prof. Madya Dr. Anuar Suun	Fakulti Pendidikan Industri-Sports Galaxy Ranhill Warley Parson Majlis Sukan Negara (MSN)	Emas (Invention)
081	MathZzle Board Game	1. Prof. Madya Dr. Parmjit Singh 2. Norsalmiza Bt Sabto	Fakulti Pendidikan	Emas (Invention)
131	Healty Wealthy Drink	1. Mohd Shazali Haji Md Sharif 2. Dr. Hamdin Haji Salleh 3. Noriza Ishak 4. Dr. Noriham Abdullah 5. Azizah Othman 6. Norahiza Mohd Soheh	Pengurusan Hotel & Pelancongan Fakulti Sains Gunaan	Emas (Invention)

135	Tamarind Dipping	1. Irwan Affendi bin Abdul Razak 2. Abdullah bin Mohamed Yusoff 3. Zarina binti Md Yunus 4. Mohd Laile bin Kasbin 5. Azhar bin Husin	Fakulti Pengurusan Hotel & Pelancongan	Emas (Invention)
141	Blooming Jelly: Choco Gummy Crispy Snack	1. Noriza Ishak 2. Mohd Shazali Md Sharif 3. Saidatul Afzan Abdul Aziz 4. Ahmad Esa Abdul Rahman 5. Roslina Ahmad 6. Prof. Madya Dr. Rahmat Hashim	Fakulti Pengurusan Hotel & Pelancongan	Emas (Invention)
178	Nano Filled Epoxy based Adhesive for Insitu Timber Bonding	1. Prof. Madya Dr. Zakiah Ahmad 2. Dr. Martin Ansell 3. Dave Smedley	Fakulti Kejuruteraan Awam Department of Mechanical Engineering, University of Bath Rotafix Ltd	Emas (Invention)
189	Intelligent Handling Mechanism for Web Fabric Material	1. Prof. Madya Dr. Muhammad Azmi Ayub 2. Mike Jackson	Fakulti Kejuruteraan Mekanikal Loughborough University, UK	Emas (Invention)
190	eMINs Power Ratio Analyzer	1. Prof. Madya Dr. Rozainun Abdul Aziz 2. Prof. Madya Dr. Wee Shu Hui 3. Hazlina Abdul halim 4. Norhasnah Mohd Saheh 5. Kamaruzzaman Mohamed 6. Ahmad saiful Azlin Puteh Salin	Fakulti Perakaunan	Emas (Invention)
198	Oriental BBQ Sauce	1. Ali bin Mohamad Noor 2. Hamizad bin Abdul Hadi 3. Maria Mohd Salleh 4. Roslina Ahmad	Fakulti Pengurusan Hotel & Pelancongan	Emas (Invention)
199	Okra Thickening Agent	1. Ali bin Mohammad Noor 2. Nurhidayah Abdullah 3. Abd Razak Aziz 4. Noriza Ishak 5. Saidatul Afzan Abdul Aziz	Fakulti Pengurusan Hotel & Pelancongan	Emas (Invention)
200	Okra Snek (Kudapan)	1. Ali bin Mohammad Noor	Fakulti Pengurusan	Emas

		2. Nurhidayah Abdullah 3. Abd Razak Aziz 4. Noriza Ishak	Hotel & Pelancongan	(Invention)
204	Osmo-Dried Veggie Candy	1. Dr. Aishah Bujang 2. Sharifah Rohaiza Syed Omar 3. Norahiza Mohd Soheh	Fakulti Sains Gunaan	Emas (Invention)
213	Tepung Keledek	1. Prof. Madya Hjh Norani Sidek 2. Sabaianah Bachok 3. Prof. Madya YM Hjh Raja Saidatul Hisan bt Dato Paduka Raja Azam 4. Noradzhar Baba 5. Raja Puteri Saadiah Raja Abdullah	Fakulti Pengurusan Hotel & Pelancongan	Emas (Invention)
214	Cucur Labu Segera	1. Sabaianah Bachok 2. Noradzhar Baba 3. Raja Puteri Saadiah Raja Abdullah 4. Firdaus Ahmad Fauzi 5. Aliffaizi bin Arsat	Fakulti Pengurusan Hotel & Pelancongan	Emas (Invention)
297	Bow from Non-Durable Timber Species of Malaysia	1. Prof. Dr. Suhaimi Muhammed 2. Amran bin Shafie 3. Mohamad Azmi Nias bin Ahmad	Fakulti Sains Gunaan, UiTM Pahang	Emas (Invention)
298	Biocomposite Products from Coconut Husk	1. Prof. Dr. Suhaimi Muhammed 2. Amran bin Shafie 3. Noorshashillawati Azura bt Mohammad	Fakulti Sains Gunaan, UiTM Pahang	Emas (Invention)
299	Biocomposite Products from Rice Husk	1. Prof. Dr. Suhaimi Muhammed 2. Noorshashillawati Azura bt Mohammad 3. Amran bin Shafie	Fakulti Sains Gunaan, UiTM Pahang	Emas (Invention)
313	Soft Pastel for Ceramic Underglazed Decoration using Oxide Colorant	1. Mohd Khairi Baharom	Fakulti Seni Lukis & Seni Reka, UiTM Perak	Emas (Invention)
320	RECLITE-Recycled Glass Lighting	1. M. Hijaz bin Mohammad 2. Azlan bin Zainal	Fakulti Seni Lukis & Seni Reka, UiTM Perak	Emas (Invention)
325	Smart Fluid Dispenser	1. Zulkifli Aswan 2. Basri Bin Pawi 3. Hasmah Mohidin 4. Mohamad Syukrie Abu Talip	Fakulti Sains Gunaan, UiTM Sarawak	Emas (Invention)

		5. Sulaiman Man 6. Suhardi Bin Ahmad 7. Yusri Bin Dis 8. Sapiee Bin Sili 9. Noor Azlyaton Redali 10. Siti Rahimah Bt Ibrahim 11. Norhayati Mohamad		
348	School's Student Management System (SSMSS)	1. Mahfudzah Othman 2. Mohd Norafizal Abd Aziz 3. Zainab Othman 4. Siti Nurbaya Ismail 5. Mohamad Affendi Abdul Malek 6. Fazlin Marini Hussain 7. Zazaleena Zakariah 8. Nursyahidah Alias	Fakulti Teknologi Maklumat & Sains Kuantitatif, UiTM Pahang	Emas (Invention)
358	Cornsilk Herba Tisane (Seduhan Herba Sutera Jagung)	1. Noraida Abdul Karim 2. Harnizam Zahari 3. Sabaianah Bachok 4. Noradzhar Baba	Fakulti Pengurusan Hotel & Pelancongan, UiTM Terengganu	Emas (Invention)
381	Phone Based Remote Control Application for Intelligent Home	1. Mohd Hanpiah Abdullah 2. Mohd Hafiz Mohd Nasir 3. Syarifah Adilah Mohamed Yusoff 4. Norsabrina Sihab	Fakulti Kejuruteraan Elektrik, Pulau Pinang	Emas (Invention)

Pingat emas (Innovation) : Staf

No Booth	Tajuk Penyelidikan	Nama Penyelidik	Fakulti / Cawangan	Pingat
026	Virgin Coconut Oil and Tocotrienols Enriched Topical Gel for Skin Conditioning	1. Tommy Julianto Bustami Effendi 2. Suci Ameliya Reza Zairizal 3. Liza Salleh 4. Muhamad Rizal Abdul Rahim 5. Prof. Dr. Abu Bakar Majeed	Fakulti Farmasi	Emas (Innovation)
032	Techproved® System: Business Information Technology Systems	1. Dr. Norzaidi Mohd Daud 2. Intan Salwani Mohamed	Fakulti Pengurusan Perniagaan / Fakulti Perakaunan	Emas (Innovation)

034	Pulpwire	1. Dr. Radiah Othman 2. Dr. Rashid Ameer 3. Rohayu Yusop 4. Prof. Madya Dr. Nor'azam Mastuki	Institut Penyelidikan Perakaunan (ARI) & Fakulti Perakaunan	Emas (Innovation)
035	CSI (Corporate Signaling for Insider Trading)	1. Dr. Rashid Ameer 2. Dr. Radiah Othman 3. Prof. Madya Dr. Nor'azam Mastuki	Institut Penyelidikan Perakaunan (ARI) & Fakulti Perakaunan	Emas (Innovation)
037	Corporate Planning tax Device (CPTD)	1. Prof. Madya Dr. Rohaya Md Noor 2. Prof. Madya Dr. Nor'azam Mastuki 3. Prof. Dr. Barjoyai Bardai	Institut Penyelidikan Perakaunan (ARI) & Fakulti Perakaunan / UNITAR	Emas (Innovation)
040	Visualizing Interview Conversation Patterns Via Qualitative Matrix Display (QMD) And Multidimensional Scaling (MDS)	1. Prof. Madya Dr. Zamalia Mahmud	Fakulti Teknologi Maklumat & Sains Kuantitatif	Emas (Innovation)
069	Reputation Index: The Relevance of Corporate Social Responsibility Disclosure to Corporate Reputation	1. Prof. Madya Roshayani Arshad 2. Suaini binti Othman 3. Prof. Madya Dr. Hajah Faizah Darus	Institut Penyelidikan Perakaunan (ARI) & Fakulti Perakaunan / Hal Ehwal Akademik	Emas (Innovation)
070	Musyarakah Model in Islamic Investment	1. Prof. Madya Dr. Maheran Mohd Jaafar 2. Rashidah Ismail 3. Abd Aziz Samson 4. Prof. Madya Hamdan Abdul Maad	Fakulti Teknologi Maklumat & Sains Kuantitatif	Emas (Innovation)
075	Self-Assessment Sustainability Practice Scorecard	1. Haslinda binti Yusoff 2. Normahiran binti Yatim 3. Anisah binti Mahmood	Institut Penyelidikan Perakaunan (ARI) & Fakulti Perakaunan	Emas (Innovation)
077	Reka Bentuk Bahan Pembelajaran Berasaskan Web Menerusi Perbezaan Gaya Pembelajaran dan Gaya Kognitif Pelajar	1. Mohd Khairezan Rahmat 2. Syamsul Nor Azlan Mohamed	Fakulti Pendidikan	Emas (Innovation)
083	Stearin Wax	1. Prof. Madya Dr. Hjh Norizzah Abd Rashid 2. Prof. Madya Dr. Halimaton Zahrah bt Mohamed Som 3. Prof. Madya Dr. Cheow Chong	Fakulti Sains Gunaan	Emas (Innovation)

