



KEMENTERIAN PENGAJIAN TINGGI  
JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI

**POLITEKNIK**  
MALAYSIA  
SULTAN HAJI AHMAD SHAH



# InnoPLEN

innovation product launching and entrepreneurship



## E-PROCEEDING

Synergizing creativity and innovation for a sustainable future

# INNOPLEN

# 2023

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# **INNOPLN**

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**2023**

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Semambu

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<sup>3</sup>Tengku Nur Dania binti Tengku Azman, <sup>4</sup>Nur Amierah Amalin binti Nor Sham,  
<sup>5</sup>Piriyatharshini A/P Krishnamorthy  
327-329
- Produk Inovasi Three-R Bag***  
Zuraini binti Abdul Hadi<sup>1</sup>, Nurul Izwaniintan Soffea binti Rizwan<sup>2</sup>, Umi Marsitah binti Zulkilee<sup>3</sup>, Umi Maisarah binti Azuan<sup>4</sup>  
330-334
- Prototaip Sistem Maklumat Pendaftaran Kamsis (HoRIS): Integrasi Sistem i-Kamsis***  
Salawati binti Saleh<sup>1</sup>, Nur Izzati Syafiqah binti Daud<sup>2</sup>, Farhanah binti Sarizan<sup>3</sup>, Fatin Nur Aliza binti Mohd Salleh<sup>4</sup>  
335-339
- Pengangkat Bateri Kenderaan Hybrid Jenis Toyota Prius***  
Mohd Asmedi Bin Yaacob<sup>1</sup>, Azlan Shah Bin Katiman<sup>2</sup>, Dr. Khalis Bin Suhaimi<sup>3</sup>  
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**Dokumentasi Digital Warisan Diraja Kelantan Di Muzium Diraja @ Istana Batu Melalui Kursus Lukisan Terukur**

Noor Azidah Binti Abdullah<sup>1</sup>, Muhammad Alif Ridzuan Bin Haron<sup>2</sup>, Muhammad Zamri Bin Mohamad Nizam<sup>3</sup>, Tengku Nurain Binti Tengku Mohamad Ibrahim<sup>4</sup> & Nur Fitri Ayuni Binti Azman<sup>5</sup>

**340-347**

***Perbandingan di Antara Waktu Solat Menggunakan Titik Waktu Solat Negeri Pahang dan Koordinat Cerapan GNSS***

Gs. Sr Asrul Bin Zakaria<sup>1</sup>, Nur Syauqina binti Harun<sup>2</sup>, Nur Ika Shazlina Fitri binti Osman<sup>3</sup>, Nur Syafiqah binti Sahrum<sup>4</sup>

**348-360**

***Student Affairs Apps***

Nurulain Binti Ahmad<sup>1</sup>, Nurul Farhana Binti Mokhtar<sup>2</sup>, Anuar Bin Ralib<sup>3</sup>

**361-364**

***PieStep GenCity***

Earl Carlos Felix<sup>1</sup>

**365-369**

***Face Recognition and Mood Detection (FRAMoD)***

Dhaviinash A/L Saravanan<sup>1</sup>, Puvinesh Sharwen A/L Sudir<sup>2</sup>, Sharan Kumar A/L Segar<sup>3</sup>, Asnidatul Adilah Binti Ismail<sup>4</sup>

**370-371**

***The Effect of Entrepreneurship Management System (eMS) On Incubator Management Among Entrepreneurship Student in Polytechnic Muadzam Shah***

Saiful Bakhtiar bin Masduki<sup>1</sup>, Mohd Emran Bin Mat Hassan<sup>2</sup>, Hamlizatul Amrah binti Mohamad<sup>3</sup>

**372-375**

***Pembangunan Aplikasi Permainan Carbon Fighter: Inovasi Pengajaran Jejak Karbon Untuk Kanak-Kanak Prasekolah***

Noraine Binti Salleh Hudin<sup>1</sup>, Norlaile Binti Salleh Hudin<sup>2</sup>, Suzita Binti Ramli<sup>3</sup>, Nurul Bahiyah Binti Abd Wahid<sup>4</sup>, Puteriku Syazleen Ilyana Binti Jaafar<sup>5</sup>

**376-380**

***Automatic Solar Powered Flood Warning System***

Muhammad Fikri Aiman Bin Esa<sup>1</sup>, Mohd Zeid Bin Abu Bakar Yeo Li Zhen<sup>2</sup>, Mohd Farhan 'Uzair Bin Paisan<sup>3</sup>

**381-384**

***Conventional Fire Alarm Control System (CFAS): A Technical and Vocational Education and Training (TVET) Training Kit for Electrical Engineering Department (JKE) Students***