		Seng 4. Adi Md Sikin		
098	Malaysian Entrepreneur Global Orientation Index (NET@GPI)	1. Dr. Nurol'ain Mustapha 2. Zahariah Mohamed Zain 3. Prof. Madya Dr. Norashfah Hanim Yaakop Yahaya Al-Haj	Fakulti Pengurusan Perniagaan	Emas (Innovation)
110	SWSPRO-1 Software: Sustainable Tools for Future Waste Management	1. Zulkifli Abdul Rashid 2. Mohamad Shahnor bin Bani 3. Prof. Dr. Ku Halim Ku Hamid 4. Dr. Mohanad El Harbawi 5. Syaiful Nizam Bin Basri 6. Azil Bahari Alias 7. Mohammad Jindra Aris	Fakulti Kejuruteraan Kimia	Emas (Innovation)
113	PROMISE™ TPMT Kit for Personalised Treatment of Thiopurine Drugs	1. Prof. Dr. Mohd Zaki Salleh 2. Wan Rosalina Wan Rosli 3. Prof. Madya Dr. The Lay Kek 4. Dr. Rosmadi Mohd Yusoff 5. Fazleen Haslinda Mohd Hatta	Fakulti Farmasi	Emas (Innovation)
119	V-Check	1. Norasiah Mohammad 2. Dalialah Abd Gani 3. Mohd Pikri bin Mohammad	Fakulti Teknologi Maklumat & Sains Kuantitatif	Emas (Innovation)
125	Ergonomic Redesign Options for Air Handler Coil Replacement	1. Prof. Madya Ir. Loo Huck Soo 2. Dr. Paul Yeow Heng Ping	Fakulti Kejuruteraan Mekanikal MMU	Emas (Innovation)
165	FOMT 4U.DbIS	1. Prof. Madya Dr. Rudzi Munap 2. Rochin Demong 3. Lailatul Faizah Abu Hassan 4. Nor Irvoni Mohd Ishar 5. Norol Hamiza Zamzuri 6. Hjh Maiminah Mohd Shah	Fakulti Pengurusan & Teknologi Pejabat	Emas (Innovation)
180	Rain-Watch for Flood Monitoring	1. Prof. Madya Dr. Wardah Tahir 2. Prof. Madya Zaidah Ibrahim 3. Zaizatul Zafflina Mohd Zaki 4. Suzana Ramli 5. Prof. Madya Dr. Junaidah Ariffin	Fakulti Kejuruteraan Awam / Fakulti Teknologi Maklumat & Sains Kuantitatif	Emas (Innovation)
188	Deli-Fibre Cake	1. Prof. Madya Dr. Noriham Abdullah 2. Chemah Thamby Chik 3. Rohasmizah Hashim 4. Izzreen bin Ishak	Fakulti Sains Gunaan / Fakulti Pengurusan Hotel &	Emas (Innovation)

		5. Nurulhuda bt Mohamad Ariffin	Pelancongan	
191	Sistem Pengawasan dan Pemantauan Aduan Perkakasan dan perisian ICT di bawah Selenggaraan Syarikat	1. Sajudin Samad 2. Abdul Hadi Milok 3. Ziraizratul Mohaini Mohamat 4. Osman Mat Sam 5. Zamani Umar Husin 6. Azhar Ahmad 7. Norhasniza Sabarudin 8. Faidah Muhammad 9. Mohd Tumijan Rasikin 10. Ahmad Asraf Ahmad Yusri 11. Hasnah Abd Jabar	Pusat Sistem Maklumat Bersepadu	Emas (Innovation)
207	SQ-TEC Innovative Methodology for Teaching Literature	1. Prof. Madya Dr. Gurnam Kaur Sidhu 2. Prof. Madya Lim Peck Choo	Fakulti Pendidikan / Akademi Pengajian Bahasa	Emas (Innovation)
221	Islamic Wealth Indicator (IWI)	1. Ibrahim Abdul Rahman 2. Ainon binti Basar	Fakulti Pengurusan Perniagaan	Emas (Innovation)
233	Malaysian First Photovoltaic System Monitoring Portal	1. Masnawi Mustaffa 2. Shahril Irwan Sulaiman 3. Wan Faezah Abbas 4. Parizah Mazlan 5. Prof. Madya Dr. Ahmad Maliki Omar 6. Ir. Hj. Harizan Che mat Haris 7. Prof. madya Dr. Zainazlan Md Zain	Photovoltaic Monitoring Centre	
248	UV Cured Epoxidised Oil as Alternative to Epoxy Resin for Surface Coating in Various Industri	1. Prof. Madya Dr. Rahmah Mohamed 2. Ahmad Faiza Mohamad 3. Norwimie Nawi	Fakulti Sains Gunaan	Emas (Innovation)
254	Coloured Thin Film for Free Radical Scavenging Assay	1. Prof. Dr. Lee Pat Moi 2. Siti Maisara bt Mat Arsad 3. Prof. Dr. Lee Kong Hung	Fakulti Sains Gunaan	Emas (Innovation)
256	Hydroxyleum Technology	1. Datin Prof. Madya Norela Nuruddin 2. Mohd Izmir b Yamin 3. Mohd Hadi Anuar b. Mohd Fakharuzi 4. Mohamad Hisyam b. Mokhtar	MEDEC	Emas (Innovation)
257	Pelan Kewangan untuk	1. Prof. Madya Dr. Ismail b Ab	MEDEC	Emas

	Perniagaan Kecil	Wahab		(Innovation)
258	Primary One Lesson on Money Value (POLMV), Kids Money Basics	1. Datin Prof. Madya Norela Nuruddin 2. Dzulfiqri Azli Ayub @ Abdul Rahim 3. Nurfarhanah bt Hussain 4. Putri Nurul Ain bt Adzmi	MEDEC / Fakulti Perakaunan / Fakulti Undang- Undang	Emas (Innovation)
276	Index of Human Health Condition using Resonant Field Imaging (RFI)	1. Husna Abdul Rahman 2. Ros Shilawani S. Abdul Kadir 3. Prof. Madya Zunairah Hj. Murat 4. Prof. Dr. Mohd Nasir Taib 5. Sahrm Lias	Fakulti Kejuruteraan Elektrik	Emas (Innovation)
278	Brainwave Balancing Index using EEG	1. Prof. Madya Zunairah Hj. Murat 2. Sahrm Lias 3. Prof. Dr. Mohd Nasir Taib 4. Ros Shilawani S. Abdul Kadir 5. Husna Abdul Rahman	Fakulti Kejuruteraan Elektrik	Emas (Innovation)
291	IS Alignment Web-Scoreboard	1. Hisham bin Md Basir 2. Ahmad Kamal Mohd Yusop 3. Azmi Salim 4. Sulaiman Mahzan	FTMSK UiTM Johor / FPTP UiTM Perak / FPTP UiTM Pahang / Institut Sains & Teknologi Darul Takzim	Emas (Innovation)
300	Electronic Aduan System (e-Aduan)	1. Razulaimi Bin Razali 2. Mohd Izuan Bin Ibrahim 3. Khairul Nizam Bin Abd Halim	UiTM Pahang	Emas (Innovation)
301	Electronic University Voting System (e-Uvote)	1. Khairul Nizam Bin Abd Halim 2. Razulaimi Bin Razali 3. Muhd Eizan Shafiq Bin Abd Aziz	UiTM Pahang	Emas (Innovation)
309	iPatons	1. Zolina Bte Mohamad 2. Rafidah binti Khalid	Fakulti Seni Lukis & Seni Reka, UiTM Perak	Emas (Innovation)
322	Sar-Alam BioSolid Compost-Biofertilizer from Sewage Sludge	1. Prof. Madya Dr. Margaret Chan 2. Prof. Madya Ong Mooi Lian 3. Khong Heng Yen 4. Hasmah Mohidin 5. Zayn Gregory Al-Abidin	Fakulti Sains Gunaan, UiTM Sarawak / Fakulti Kejuruteraan Awam, UiTM	Emas (Innovation)

			Sarawak	
326	E-INVES	1. Sueb Hj Ibrahim 2. Mohd Zafian Mohd Zawawi	APB UiTM Sarawak Fakulti Pengurusan Maklumat	Emas (Innovation)
327	Sago Kraft Paper	1. Wan Samiati Andriana Bt W Mohamad daud 2. Prof. Madya Dr. Margaret Chan Kit Yok 3. Norazlin Abdullah 4. Safrina Muhammad Azmi	Fakulti Seni Lukis & Seni Reka, UiTM Sarawak Fakulti Sains Gunaan, UiTM Sarawak Fakulti Sains Sukan & Rekreasi, UiTM Sarawak	Emas (Innovation)
328	WebServ Scale	1. Dr. Voon Boo Ho 2. Karen Kueh 3. Mohd Zafian Mohd Zawawi	UiTM Sarawak	Emas (Innovation)
330	A Computer-Adaptive Subjective Assessment Software for Learning Mathematics	1. Dr. Paul Lau Ngee Kiong 2. Lau Sie Hoe 3. Prof. Madya Dr. Hong Kian Sam 4. Dr. Hasbee Hj Usop	UiTM Sarawak / UNIMAS	Emas (Innovation)
334	U-CAT-University Climate Assessment Tool	1. Dr. Kuldip Singh 2. Dr. Prabha Ramakrishnan 3. En. Baljinder Singh a/l Maghar Singh 4. Chong Vui Hok 5. Kelvin Goh 6. Zahrah Haji Sirat 7. Elizabeth Caroline Augustine 8. Nur Aida Kipli 9. Mohd Zafian Mohd Zawawi	UiTM Sarawak	Emas (Innovation)
340	Ipomoea Aquatica: A Novel Bio-Sorbent for the Removal of Heavy Metals from Aqueous Solution	1. Juferi Idris 2. Miradatul Najwa binti Muhd Rodhi 3. Prof. Dr. Ku Halim Ku Hamid 4. Mohibah Musa	Fakulti Kejuruteraan Kimia, UiTM Sarawak / Fakulti Kejuruteraan Kimia	Emas (Innovation)
341	FaGroF	1. Mohd Zafian bin Mohd Zawawi	Fakulti Pengurusan	Emas (Innovation)

		<ol style="list-style-type: none"> 2. Mohd Bazli bin Bachok 3. Maspul bin Oding 4. Setra binti Ginsim 5. Qahera binti Alian 6. Ramnah binti Ariff 	Maklumat, UiTM Sarawak	
342	Eziron Shirt Folder Board	<ol style="list-style-type: none"> 1. Hartini Mahidin 2. Rafidah Husen 3. Millaa-Armilla Asli 4. Muhammad Luqman bin Asan 5. Syafirul Azie bin Abu Samah 6. Mohammed Radzie bin Anuar 7. Mohd Zahiruddin bin Zuhady 8. Muhammad Fakhri bin Hasan 	Fakulti Sains Gunaan, UiTM Sarawak	Emas (Innovation)
344	Frozen Malay Kuih- An Application of Disaccharides to the Textural Properties and Sensory Characteristic of frozen 'Malay Kuih'	<ol style="list-style-type: none"> 1. Husin Khan Rahmatullah 2. Prof. Madya Dr. Mohd Salehuddin Mohd Zahari 3. Zulhan Othman 4. Mohd Azli Razali 5. Mohamed Abdul Hamid 	Fakulti Pengurusan Hotel & Pelancongan, UiTM Pulau Pinang / Fakulti Pengurusan Hotel & Pelancongan	Emas (Innovation)
354	Nondestructive and Noncontact Dielectric Measurement Method for Transformer Oil using Free Space Microwave Measurement System	<ol style="list-style-type: none"> 1. Mohd Aziz Aris 2. Ermeey Abd Kadir 3. Prof. Dr. Zaiki Awang 4. Prof. Madya Ahmad Ismail 	Fakulti Kejuruteraan Elektrik, UiTM Terengganu / Fakulti Kejuruteraan Elektrik, UiTM Pulau Pinang	Emas (Innovation)
371	Lazat Chicken Meatball	<ol style="list-style-type: none"> 1. Mushaireen Musa 2. Rahman Abdullah 3. Khazainah Khalid 4. Noraida Abd Karim 	Fakulti Pengurusan Hotel & Pelancongan, UiTM Terengganu	Emas (Innovation)
373	Pankek Kelapa	<ol style="list-style-type: none"> 1. Mohamad Azli bin Razali 2. Khairul Hidayat bin Rezo 3. Hussin Khan bin Rahmatullah Khan 4. Mohd Zain Kutut 5. Norhamizan bin Hamir 6. Ferial binti Farook 7. Dr. Mohamad Abdullah bin Hemdi 	Fakulti Pengurusan Hotel & Pelancongan, Pulau Pinang	Emas (Innovation)
394	Direct One-Stop Process to Produce "Clean Biodiesel" from	<ol style="list-style-type: none"> 1. Prof. Madya Dr. Hj Khudzir Hj Ismail 	UiTM Perlis	Emas (Innovation)

	Jatropha Curcas L. Seed Via Supercritical Methanolysis	2. Dr. Hj. Mohd Azlan Mohd Ishak 3. Asnida Yanti Ani		
395	Novel Supercritical Water-Tetralin Co-Solvent System for Coal Liquefaction	1. Prof. Madya Dr. Hj Khudzir Hj Ismail 2. Dr. Hj. Mohd Azlan Mohd Ishak 3. Zaidi Ab Ghani 4. Mohd Fauzi Abdullah	UiTM Perlis	Emas (Innovation)

Pingat emas (Design) : Staf

No Booth	Tajuk Penyelidikan	Nama Penyelidik	Fakulti / Cawangan	Pingat
064	Innovative Wetting Collapse Design Procedure	1. Prof. Madya Dr. Mohd Jamaludin Md Noor 2. Ismacahyadi Bagus Mohamed Jais 3. Basharudin bin Abdul Hadi 4. Joe Davylyn Nyuin	Fakulti Kejuruteraan Awam	Emas (Design)
093	Seismic Multipanel Precast Hollow Core Wall	1. Dr. Nor Hayati Abdul Hamid 2. Prof. Madya Ir. Dr. Siti hawa Hamzah 3. Mohd Ikmal fazlan@Rosli 4. Nurharniza Abdul Rahman 5. Mehrdad Seifi	Fakulti Kejuruteraan Awam	Emas (Design)
231	The Application of Seeds in Jewellery Execution	1. Nazirah bt Mohamad Ba'ai 2. Prof. Madya Hj. Mohaine Hj. Khalid	Fakulti Seni Lukis & Seni Reka	Emas (Design)
336	INFINITE SERIESTM Three Dimensional Artwork based on Islamic Aesthetic Values	1. Mohamat Najib bin Mat Noor 2. Mohd Zafian Mohd Zawawi 3. Noorsaidi Mahat 4. Wan Faizal Iskandar bin Wan Abdullah 5. Hasbe bin Mohamed	UiTM Sarawak	Emas (Design)
363	Restoring Malay Identity Through Experimental Typography	1. Mohamed Razeef bin Abdul Razak 2. Azahar b harun	Fakulti Seni Lukis & Seni Reka, UiTM Melaka	Emas (Design)
375	GIS-Based Campus Management System (GEOCAMPUS V2.0)	1. Dr. Shanker Kumar Sinnakaudan 2. Joe Davylyn Nyuin	WAREM, UiTM Pulau Pinang	Emas (Design)

378	Seni Khat Rotan	1. Mohd Sanusi bin Awang Hassan	CITU, UiTM Pulau Pinang	Emas (Design)
385	Pembangunan Model Kapal Terbang Kawalan Jauh Menggunakan Bahan Alternatif	1. Noor Iswadi bin Ismail 2. Khairul Fauzi bin Karim 3. Mohd Rozalee Abu Hassan 4. Muhammad bin Abdul Razak	Fakulti Kejuruteraan Mekanikal, UiTM Pulau Pinang	Emas (Design)
391	Ergonomic Chuck Key	1. Dzullijah bt Ibrahim 2. Lesairuamin Leiahs 3. Mohd Ridzuan bin Ramli 4. Ahmad Khuzairi bin Omar Bakhi	Fakulti Kejuruteraan Mekanikal, UiTM Pulau Pinang	Emas (Design)

Pingat perak (Invention) : Staf

No Booth	Tajuk Penyelidikan	Nama Penyelidik	Fakulti / Cawangan	Pingat
008	Medication Conformance Monitoring System	1. Prof. Madya Dr. Saadiah Yahya 2. Ahmad Yusri bin Dak 3. Rosanita Adnan 4. Nurshahrily Idura B Hj Ramli	Fakulti Teknologi Maklumat & Sains Kuantitatif	Perak (Invention)
024	Giara Tea	1. Dr Zainul Amirrudin Zakaria 2. Meor Mohd Redzuan Meor Mohd Affandi	Fakulti Farmasi	Perak (Invention)
041	Supervisor's Kit for Successful Research Supervision	1. Dr. Faizah Abd Majid	Fakulti Pendidikan	Perak (Invention)
051	i-Learn System (ILS) for Full Time Students	1. Prof. Madya Dr. Posiah Mohd Isa 2. Mohd Nor Hajar Hasrol Jono 3. Mohd Ali Mohd Isa 4. Mohd Nor Mamat 5. Azlan Abdul Aziz 6. Siti Rahayu Abdul Aziz 7. Nor Adora Endut 8. Nurul Hidayah Mat Zain 9. Nurmaisara Za'ba 10. Prasanna A/P Ramakrisnan 11. Dr. Ros Aizan Yahaya	i-Learn Center	Perak (Invention)
061	Potential Cholesterol Reducing Non Dairy	1. Eddie Tan Ti Tjih 2. Fuziah Mohamed Othman 3. Adi Md Sikin	Fakulti Sains Gunaan	Perak (Invention)

		4. Suzaira Bakar		
066	Removal of Heavy Metal Ions using <i>Pleurotus Ostreatus</i> as Biosorbent from Aqueous Solutions	1. Prof. Ir. Dr. Suhaimi bin Abdul Talib 2. Tay Chia Chay 3. Liew Hong Hooi 4. Yong Soon Kong 5. Prof. Dr. Salmijah binti Surif	Fakulti Kejuruteraan Awam/ INTEC/ UKM	Perak (Invention)
087	Sejadah Q Musafir Hussein	1. Badrul Hisham bin Hussein 2. Hussein bin Yusoff	Institut Perkembangan Pendidikan (InED)	Perak (Invention)
132	Shake & Spice	1. Mohd Shazali Haji Md Sharif 2. Dr. Hamdin Haji Salleh 3. Noriza Ishak 4. Dr. Noriham Abdullah 5. Azizah Othman 6. Norahiza Mohd Soheh	Fakulti Pengurusan Hotel & Pelancongan / Fakulti Sains Gunaan	Perak (Invention)
136	Fermented Durian Paste	1. Irwan Affendi bin Abdul Razak 2. Azlan bin Haji Supardi 3. Abdullah bin Mohamed Yusoff 4. Faizal Azrin bin Abdullah 5. Mohd Nazimi bin Had Nordin	Fakulti Pengurusan Hotel & Pelancongan	Perak (Invention)
142	PITAHAYAna Flakes	1. Noriza Ishak 2. Saidatul Afzan Abdul Aziz 3. Ahmad Esa Abdul Rahman 4. Ali Mohd Noor 5. Prof. Madya Dr. Sallehudin Mohd Zahari	Fakulti Pengurusan Hotel & Pelancongan	Perak (Invention)
143	Coco-Nut Sauce	1. Abd Razak Aziz 2. Ali Mohamad Noor	Fakulti Pengurusan Hotel & Pelancongan	Perak (Invention)
154	Acceleration of Wound Healing by <i>Andrographis Paniculata</i> Leaf Extract in Experimental Rats	1. A/P Dr. Fouad Hussain AL-Bayaty 2. A/P Dr. Mahmood Ameen Abdulla 3. Prof. Dr. Mohamed Ibrahim Abu Hassan 4. Prof. Hapipah Mohd Ali	Fakulti Pergigian / Fakulti Perubatan, Universiti Malaya	Perak (Invention)
155	Anti-Ulcer Activity of <i>Curcuma Xanthorrhiza</i> Rhizomes Extract Against Ethanol-Induced Gastric Mucosal Injury in Rats	1. A/P Dr. Fouad Hussain AL-Bayaty 2. A/P Dr. Mahmood Ameen Abdulla	Fakulti Pergigian / Fakulti Perubatan,	Perak (Invention)

		3. Prof. Dr. Mohamed Ibrahim Abu Hassan 4. Prof. Hapipah Mohd Ali	Universiti Malaya	
196	Niruri Pastille	1. Shahariah Ibrahim 2. Noriza Ishak 3. Roslina Ahmad 4. Saidatul Afzan Abdul Aziz	Fakulti Pengurusan Hotel & Pelancongan	Perak (Invention)
208	Café Outlet Ordering Management System (Café OOMS)	1. Shapina Hj Abdullah 2. Nor Adora Endut 3. Siti Rahayu Abdul Aziz 4. Luqman Mohd Nawawi	Fakulti Teknologi Maklumat & Sains Kuantitatif	Perak (Invention)
215	Sapuan Mangga Campuran	1. Noradzhar Baba 2. Raja Puteri Saadiah Raja Abdullah 3. Sabaianah Bachok 4. Aliffaizi bin Arsat 5. Firdaus Ahmad Fauzi	Fakulti Pengurusan Hotel & Pelancongan	Perak (Invention)
216	Broken Glass Jellies	1. Raja Puteri Saadiah Raja Abdullah 2. Noradzhar Baba 3. Sabaianah Bachok 4. Aliffaizi bin Arsat 5. Firdaus Ahmad Fauzi	Fakulti Pengurusan Hotel & Pelancongan	Perak (Invention)
225	MyTax	1. Memiyanty Hj Abdul Rahman 2. Khamsi Che Abdul Hamid 3. Prof. Madya Dr. Rozainun Haji Abdul Aziz 4. Prof. Madya Dr. Jasmine Ahmad	Fakulti Sains Pentadbiran & Pengajian Polisi / Fakulti Perakaunan	Perak (Invention)
228	The Yellow Zebra	1. Jalilah bt Ahmad 2. Rohana bt Sham	Fakulti Pengurusan Perniagaan	Perak (Invention)
229	Synthetic Seeds Production of Pogostemum Cablin for Commercialization	1. Asmah binti Awal 2. Dr. Norrizah Jaafar Sidik	Fakulti Sains Gunaan	Perak (Invention)
274	Development of Car Ignition System using Bluetooth and GSM Technology	1. Abdul Hadi Abdul Razak 2. Jamilah Karim 3. Mohd Faizul Md Idros 4. Adizul Ahmad 5. Syahrul Afzal Che Abdullah 6. Wan Mohd Arman Wan Amat	Fakulti Kejuruteraan Elektrik	Perak (Invention)
288	Mobile EZ2C Math Formulas	1. Dr. Kor Liew Kee 2. Dr. Teoh Sian Hoon	JTMSK, UiTM Kedah &	Perak (Invention)

			P.Pinang	
307	Virtual Reality Map UiTM (VR MAP UiTM)	1. Junidsyazji B. Basharuddin 2. Hanafi B. Mohd Tahir 3. Muhamad Abdul Aziz B. Ab. Gani	Fakulti Seni Lukis & Seni Reka, UiTM Perak	Perak (Invention)
311	Portable Tunnel Kiln	1. Khairul Nizan Mohd Aris 2. Shamshuri Bin Jamaluddin 3. Mohamad Hafiz Mat Isa	Fakulti Seni Lukis & Seni Reka, UiTM Perak	Perak (Invention)
312	Egg Shell Ware: Bone China Alternative Material in Ceramicware	1. Mohd Khairi Baharom 2. Nur Miswarini Bt Mat Din	Fakulti Seni Lukis & Seni Reka, UiTM Perak	Perak (Invention)
319	Adjustable House Pillars for Flood Disaster	1. Mhd Nor Bin Osman	Fakulti Seni Lukis & Seni Reka, UiTM Perak	Perak (Invention)
345	Centella Asiatica: Bread & Spread	1. Mohd Hairi b jalis 2. Noristisarah Abd Shattar 3. Abd Razak B. Abu Kassim 4. Noraida Abdul Karim	FPHP, UiTM Terengganu	Perak (Invention)
346	Massage Furniture	1. Mohammad Azroll bin Ahmad 2. Haszkin bt Shahrudin 3. Mohd Rashidy b Samsudin	Fakulti Seni Lukis & Seni Reka, UiTM Kedah	Perak (Invention)
355	Project SMAW: Bridging Undergraduates with Workplaces	1. Dr. Siti Aishah Sheikh Abdullah 2. Prof. Madya Dr. Jusoh Yaacob 3. Prof. Madya Napisah Safli	FTMSK, UiTM Kelantan	Perak (Invention)
359	Keropok Cendawan	1. Samsul Bahari bin Osman 2. Nik Adnan Nik Mat 3. Sabaianah Bachok 4. Noradzhar Baba	FPHP, UiTM Terengganu	Perak (Invention)
372	Molek Dragon Fruit Filling	1. Mushaireen Musa 2. Rahman Abdullah 3. Khazainah Khalid 4. Noraida Abd Karim	FPHP, UiTM Terengganu	Perak (Invention)
374	Total Bed Material Load Equation for High Gradient River (HGRSED)	1. Dr. Shanker Kumar Sinnakaudan 2. Mohd Sofian Sulaiman 3. Teoh Sian Hoon	WAREM, UiTM Pulau Pinang	Perak (Invention)
379	Development of Hydrophilic SiO ₂ /TiO ₂ Double Layers Coating for Automotive Glass	1. Nur Fadzeelah Abu Kassim 2. Muhammad Zahiruddin Ramli 3. Nurul Huda Amri	Fakulti Kejuruteraan Kimia, UiTM	Perak (Invention)

	Application	4. Prof. Dr Ku Halim Ku Hamid	Pulau Pinang	
398	RL-Transformer-Java Code Transformation by Reducing Line of Code	1. Ismadi bin Md Badarudin 2. Mohd Saiyidi Mokhtar bin Mat Roni	FTMSK / F.Perakaunan, UiTM Melaka	Perak (Invention)
407	C-Smart Book Support	1. Widawati binti Ariffin 2. Selamah binti Md Yunos 3. Nurul Aida binti Noor Azizi 4. Rahamah binti Abdul Ghafar 5. Zakiah binti Baharu 6. Asmah binti Sabtu 7. Faizulkarnain bin Mamat 8. Ahmad Faiz bin Mohd Lazim 9. Muhd Adnan bin Mohamad 10. Zukri bin Mustafa	Perpustakaan Cendekiawan, UiTM Terengganu	Perak (Invention)

Pingat perak (Innovation) : Staf

No Booth	Tajuk Penyelidikan	Nama Penyelidik	Fakulti / Cawangan	Pingat
002	Mysmart Portable Locker	1. Mohd Khairul Idzwan bin Mohd Saad 2. Sakmah bt Sarif 3. Aznur Umiza bt Abu Kassim 4. Farizul Naba bin Esmat 5. Fauzi bin Md Noor 6. Arifin bin Jamaluddin 7. Mohd Fahizan bin Abdul Hamid 8. Katmidi bin Mejo 9. Sharul Hairy bin Shahrudin	Perpustakaan Tun Abdul Razak	Perak (Innovation)
006	CT-NOSIS	1. Norzehan binti Sakamat 2. Norizan binti Mat Diah 3. Afiza binti Ismail 4. Rohaini binti Mohd Noor	Fakulti Teknologi Maklumat & Sains Kuantitatif	Perak (Innovation)
013	Point-to-Point Searching Algorithm for Tourist Navigation System using Mobile Phone	1. Mohd Faisal bin Ibrahim 2. Nurshahrily Idura Haji Ramli 3. Haizrunnizam Harun	FTMSK	Perak (Innovation)
023	Intelligent Personality Analysis (iPAL)	1. Mohd Razif Shamsuddin 2. Prof. Madya Dr. Azlinah	FTMSK	Perak (Innovation)

		Mohamed		
025	Solid Lipid Nanoparticles of Palm Tocotrienols for Topical Application	1. Tommy Julianto Bustami Effendi 2. Suci Ameliya Reza Zairizal 3. Dr. Javad Sameni 4. Muhamad Rizal Abdul Rahim 5. Prof. Dr. Abu Bakar Majeed	Fakulti Farmasi	Perak (Innovation)
028	Herbs Effervescent	1. Tommy Julianto Bustami Effendi 2. Thellie Ponto 3. Eka Giyanti Puteri Ramli 4. Azlina A. Razak	Fakulti Farmasi	Perak (Innovation)
029	Sliced Herbs Jam	1. Tommy Julianto Bustami Effendi 2. Thellie Ponto 3. Azlina A. Razak 4. Suci Ameliya Reza Zairizal 5. Liza Salleh 6. Noor Meliza Jamil	Fakulti Farmasi	Perak (Innovation)
030	Jelly Gum Herbs	1. Tommy Julianto Bustami Effendi 2. Azlina A. Razak 3. Liza Salleh 4. Noor Meliza Jamil	Fakulti Farmasi	Perak (Innovation)
031	Natural Lip Balm	1. Thellie Ponto 2. Tommy Julianto Bustami Effendi 3. Eka Giyanti Puteri Ramli 4. Suci Ameliya Reza Zairizal	Fakulti Farmasi	Perak (Innovation)
043	INTEC Academic Quality Support System (IAQSS)	1. Ruzela Tapsir 2. Kamilliah Ab Wahab 3. Haliza Abdul Hamid 4. Kahartini Abdul Rahman	INTEC	Perak (Innovation)
044	Quality Rating System (AQuRS) for Audit Firms	1. Prof. Madya Dr. Zuraidah Mohd Sanusi 2. Prof. Madya Dr. Nor'azam Mastuki 3. Prof. Dr. Normah Omar 4. Aida Hazlin Ismail 5. Yusarina Mat Isa 6. Kamaruzzaman Muhammad 7. Syazliana Kasim 8. Siti Maznah Mohd Arif	Institut Penyelidikan Perakaunan (ARI) & Fakulti Perakaunan	Perak (Innovation)

		9. Norlela Zaini 10. T Chantrathevi Thuraisingam 11. Roszana Taspir		
057	Innovative Fuel Injector Utilizing CASI Technology for Meso-Scale Rocket	1. Ahmad Hussein B. Abdul Hamid 2. Wan Mohd Fairuz bin Wan Mamat 3. Zulkifli bin Abdul Ghaffar 4. Prof. Madya Dr. Rahim Atan	Fakulti Kejuruteraan Mekanikal	Perak (Innovation)
062	Externalization of Community Tacit Knowledge for Batik Design Educational E-Gallery	1. Prof. Madya Dr. Nor Laila Md Noor 2. Ariza Nordin 3. Suriyati Razali 4. Prof. Dato' Dr. Ahmad Zainuddin	Fakulti Teknologi Maklumat & Sains Kuantitatif / MOHE	Perak (Innovation)
080	Flexible Ice Bag	1. Mohd Noorazam Bin Abd Razak 2. Mohd Zaihan Bin M Zainal 3. Prof. Madya Dr. Anuar Suun	Fakulti Pendidikan / Industri-Sports Galaxy /Majlis Sukan Negara (MSN)	Perak (Innovation)
082	Part-Whole Thinking Concept for Early Arithmetic	1. Prof. Madya Dr. Parmjit Singh	Fakulti Pendidikan	Perak (Innovation)
101	Prototype of Fish Bone Diagnosis System	1. Dr. Mohd Hanafi Ali 2. Alice Demi Anak Numpang 3. Noor Elaiza Abdul Khalid 4. Shafaf Ibrahim	Fakulti Sains Kesihatan / FTMSK	Perak (Innovation)
108	Keniam Model: A Strategy for Enhancing R&D Programmes	1. Prof. Dr. Rahmat Mohamad 2. Prof. Madya Dr. Mohd Nazip Suratman 3. Prof. Madya Dr Zaini Abdullah 4. Muhammad Sufyan Mohd Zaki 5. Prof. Madya Dr. Jasmee Jaafar 6. Badrul Hisham Hussein 7. Mohd Salleh Daim	AALCO / PPS / RMI / Fakulti Sains Sukan & Rekreasi / Fakulti Seni Bina & Perancangan Ukur	Perak (Innovation)
109	RHAf Lite Brick	1. Prof. Madya Ir Kartini Kamaruddin 2. Prof. Madya Dr. Hamidah Mohd Saman 3. Nurul Badiin Abdul Ghani 4. Nurul Hani Hasnan	Fakulti Kejuruteraan Awam	Perak (Innovation)

114	Textile Waste/Latex Composites for Various Technical Applications	1. Che Mohamad Som Said 2. Dr. Mohd Rozi Ahmad 3. Mona Rita Othman 4. Normala Hassim 5. Nur Aida Mad Nor @ Mod Sol	Fakulti Sains Gunaan	Perak (Innovation)
116	Nephelium lappaceum Chips	1. Radziah Wahab 2. Fauziah Marpani 3. Prof. Madya Dr. Norazah Abd Rahman	Fakulti Kejuruteraan Kimia	Perak (Innovation)
117	The Potential of Pithecellobium Jiringa in Treating Wastewater	1. Habsah Alwi 2. Radziah Wahid 3. Nor Hazelah Kasmuri 4. Suhaiza Hanim Hanipah 5. Fauziah Marpani	Fakulti Kejuruteraan Kimia	Perak (Innovation)
121	SBStratCom	1. Prof. Madya Dr. Za'faran Hassan 2. Dr. Norzaidi Mohd Daud 3. Dr. Zaini Abdullah 4. Dr. Sarminah Samad	Fakulti Pengurusan Perniagaan	Perak (Innovation)
123	SIM-PACK Made Easy	1. Intan Salwani Bt Mohamed 2. Dr. Norzaidi Mohd Daud 3. Prof. Dr. Normah Bt Omar	ARI & Fakulti Perakaunan	Perak (Innovation)
124	HomeMate: Home Asset Management System	1. Intan Salwani Bt Mohamed 2. Dr. Norzaidi Mohd Daud 3. Ahmad Ruzaini bin Mohamed	ARI & Fakulti Perakaunan / INTEC	Perak (Innovation)
127	Durable, Tough and Lasting Pavement: Properties of HMA Mixes Produced with Polymer-Modified and Terminal Blend Rubber-Modified Binders	1. Prof. Madya Ir. Dr. Mohd Yusof bin A. Rahman 2. Juraidah binti Ahmad 3. Ekarizan binti Shaffie	Fakulti Kejuruteraan Awam	Perak (Innovation)
128	A Computer Item Analysis Software for Enhancing Quality of Multiple Choice Questions	1. Prof. Madya Dr. Chan Yuen Fook 2. Prof. Madya Dr. Gurnam Kaur Sidhu	Fakulti Pendidikan	Perak (Innovation)
133	Spice Up	1. Mohd Shazali Haji Md Sharif 2. Dr. Hamdin Haji Salleh 3. Dr. Salehuddin Mohd Zahari 4. Noriza Ishak 5. Azlan Supardi	Fakulti Pengurusan Hotel & Pelancongan	Perak (Innovation)
138	Enhancement of Structural Capacities in Lattice Tower using Mechanical Jointed	1. Prof. Madya Ir. Dr. Sooi Took Kowng 2. En. Yong Chua Bon	Fakulti Kejuruteraan Awam	Perak (Innovation)

	Bracing	3. Prof. Wan Mahmood Wan Ab Majid 4. Ir. Hj. Shan bin Suleiman		
157	WON-Scrub-Unearthing Nature's Wonder	1. Prof. Madya Dr. Zainon Mohd Noor 2. Prof. Madya Dr. Norhana Abdullah 3. Prof. Madya Dr. Rohaya Ahmad	Fakulti Sains Gunaan	Perak (Innovation)
159	Park and Ride Model	1. Norlida Abdul Hamid	FPP	Perak (Innovation)
161	Phyllanthus Niruri Chewable Tablet	1. Meor Mohd Redzuan Meor Mohd Affandi 2. Tommy Julianto Bustami Effendi	Fakulti Farmasi	Perak (Innovation)
169	360 Degrees Online Internship Evaluation System	1. Shereen Noranee 2. Rochin Demong 3. Abdul Latif bin Abd Rahman 4. Maimunah Mohd Shah 5. Lailatul Faizah Abu Hassan 6. Nor Irvoni Mohd Ishar	Fakulti Pengurusan & Teknologi Pejabat	Perak (Innovation)
172	Staff/Student Activity Reporting System (StARS)	1. Prof. Madya Dr. Narehan Hassan 2. Rochin Demong 3. Lailatul Faizah Abu Hassan 4. Nor Irvoni Mohd Ishar	Fakulti Pengurusan & Teknologi Pejabat	Perak (Innovation)
184	Nanopowder Phospho-olivines Cathode Material for Lithium Batteries	1. Azlin Sanusi 2. Shanti Navaratnam	INTEC	Perak (Innovation)
186	Value Creation Through Knowledge Management and Intellectual Capital	1. Dr. Kalsom Salleh 2. Dr. Ching Choo Huang 3. Prof. Dr. Syed Noh Syed Ahmad	Fakulti Perakaunan	
203	Hi-Fibre Low-Cal Crunchy Guyabano Yogurt	1. Dr. Aishah Bujang 2. Norahiza Mohd Soheh 3. Emma Narina Amir Zaki 4. Siti Marhani Mardi	Fakulti Sains Gunaan	Perak (Innovation)
205	Detection of Corynebacterium Pseudotuberculosis Infection in Sheep, Goats and Cattles using Surface Plasmon Resonance	1. Prof. Madya Dr. Dzaraini binti Kamarun 2. Dr. Sharifah Aminah Syed Mohamed	Fakulti Sains Gunaan	Perak (Innovation)
218	A New Technique for Optimal	1. Prof. Dr. Titik Khawa Abdul	Fakulti	Perak

	Location and Sizing of Distributed Generation in Power Distribution System	Rahman 2. Prof. Madya Dr. Ismail Musirin 3. Prof. Madya Dr. Zuhaina Zakaria 4. Norziana Aminuddin	Kejuruteraan Elektrik	(Innovation)
242	My Score Card (Prototaip)	1. Melissa Shahrom 2. Shereen Noranee 3. Sri Fatiany Abdul Kader Jailani 4. Annurizal b Anuar 5. Rahayu bt Hassanordin 6. Nor Azilah Mohd Asarani 7. Noor Azzah Mohd Said	Fakulti Pengurusan & Teknologi Pejabat	Perak (Innovation)
245	The Novel Anti-Obesity Herbs Chewable Tablet	1. Dr. Nahlah Elkudssiah Ismail 2. Dr. Mizaton bt Hazizul Hasan 3. Tommy Julianto Bustami Effendi	Fakulti Farmasi	Perak (Innovation)
255	Inovasi Struktur Snack Caf� E-Gloo Ice Cream House serta Merekabentuk Detachable Mobile Kiosk E-Gloo Ice Cream House di bawah Program Kelab Ushawan MEDEC	1. Hjh Che Asniza bt Osman 2. Amir Azfar Zainal 3. Mohamad Shaheir Sabaruddin 4. Abdul Raheym Ahmad	MEDEC / FKJM / FPP / FTMSK	Perak (Innovation)
263	Myparks: The Malaysian Park Portal	1. Kamarul Bahrain b Shuib 2. Habsah bt Hashim	FSPU	Perak (Innovation)
268	Lab-Spect: Laboratory Sensor Performance Evaluation Course Tool	1. Zuhaila Mat Yasin 2. Prof. Madya Dr. Hadzli Hashim 3. Dr. Muhammad Murtadha Othman 4. Fuad Mohd Latip 5. Norlaila Omar 6. Hanunah Othman 7. Husna Zainol Abidin 8. Norhazlin Khairudin 9. Syazilawati Mohamed	Fakulti Kejuruteraan Elektrik	Perak (Innovation)
269	Pro-Spect: Project Sensor Performance Evaluation Course Tool	1. Prof. Madya Dr. Ismail Musirin 2. Shafinaz Sobihana Shariffudin 3. Prof. Madya Pauziah Mohd Arshad 4. Noor Hashimah Baba 5. Dr. Azilah Saparon	Fakulti Kejuruteraan Elektrik	Perak (Innovation)

		6. Mohd Khoiri Nordin 7. Nur Ashida Salim 8. Mohd Fuad Abdul Latip 9. Prof. Madya Dr. Hadzli Hashim		
270	Earthquake Prediction Technique based on GPS Dual Frequency System in Equatorial Region	1. Mohamad Huzaimy Jusoh 2. Hasnida Saad 3. Ahmad Ihsan Mohd Yasin 4. Ahmad Asari Sulaiman 5. Noor Hasimah Baba 6. Zuhani Ismail Khan 7. Robi'atun Adayiah Awang	Fakulti Kejuruteraan Elektrik	Perak (Innovation)
273	A Testing System for Monitoring Water Quality	1. Husna Abdul Rahman 2. Ermeey Abd Kadir 3. Mohd Farid 4. Nani Fadzlina 5. Hasnida Saad	Fakulti Kejuruteraan Elektrik / UiTM Terengganu	Perak (Innovation)
275	A Local Web Database for Malaysian Alzheimer's Disease based on Biodiversity	1. Farah Yasmin Abdul Rahman 2. Ahmad Ihsan Mohd Yassin 3. Husna Zainol Abidin 4. Prof. Madya Dr. Habibah Hashim	Fakulti Kejuruteraan Elektrik	Perak (Innovation)
281	Application of Discrete Particle Swarm Algorithm for Base Station Selection in Mobile Telecommunications	1. Ahmad Ihsan Mohd Yassin 2. Prof. Dr. Mohd Nasir Taib 3. Farah Yasmin Abdul Rahman 4. Mohd Huzaimy Jusoh	Fakulti Kejuruteraan Elektrik	Perak (Innovation)
284	Nondestructive Grading Watermelon Ripeness	1. Prof. Ir. Dr. Shah Rizam Shah Baki 2. Farah Yasmin Abdul Rahman 3. Ahmad Ihsan Mohd Yasin	Fakulti Kejuruteraan Elektrik	Perak (Innovation)
286	Intelligent Shopping Trolley	1. Prof. Madya Dr. Rosidah Musa 2. Mazzini Muda 3. Dr. Lennora Putit 4. Dr. Md Nasaruddin Husin	Fakulti Pengurusan Perniagaan	Perak (Innovation)
287	Retail Relationship Quality Index (RRQI)	1. Prof. Madya Dr. Rosidah Musa 2. Mazzini Muda 3. Dr. Lennora Putit 4. Dr. Md Nasaruddin Husin	Fakulti Pengurusan Perniagaan	Perak (Innovation)
289	Customer Satisfaction Index (CSI) for Supporting	1. Hisham bin Md Basir 2. Che Faridah Che Mahmud	FTMSK / FPP, UiTM Johor	Perak (Innovation)

	Departments	3. Mazlyda Abd Rahman		
292	S' PinTAR ('Sistem Penilaian Teknik Belajar)	1. Hisham bin Md Basir 2. Ahmad Kamal Mohd Yusop 3. Azmi Salim 4. Sulaiman Mahzan	UiTM Johor / Pahang / Perak	Perak (Innovation)
293	Software Process Maturity Assessment Model	1. Shukor Sanim Mohd Fauzi 2. Nuraminah Ramli 3. M. Hairul Nizam M. Nasir	FTMSK, UiTM Perlis / UPSI / UM	Perak (Innovation)
294	Improving Performance of Authorization Process in Credit Card System using Singleton Design Pattern & Thread-Level Parallelism	1. Shukor Sanim Mohd Fauzi 2. M. Hairul Nizam M. Nasir 3. Hazrina Hassan	FTMSK, UiTM Perlis / UM	Perak (Innovation)
295	Automating a Modified Personal Software Process	1. Shukor Sanim Mohd Fauzi 2. M. Hairul Nizam M. Nasir 3. Hazrina Hassan	FTMSK, UiTM Perlis / UM	Perak (Innovation)
296	OSB Floor Decking from Leucaena Ieucocephala Wood	1. Wan Mohd Nazri Wan Abdul Rahman 2. Prof. Madya Dr. Jamaludin Kasim 3. Dr. Rahim Sudin 4. Dr. Nor Yuziah M. Yunus	FSG, UiTM Pahang / FRIM/ Malayan Adhesive and Chemicals Sdn Bhd	Perak (Innovation)
302	Electronic Examination System (e-Exam)	1. Khairul Nizam Bin Abd Halim 2. Razulaimi Bin Razali	UiTM Pahang	Perak (Innovation)
303	Project Management Internal Control System "Pronet"	1. Nik Maheran Nik Muhammad 2. Ghazali Osman 3. Filzah Md Isa 4. Bidin Chee Kifli	FPP,UiTM Kelantan / UUM	Perak (Innovation)
308	Gerlis daripada Abu Buangan Sampah Domestik Mesin "Incinerator"	1. Zahirah Binti Harun 2. Mohd Khairi Bin Baharom 3. Nor Nazida Bt Awang	Fakulti Seni Lukis & Seni Reka, UiTM Perak	Perak (Innovation)
315	Produk Seramik Berasaskan Plaster of Paris dan Paorcelain (PLAS-CEL)	1. Nor Azida Awang 2. Zahirah Binti Harun 3. Khairul Nizan Mohd Aris 4. Mohd Khairi Bin Baharom	Fakulti Seni Lukis & Seni Reka, UiTM Perak	Perak (Innovation)
329	Smart Air-Con Controller	1. Mazlina Binti Mansur Hassan 2. Masmaria Bibti Abdul Majid 3. Susiantie Binti Abdul Karim 4. Zulkifli Bin Elia 5. Ishak Bin Annuar 6. Mohamad Rafi Abdul Wahab	Fakulti Kejuruteraan Elektrik, Fakulti Sains Pentadbiran & Pengajian Polisi	Perak (Innovation)

		7. Safizie Saji 8. Zunaidi Ahmat	,UiTM Sarawak	
331	ABG: Accounting Balancing Game	1. Susana Narawi 2. Dayang Nazari Awang Drahman 3. Faridah Ismail 4. Tina Stephen Enggong 5. Mohd Zafian Mohd Zawawi 6. Siti Nursarjana bt Malim	Fakulti Perakaunan, UiTM Sarawak	Perak (Innovation)
332	Potential of Local Made Yeast Cake in Bio-ethanol Production from Blended Feedstock	1. Juferi Idris 2. Miradatul Najwa binti Muhd Rodhi 3. Prof. Dr. Ku Halim Ku Hamid 4. Mohibah Musa	Fakulti Kejuruteraan Kimia, UiTM Sarawak	Perak (Innovation)
335	Portable Vertical Column Formwork Alignment Surveying Tool (PORVEC)	1. Noorsaidi bin Mahat 2. Prof. Madya Sr. Jamaludin b. Mohd Aris 3. Mohamad Ezad Hafez b. Mohd Pahraraji 4. Mohd Zafian Mohd Zawawi 5. Nurul Asra bt Abd Rahman 6. Wan Faizal Iskandar b. Wan Abdullah 7. Mohamad Rohaizat b. Mohamed Rashod 8. Myzatul Aishah b. Kamarazaly 9. Ahmad Faiz b. Abd Rashid 10. Shahela bt Mamter 11. Sallehan b. Ismail	FSPU, FPP, FKJA, FSSR UiTM Sarawak	Perak (Innovation)
337	SQUEEBLE	1. Johanna Adlin binti Ahmad 2. Myzatul Aishah Kamarazaly 3. Silverina Kibat 4. Suzani Azmin	FPHP , FSPU, FSSR UiTM Sarawak	Perak (Innovation)
343	fROSHi-Frozen Sushi-An Application of Disaccharides to the Textural Properties and Sensory Characteristic of frozen Sushi	1. Husin Khan Rahmatullah 2. Prof. Madya Dr. Mohd Salehuddin Mohd Zahari 3. Zulhan Othman 4. Mohd Zain Kutut 5. Raja Muhammad Ibrahim Raja Iskandar	Fakulti Pengurusan Hotel & Pelancongan / UiTM Pulau Pinang	Perak (Innovation)
357	gurusan Prestasi Pensyarah melalui e-PPREST	1. Muzamil bin Mustaffa 2. Sarina binti Hashim	Fakulti Sains Gunaan, UiTM Pahang	Perak (Innovation)

362	Keberkesanan Tutorial Video Digital sebagai Alat Bantu Mengajar dalam Proses Pengajaran dan Pembelajaran Kursus Perisian Multimedia	1. Lili Eliana bt Mohd Radzuan 2. Mohamed Razeef b Abdul Razak	Fakulti Seni Lukis & Seni Reka, UiTM Melaka	Perak (Innovation)
369	Landslide Risk Profiling Along Road	1. Mohd Fairuz Bachok 2. Prof. Dr. Roslan Zainal Abidin 3. Rohaya Alias 4. Hamjah Rusli	Fakulti Kejuruteraan Awam, UiTM Pahang / IRC DIP	Perak (Innovation)
376	Evaluation of Agricultural Waste Material as Soil Stabilizing Agent for Soft Soil	1. Muhammad Sofian Abdullah 2. Anas bin Ibrahim 3. Chow Shiao Huey 4. Dr. Ir. Mohd Farid Ahmad@Majid	Fakulti Kejuruteraan Awam, UiTM Pulau Pinang	Perak (Innovation)
377	Coconut Energy Bar (An Application of Coconut Residue in Candy Making)	1. Hussin Khan bin Rahmahtullah Khan 2. Mohamad Azli Razali 3. Mohd Zain bin Kutut 4. Mohamed Abdullah Hemdi 5. Khairul Hidayat bin Rezo 6. Norhamizan bin Hamir 7. Mohd Salehuddin Mohd Zahari 8. Zulhan Othman	Fakulti Pengurusan Hotel & Pelancongan, Pulau Pinang	Perak (Innovation)
386	E-Kiosk FKE	1. Azuwa binti Ali 2. Mohd Hanapiah bin Abdullah 3. Nur Athiqah binti Harron 4. Ahmad Puad bin Ismail	Fakulti Kejuruteraan Elektrik, UiTM Pulau Pinang	Perak (Innovation)
388	Raw Score Key-in System	1. Mohd Affandi bin Shafie 2. Kamarulazhar Daud 3. Saiful Zaimy Yahaya 4. Norhayati binti Mohd Noor	Fakulti Kejuruteraan Elektrik, UiTM Pulau Pinang	Perak (Innovation)
392	Kaedah Siraman Pokok Kendalian Sistem Dwi-Auto	1. Rasdi bin Deraman 2. Mohamad Sarih bin Daud 3. Mazlan bin Mohamed 4. Bakri bin Ali	FKJM, FKJE UiTM Pulau Pinang	Perak (Innovation)
396	Aplikasi Telefon Bimbit: Waktu Solat Malaysia (WSM)	1. Mohamad Asrul Mustafar 2. Mohd Azwan Abbas 3. Tengku Afrizal Tg Ali	FSPU, UiTM Perlis	Perak (Innovation)

397	E-Vote v 1.0	1. Prof. Madya Dr. Sharifah Lailee bt Syed Abdullah 2. Prof. Madya Dr. Nik Ramli b Nik Abdul Rashid 3. Nadia bt Abdul Wahab 4. Mohammad Hafiz b Ismail	FTMSK , RMU UiTM Perlis	Perak (Innovation)
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Pingat perak (Design) : Staf

No Booth	Tajuk Penyelidikan	Nama Penyelidik	Fakulti / Cawangan	Pingat
047	Korelasi antara Lukisan dan Perkembangan Kognitif Kanak-Kanak Pra-Sekolah ke dalam Seni Batik	1. Prof. Dr. Abdul Shukor Bin Hashim 2. Siti Zuraida Binti Maaruf 3. Hamimah Binti Hashim 4. Sumardiashah Bin Silah	Fakulti Pendidikan	Perak (Design)
048	Falsafah MIM dalam Seni Visual (Catan)	1. Prof. Dr. Abdul Shukor Bin Hashim 2. Sumardiashah Bin Silah	Fakulti Pendidikan	Perak (Design)
267	A Design of Spiral Inductor using Multilayer Structure Approach	1. Zuhani Ismail Khan 2. Hanisah Muhamed Nadzar 3. Ahmad Asari Sulaiman 4. Mohamad Huzaimy Jusoh 5. Noor Hasimah Baba 6. Robi'atun Adayiah Awang	Fakulti Kejuruteraan Elektrik	Perak (Design)
285	A Design of Dual-Band Microstrip Antenna	1. Noor Hasimah Baba 2. Nur Illyana Ali 3. Robi'atun Adayiah Awang 4. Ahmad Asari Sulaiman 5. Zuhani Ismail Khan 6. Mohamad Huzaimy Jusoh	Fakulti Kejuruteraan Elektrik	Perak (Design)
364	Pameran ' Belek-Belek'	1. Rosli b Zakaria 2. Raziq Abdul Samad 3. Hisamuddin Ahmad 4. Azahari Khalip 5. Mohd Fazli Othman 6. Ahmad Zuraimi Abdul Rahim 7. Shahrin Sulaiman 8. Arif Ali 9. Wan Nor Ayuni	Fakulti Seni Lukis & Seni Reka, UiTM Melaka	Perak (Design)

		10. Nik Nor Azida Nik Aziz 11. Norfariza Baharudin 12. Haslinda Abd Razak 13. Diana Ibrahim 14. Baharim Samuri 15. Abd Rasid Ismail 16. Mohamed Razeef Abdul Razak 17. Ahmadrashidi Hassan 18. Azhar Harun 19. Mohd Saharuddin Supar 20. Ariffin Ismail 21. Dona Lowi Madon 22. Rosliza Abdul Rahim 23. Tengku Shahril Norzaimi		
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Pingat Gangsa (Invention) : Staf

No Booth	Tajuk Penyelidikan	Nama Penyelidik	Fakulti / Cawangan	Pingat
053	I-Learn Training Registration System (ITRS)	1. Mohd Nor Hajar Hasrol Jono 2. Prof. Madya Dr. Posiah Mohd Isa 3. Mohd Ali Mohd Isa 4. Mohd Nor Mamat 5. Azlan Abdul Aziz 6. Siti Rahayu Abdul Aziz 7. Nor Adora Endut 8. Nurul Hidayah Mat Zain 9. Nurmaisara Za'ba 10. Prasanna A/P Ramakrisnan 11. Saliza Ramly 12. Nurul Mardhiah Azura Md Nazar 13. Syamsul Ariffin Yahaya	i-Learn Center	Gangsa (Invention)
068	An Intelligent System: Decision Problem Structuring Process v 1.0	1. Prof. Madya Dianne Cheong Lee Mei	Fakulti Teknologi Maklumat & Sains Kuantitatif	Gangsa (Invention)
085	A Systematic Approach to Value Management Application	1. Dr Aini Jaapar 2. Nor Azmi Ahmad Bari 3. Dr. Intan Rohani Endut 4. Dr Roshana Takim	Fakulti Seni Bina & Perancangan Ukur	Gangsa (Invention)

086	The Template of Procedures for Physical Asset Management	1. Dr. Aini Binti Jaapar 2. Zahurin Binti Husin 3. Dr. Emma Marinie Ahmad Zawawi 4. Dr. Sr Syahrul Nizam Bin Kamaruzzaman	FSPU / Politeknik Kota Bharu	Gangsa (Invention)
095	Fertiliser from Tropical Fruits Wastes (Skin/Peel Off)	1. Prof. Madya Dr. Dasimah Bt Omar	Fakulti Seni Bina & Perancangan Ukur	Gangsa (Invention)
106	Odorless Bin	1. Hanafiah Zainal Abidin 2. Mohibah Musa 3. Juferi Idris	Fakulti Kejuruteraan Kimia / UiTM Sarawak	Gangsa (Invention)
107	Electronic Record Management System (ERMS)	1. Prof. Madya Dr. Adnan Jamaludin 2. Ahmad Zam Hariro Samsudin 3. AP-Azli bin Bunawan	Fakulti Pengurusan Maklumat	Gangsa (Invention)
134	Traditional Percik Sauce	1. Irwan Affendi bin Abdul Razak 2. Abdullah bin Mohamed Yusoff 3. Zarina binti Md Yunus 4. Saiful Zamri bin Jamaluddin 5. Mohd Lokman bin Yasin	Fakulti Pengurusan Hotel & Pelancongan	Gangsa (Invention)
139	Spicy Bittergourd Crackers	1. Noriza Ishak 2. Mohd Shazali Md Sharif 3. Saidatul Afzan Abdul Aziz 4. Ahmad Esa Abdul Rahman 5. Roslina Ahmad 6. Prof. Madya Dr. Sallehudin Mohd Zahari	Fakulti Pengurusan Hotel & Pelancongan	Gangsa (Invention)
140	Blooming Jelly: Choco Gummy Candy	1. Noriza Ishak 2. Mohd Shazali Md Sharif 3. Saidatul Afzan Abdul Aziz 4. Ahmad Esa Abdul Rahman 5. Roslina Ahmad 6. Prof. Madya Dr. Rahmat Hashim	Fakulti Pengurusan Hotel & Pelancongan	Gangsa (Invention)
144	Genius Bites	1. Roslina Ahmad 2. Prof. Madya Dr. Rahmat Hashim 3. Alina Shuhaida Mohammad Ramly 4. Noriza Ishak 5. Ahmad Esa Ibrahim	Fakulti Pengurusan Hotel & Pelancongan	Gangsa (Invention)

145	Love Bites	1. Alina Shuhaida Mohammad Ramly 2. Prof. Madya Dr. Mohd Salehuddin Mohd Zahari 3. Roslina Ahmad 4. Noriza Ishak 5. Saidatul Afzan Abdul Aziz	Fakulti Pengurusan Hotel & Pelancongan	Gangsa (Invention)
156	Agroboard	1. Shahril Anuar Bahari 2. Prof. Madya Dr. Mohd Ariff Jamaludin 3. Judith Gisip 4. Mohd Safuan Nadzin 5. Nurul Nadiah Mohd Firdaus Hum 6. Sitiarfah Abu Bakar	Fakulti Sains Gunaan	Gangsa (Invention)
197	Blue Pea Jazzy Drink	1. Ali bin Mohamad Noor 2. Noriza Ishak 3. Prof. Madya Rozita Abu 4. Maria Mohd Salleh	Fakulti Pengurusan Hotel & Pelancongan	Gangsa (Invention)
239	A State of the Art Single Dial-Type Prototype Model for Polyurethane Injection Process	1. Prof. Madya Ir. Dr. Hj Ahmed Jaafar 2. Noriah bt Yusoff 3. Elwan Salleh 4. Faizazairi b Mohamad Riduan	Fakulti Kejuruteraan Mekanikal	Gangsa (Invention)
271	Development of Telephone Line Security Device	1. Mohd Faizul b Md Idros 2. Abdul Hadi Abdul Razak 3. Adizul Ahmad 4. Zulazri Mohd Ahnuar	Fakulti Kejuruteraan Elektrik	Gangsa (Invention)
305	WAREX	1. Syed Alwi Syed Abu Bakar 2. Khairil Afaizal Hashim	Fakulti Seni Lukis & Seni Reka, UiTM Perak	Gangsa (Invention)
310	Pembungkusan Makanan Tahan Panas untuk Angkatan Tentera Malaysia	1. Mohd Khairul Azahari bin Abdul Rani 2. Maziah Binti Ab. Rashid 3. Ahmad Yasir Bin Md Said 4. Adnan Bin Ibrahim	Fakulti Seni Lukis & Seni Reka, UiTM Perak	Gangsa (Invention)
314	Smart Sensor System (SS SYSTEM)	1. Muhamad Abdul Aziz B. Ab. Gani 2. Hanafi B. Mohd Tahir 3. Mohd Nasir B. Ab. Gani	FSSR, UiTM Perak / UNITEN	Gangsa (Invention)
317	Mengkuang Weaving Interactive CD-ROM	1. Syahrul Nizam B. Shaari 2. Hanafi B. Mohd Tahir	Fakulti Seni Lukis & Seni	Gangsa

		3. Norita Bt Abdul Kadir	Reka, UiTM Perak	(Invention)
324	LAT Mover	1. Hasmah Bt Mohidin 2. Mohamad Syukrie Abu Talip 3. Abdul Rahim Mohamad Nor 4. Samsol Musa 5. Norhisham Sirat 6. Zamri Ejey 7. Abdul Karim Othman 8. Zulkifli Aswan 9. Sulaiman Man	Fakulti Sains Gunaan, UiTM Sarawak	Gangsa (Invention)
347	Course File Management System (CFMS)	1. Mohd Norafizal Abd Aziz 2. Muhd Eizan Shafiq Abd Aziz 3. Mahfudzah Othman 4. Zainab Othman 5. Siti Nurbaya Ismail 6. Mazliana Hasnan 7. Fazlin Marini Hussain 8. Nor Zalina Ismail	Fakulti Teknologi Maklumat & Sains Kuantitatif, UiTM Pahang	Gangsa (Invention)
350	Penghasilan Keropok Lekor Menggunakan Campuran Tepung Labu	1. Nik Adnan Nik Mat 2. Razlan Adli Zain 3. Samsul Bahri Usman 4. Noraida Abdul Karim	Fakulti Pengurusan Hotel & Pelancongan, UiTM Terengganu	Gangsa (Invention)
353	An Interactive Web-Based Virtual Tour of a University Campus	1. Anis Hasliza Abu Hashim 2. Norfiza Ibrahim 3. Hjh Mazliana Hasnan 4. Kamisah Hj Ariffin	FTMSK, UiTM Pahang, UiTM Perlis	Gangsa (Invention)
356	Smart Empty Spaces Identification for Advance Car Parking System using Xilinx ISE	1. Sharifah Saliha bin Syed Bahrom 2. Mohd Hanapiah Abdullah 3. Nur Azlan bin Abdul Malek 4. Syarifah Adilah Mohamed Yusof	Fakulti Kejuruteraan Elektrik, UiTM Pulau Pinang	Gangsa (Invention)
383	Mobile Car Porch	1. Bakri bin Ali 2. Noor Azlina bt Mohd Salleh 3. Yusli bin Yaacob	Fakulti Kejuruteraan Mekanikal, UiTM Pulau Pinang	Gangsa (Invention)

Pingat Gangsa (Innovation) : Staf

No Booth	Tajuk Penyelidikan	Nama Penyelidik	Fakulti / Cawangan	Pingat
003	Nano Structured Lithium Manganese Oxides for High Energy Density Li-ion Batteries	1. Prof. Madya Dr. Norlida Kamarulzaman 2. Lili Widarti Zainudin 3. Norashikin Kamarudin 4. Nor Azida bt Abdul Aziz	Institut Sains	Gangsa (Innovation)
015	New Curricular Industrial Practicum Training Program in Faculty Business Management, Shah Alam	1. Sariwati Mohd Shariff 2. Shatina Saad 3. Shamsul Azren Mohd Shukor 4. Nazura Mohamed Sayuti	Fakulti Pengurusan Perniagaan	Gangsa (Innovation)
020	Breast Cancer Detection using Snake Algorithms	1. Rohana Embong 2. Abdul Kadir Jumaat 3. Siti Salmah Yasiran 4. Prof. Madya Dr. Wan Eny Zarina Wan Abdul Rahman 5. Prof. Madya Dr. Rozi Mahmud	Fakulti Teknologi Maklumat & Sains Kuantitatif	Gangsa (Innovation)
027	Bird's Nest Breast Mask Gel	1. Thellie Ponto 2. Tommy Julianto Bustami Effendi 3. Suci Ameliya Reza Zairizal 4. Eka Giyanti Puteri Ramli 5. Liza Salleh 6. Noor Meliza Jamil	Fakulti Farmasi	Gangsa (Innovation)
033	Merim Framework	1. Dr. Radiah Othman 2. Dr. Rashid Ameer 3. Yusarina Mat Isa	ARI & Fakulti Perakaunan/Institut Pengurusan Penyelidikan (RMI)	Gangsa (Innovation)
038	Design Tools for Kansei Website	1. Prof. Madya Dr. Norlaila Md Noor 2. Anitawati Mohd Lokman 3. Prof. Dr. Mitsuo Nagamachi	Fakulti Teknologi Maklumat & Sains Kuantitatif	Gangsa (Innovation)
055	Model Penentuan Bilangan Tempat Letak Kereta untuk Perumahan Bertingkat di Wilayah Persekutuan Kuala Lumpur	1. Prof. Madya Ir. Bahardin bin Baharom 2. Prof. Madya Zakaria Ahmad 3. Dr. Muhammad Akram Adnan 4. Prof. Madya Dr. Ismail Atan 5. Azimah daud 6. Mohd Ezuan Abd Rahim	FSPU, MITRANS, FKJA, FPP	Gangsa (Innovation)
067	Disclosure Listing of Risk	1. Prof. Madya Dr. Ruhaya binti	ARI /Fakulti	Gangsa

	Information	Hj Atan 2. Enny binti Nurdin Sutan Maruhun	Perakaunan , UiTM Perak	(Innovation)
072	A Prototype of a Web-Based Facilities Management System (FMS) for Faculty of Office Management and Technology, Shah Alam Campus, UiTM	1. Tuan Badrol Hisham Tuan Besar 2. Lailatul Faizah Abu Hassan 3. Rochin Demong	Fakulti Pengurusan & Teknologi Pejabat	Gangsa (Innovation)
073	Plan Your Own Business (PyoB)	1. Tuan Badrol Hisham Tuan Besar 2. Muhammad Iskandar Hamzah 3. Annurizal Anuar 4. Hazira Binti Mohd Nasir 5. Mohd Khalid Mohd Abas	Fakulti Pengurusan & Teknologi Pejabat	Gangsa (Innovation)
084	Rubber Seed as the Potential Growing Medium for Xanthan Gum Production	1. Radziah Wahid 2. Miradatul Najwa binti Muhd Rodhi 3. Prof. Madya Dr. Murthy V.P.S. Veluri	Fakulti Kejuruteraan Kimia	Gangsa (Innovation)
097	WISE (Women of Independence and Societal rEngineering): Setting WI~2020	1. Prof. Madya Dr. Norashfah Hanim Yaakop Yahaya Al-Haj 2. Dr. Nurol'ain Mustapha	Fakulti Pengurusan Perniagaan	Gangsa (Innovation)
099	Enhancement of Microbial Production of Xanthan by the Development of a Palm-Oil Based Growth Medium	1. Prof. Madya Dr. Murthy V.P.S. Veluri 2. Miradatul Najwa binti Muhd Rodhi 3. Dr. Kalavathy Ramasamy	Fakulti Kejuruteraan Kimia , Fakulti Farmasi	Gangsa (Innovation)
100	Enhancement of Mass Transfer Rate in a Stirred Tank Reactor using Palm Oil in Model Media	1. Prof. Madya Dr. Murthy V.P.S. Veluri 2. Suhaila binti Mohd Saud 3. Miradatul Najwa binti Muhd Rodhi	Fakulti Kejuruteraan Kimia	Gangsa (Innovation)
102	Flood Hazard Simulation using 3D Computer Graphic	1. Jasrul Nizam Ghazali 2. Mohd Suffian Sulaiman 3. Syamsulhairi Yaakop	Fakulti Teknologi Maklumat & Sains Kuantitatif	Gangsa (Innovation)
103	Automated Tracking System	1. Prof. Madya Dr. Jasmee Jaafar 2. Azman Ali M. Habib Rahman 3. Roslina Idris	Institut Pengurusan Penyelidikan (RMI)	Gangsa (Innovation)
112	Planters Advertising	1. Mazzini Muda	Fakulti Pengurusan Perniagaan	Gangsa (Innovation)

115	Fabric Waste/Scrap Rubber Composite as Palyground Tiles	1. Che Mohamad Som Said 2. Dr. Mohd Rozi Ahmad 3. Mona Rita Othman 4. Mohammad Harris Yahya 5. Ruqaiyah Hj Abdul Rahim	Fakulti Sains Gunaan	
126	Inovasi Membangunkan Handdy Buddy-3M's untuk Mempercepatkan Gulung dan Angkut Tikar Selepas Aktiviti	1. Hjh. Ramlah A Rahaman 2. Saripah Ibrahim 3. Kamarul Jamaludin	Kolej Meranti, Bahagian HEP & Alumni	Gangsa (Innovation)
150	Treatment to Improve Dimensional Stability of Cotton Knitted Fabric	1. Eryna binti Nasir 2. Prof. Madya Dr. Wan Yunus Wan Ahmad 3. Dr. Mohd Rozi Ahmad 4. Muhammad Ismail Abd Kadir 5. Najua binti Tulos 6. Atiyyah binti Haji Musa 7. Prof. Madya Salmiah Mohd Nor 8. Siti Hana Nasir 9. Norhaslinda Abdol Raub	Fakulti Sains Gunaan	Gangsa (Innovation)
153	Taxi-For Normal and Disabled	1. Norliana Mohd Abbas 2. Rohana Sham 3. Nadia Mohd Mustafah 4. Nik Rozlin Nik Masdek	FKJM, FPP, Perubatan	Gangsa (Innovation)
164	Diary Management System-A Prototype	1. Naffisah Mohd Hassan 2. Melissa Shahrom 3. Nor Shima Humaidi 4. Norol Hamiza Zamzuri 5. Hazniriah Mohd Hazizli 6. Mohd Khalid Mohd Abas	Fakulti Pengurusan & Teknologi Pejabat	Gangsa (Innovation)
166	Virtual Tour: Kuala Tahan to Kuala Keniam Route, Taman Negara	1. Rochin Demong 2. Melissa Shahrom 3. Lailatul Faizah Abu Hassan 4. Rahayu Hasanordin 5. Abdul Latif bin Abdul Rahman 6. Masrur Mohd Khir	Fakulti Pengurusan & Teknologi Pejabat	Gangsa (Innovation)
167	The Operational Feasibility Study of Online Smart Examination Scheduling System Development	1. Anisah Alwi 2. Rochin Demong 3. Lailatul Faizah Abu Hassan	Fakulti Pengurusan & Teknologi Pejabat	Gangsa (Innovation)
168	U-Absence Tracking (U-Abs)	1. Lailatul Faizah Abu Hassan 2. Anisah Alwi 3. Nor Irvoni Mohd Ishar 4. Mohd Khalid Mohd Abas	Fakulti Pengurusan & Teknologi Pejabat	Gangsa (Innovation)

183	RE: The Malaysian Ginseng	1. Prof. Madya Dr. Nor Hadiani Ismail 2. Che Puteh Osman 3. Prof. Madya Dr. Rohaya Ahmad 4. Faridahanim Mohd Jaafar	Fakulti Sains Gunaan	Gangsa (Innovation)
195	Kek Lapis Tepung Biskut	1. Azlan bin Haji Supardi 2. Mohd Shazali bin Md Shariff 3. Irwan Affendi bin Abdul Razak 4. Mohd Khairul Nizam bin Jusoh 5. Zarina binti Mohd Yunos	Fakulti Pengurusan Hotel & Pelancongan	Gangsa (Innovation)
209	Increase Web Presence Via Keywords Use	1. Rozianawaty Osman 2. Nor Adora Endut 3. Mohd Sufian Yusof	Fakulti Teknologi Maklumat & Sains Kuantitatif	Gangsa (Innovation)
219	Surface Whiskerization Treatment Process for the Enhancement of Carbon Fiber Composite Flexural Strength	1. Christina Vargis 2. Nor Roslina Rosli 3. Dr. Suraya Abdul Rashid 4. Prof. Madya Dr. Robiah Yunus	Fakulti Kejuruteraan Kimia / UPM	Gangsa (Innovation)
226	Organisational Integrity Measurement Systems (OIMS)	1. Prof. Madya Dr. Mohd Ismail Ramli 2. Prof. Madya Dr. Roziah Mohd Janor 3. Mohd Jamil bin Mat Isa 4. Azhari Abdul Aziz	InED, HEA, FSSR, UiTM Terengganu	Gangsa (Innovation)
237	Muslim Made Product Portal	1. Siti Arpah Ahmad 2. Rozita Yunos 3. Raihana Md Saidi 4. Rosanota Adnan	Fakulti Teknologi Maklumat & Sains Kuantitatif	Gangsa (Innovation)
250	e-Registry Management System (Sistem Pengurusan e-Registri)	1. Zulkefli Mohd Yusop 2. Prof. Madya Dr. Adnan Jamaludin 3. Ahmed Noor Kader Mustajir Md Eusoff 4. Faizal Haini Fadzil 5. Muhammad Asyraf Wahi Anuar 6. Nuha Che Rahmat	Fakulti Pengurusan Maklumat	Gangsa (Innovation)
264	Laman Web E-Mentor	1. Ahmad Zam Hariro Samsudin 2. Ahmad Nazri Mansor	Fakulti Pengurusan Maklumat	Gangsa (Innovation)

		<ol style="list-style-type: none"> 3. Noryana Ahmad Khusaini 4. AP-Azli b Bunawan 5. Azman Mat Isa 6. Azmi Abd Rahman 7. Abdul Rahman Ahmad 8. Zulkefli Mohd Yusop 9. Mohd Nazir Ahmad 10. Ahmad Soufiean Othman 11. Mustaffa Hj Darimi 12. Ismie Roha Mohamed Jais 		
272	An Effective Real Time Schedule Detection	<ol style="list-style-type: none"> 1. Robi'atun Adayiah Awang 2. Fadhilah Hj. Mohd Azmir 3. Ahmad Asari Sulaiman 4. Noor Hasimah Baba 5. Zuhani Ismail Khan 6. Mohamad Huzaimy Jusoh 	Fakulti Kejuruteraan Elektrik , PSMB	Gangsa (Innovation)
290	Construct Validity Calculator	<ol style="list-style-type: none"> 1. Hisham bin Md Basir 2. Sulaiman Mahzan 3. Nur Huda Jaafar 4. Rashidah Mokhtar 5. Noraisyah Abdl Aziz 	Fakulti Teknologi Maklumat & Sains Kuantitatif, UiTM Johor	Gangsa (Innovation)
316	Seni Visual Multimedia Garisan	<ol style="list-style-type: none"> 1. Rozimah Bt Bidin 	Fakulti Seni Lukis & Seni Reka, UiTM Perak	Gangsa (Innovation)
321	Sistem Tadahan Hujan Menggunakan Bentuk Estetik (Arca Awam)	<ol style="list-style-type: none"> 1. Zainon bin Abdullah 	Fakulti Seni Lukis & Seni Reka, UiTM Perak	Gangsa (Innovation)
323	X-LOCK II	<ol style="list-style-type: none"> 1. Norhayati binti Umar 2. Sabariah Mohd Apandi 3. Doris George 4. Milla-Armila Binti Asli 5. Ambiya Bin Sedik 6. Jarah bin Marjah 7. Kamijo Hassan Tani 8. Moahmad Ismail Noden 9. Sanah Achis 	Bahagian Pentadbiran, UiTM Sarawak	Gangsa (Innovation)
333	Smart-Dryer	<ol style="list-style-type: none"> 1. Ho Boon Heong 2. Mohd Redza bin Sazali 3. Mohd Danial bin Rozali 4. Ezzah Suraya binti Sarudin 5. Dona Stanley 6. Siti Nor Hidayah binti Saadon 	Fakulti Sains Gunaan, UiTM Sarawak	Gangsa (Innovation)
338	Q-DEAN: Quickview Double-entry Equation Accounting Note	<ol style="list-style-type: none"> 1. Susana Narawi 2. Siti Sarah Adam Wan 3. Azura Ahmad 	UiTM Sarawak	Gangsa (Innovation)

339	Development of Coagulant from Wheat Germ for Treatment of Coolant Wastewater	1. Juferi Idris 2. Miradatul Najwa binti Muhd Rodhi 3. Prof. Dr. Ku Halim Ku Hamid 4. Mohibah Musa	Fakulti Kejuruteraan Kimia, UiTM Sarawak	Gangsa (Innovation)
349	Fun with Mathematics Game	1. Maznah Banu bt Mohamed Habiboo Raman 2. Siti Aishah bt Abd Jamil 3. Mohd Riezza b Ibrahim 4. Ahmad Fuad b Marzuki	UiTM Negeri Sembilan	Gangsa (Innovation)
361	An Experimental Research on Medium: The use of Banana Sap as an Alternative Medium for Artworks	1. Hisanmmudin b Ahmad 2. Prof. Madya Mohamad Khalil Imran	Fakulti Seni Lukis & Seni Reka, UiTM Melaka	Gangsa (Innovation)
368	Early Warning Protocol in Landslide Risk Monitoring System	1. Mohd Fairuz Bachok 2. Prof. Dr. Roslan Zainal Abidin 3. Khairi Khalid 4. Mohd Razmi Zainudin	Fakulti Kejuruteraan Awam, UiTM Pahang	Gangsa (Innovation)
370	Sistem Pemantauan Syarahan/Lecture Monitoring System (LMS)	1. Mohd Idzwan Bin Mohd Salleh 2. Mohamad Rahimi Bin Mohamad Rosman 3. Prof. Madya Dr. Jusoh Bin Yacob	UiTM Kelantan	Gangsa (Innovation)
382	Alat Pengesanan Kebocoran serta Analisa Pembaziran Penggunaan Air	1. Kahirul Fauzi bin Karim 2. Noor Iswadi bin Ismail 3. Mohd Rozalee Abu Hassan 4. Prof. Madya Dr. Abdul Halim Zulkifli	Fakulti Kejuruteraan Mekanikal, UiTM Pulau Pinang	Gangsa (Innovation)
384	An Intelligent Shape Classification System for Aggregate using Artificial Neural Network	1. Mohamad Faizal Abd Rahman 2. Saiful Zaimy Yahaya 3. Rozan Boudville 4. Siti Noraini Sulaiman	Fakulti Kejuruteraan Elektrik, UiTM Pulau Pinang	Gangsa (Innovation)
387	Aplikasi Weblog: Satu Inovasi untuk Pembelajaran Matematik Perniagaan	1. Ch'ng Pei Eng 2. Ch'ng Pei Cheng 3. Mohd Haris Ridzuan Ooi bin Abdullah 4. Cheng Siak Peng	UiTM Pulau Pinang	Gangsa (Innovation)
389	The Arithmetic Enhancer	1. Dr. Teoh Sian Hoon 2. Dr. Kor Liew Kee	UiTM Pulau Pinang / UiTM	Gangsa

			Kedah	(Innovation)
405	Sistem Pengurusan Maklumat Unit Pengurusan Kualiti (eUPK)	1. Hasiah Mohamed @ Omar 2. Norlina Mohd Sabri 3. Nik Masyahariani Nik Daud 4. Nazatul Azleen Zainal Abidin	Fakulti Teknologi Maklumat & Sains Kuantitatif, UiTM Terengganu	Gangsa (Innovation)
406	Learning Tajweed Courseware for Primary School Students (TajweedFUN)	1. Hasiah Mohamed @ Omar 2. Nik Masyahariani Nik Daud 3. Wan Anuar Wan Mamat 4. Che Mohd Nur Muntasir Che Mohd Norodi	Fakulti Teknologi Maklumat & Sains Kuantitatif, UiTM Terengganu	Gangsa (Innovation)

Pingat Gangsa (Design) : Staf

No Booth	Tajuk Penyelidikan	Nama Penyelidik	Fakulti / Cawangan	Pingat
170	Portabelle	1. Judith Gisip 2. Sulaili bt Mohamad 3. Shahril Anuar Bahari	Fakulti Sains Gunaan	Gangsa (Design)
243	Produk Kontemporari Produk dari Sekam Padi	1. Syafinaz Mohd Anuar 2. Raja Norazila bt Raja Mohd Yusof 3. Azhar b A Aziz 4. Muhammad Faiz b Iskandah	Fakulti Seni Lukis & Seni Reka	Gangsa (Design)
360	An Exploration Study of Weaving Technique in Jewellery Making	1. Rozita bt Shamsudin	Fakulti Seni Lukis & Seni Reka, UiTM Kelantan	Gangsa (Design)