Ts.Kalaivani A/P Ramachandran<sup>1</sup>, Mohd Safari Bin Jaafar<sup>2</sup>, Suhardi Bin Che Ahmad<sup>3</sup>

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***One Stop Centre @ KKTi (OSC@KKTi)***

Nani Idayu binti Shamsudin<sup>1</sup>, Muhammad Hatta bin Ibrahim<sup>2</sup>, Nurul Aqmar binti Hassan<sup>3</sup>  
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***DIY 3 Point Lighting***

Jamunarani Muthusamy<sup>1</sup>, Rashidah Abu<sup>2</sup>, Saraswathy Dhanalingam<sup>3</sup>  
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***Golden Snack Bar***

Nur Akmar Binti Abdul Rashid<sup>1</sup>, Shabriyah Binti Sehat<sup>2</sup>, Sri Rahayu Binti Rahamad<sup>3</sup>  
**401-403**

***IoT Application Kit***

Ruhaida Binti Nural Anuar<sup>1</sup>, Azhar Bin Ramli<sup>2</sup>, Laila Rosemaizura Binti Yaakop<sup>3</sup>,  
Azhani Binti Hashim<sup>4</sup>, Saiful Adli Bin Yusoff<sup>5</sup>  
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***Kit KNX***

Norkarlina binti Khairul Ariffin<sup>1</sup>, Ts Karminah binti Abdul Kadir<sup>2</sup>, Shaifulrizan bin Shariff<sup>3</sup>  
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***CELIK FIQH: DIDIK HIBUR PENDIDIKAN ISLAM KE ARAH PELAKSANAAN PEMBELAJARAN  
BERPUSATKAN MURID***

Nurul Syafiqah Binti Omar, Siti Umairah Binti Ajiyan, Nur Syazwani Binti Fauzi, Wan Nur  
Ain Azman, Arifin Bin Mamat  
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***“Smart PolyLab” Dalam Pengurusan Rekod Penggunaan Makmal CAD3, Jabatan  
Kejuruteraan Awam, POLISAS***

Muhammad Firdaus Bin Che Amat<sup>1</sup> & Sharifah Izyani Binti Syed Yusoff<sup>2</sup>  
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***NodeMCU Starter Learning Kit sebagai Alat Bantu Mengajar***

Ahmad Farid Bin Mohamad<sup>1</sup>, Nuur Maisya Binti Mazni<sup>2</sup>, Kafiza Binti Ahmad  
Kamaruzzaman<sup>3</sup>  
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***Java Quantum Quest***

Amir Asyraf Bin Zainal Abidin<sup>1</sup>, Adam Haikal Bin Ahmad Feysall<sup>2</sup>, Muhammad Irsyad Ilham  
Bin Shaiful Baharin<sup>3</sup>, Azura Binti Ahmad<sup>4</sup>  
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***InNiVi Paver Block***

Adilen @ Lucia bt. Suil<sup>1</sup>, Muhammad Rafiuddin b. Mohd Shahrin<sup>2</sup>,  
Farah Nur Najiha bt. Ibrahim<sup>3</sup>, Wan Nor Syafiqah bt. Wan Hasmah<sup>4</sup>  
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***Wheel Smart Ladder***

Nornasriq Bin Mohamad Nor<sup>1</sup>, Idham Shahime Bin Mohd Ali<sup>2</sup>, Shahrul Eizham Bin Shaikh Abdullah<sup>3</sup>, Norika binti Karim<sup>4</sup>, Affendi bin Deris<sup>5</sup>.

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Nor Hazlin Md Gharip<sup>1</sup> & Muhammad Khusairi Mohd Kasim<sup>2</sup>

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***A-SMART BIOMETRIC EXAMINATION ATTENDANCE (A-SMART BEA)***

Nurul Ihsaniah Omar<sup>1</sup> Foo Hua Jian<sup>2</sup> Nur Rushdina Binti Azhar<sup>3</sup> Muhammad Amirul Bin Shalehudin<sup>4</sup>

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Azman Bin Mat Hussin<sup>1</sup>, Ahmad Fakhrul Zaman Bin Mohd Ariffin<sup>2</sup>, King Diaw A/L Eh Sut<sup>3</sup>,

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***Smart Welding Simulation Jig***

Abdul Hadi bin Abdullah<sup>1</sup> & Mohd Faizal bin Che Hassan<sup>2</sup>

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Nor Asmadi Bin Asri<sup>1</sup>, Sharifah Izyani Binti Syed Yusoff<sup>2</sup>

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Suhaimi bin Abdullah @ Abd Rahman<sup>1</sup>, Mohd Dasri bin Che Mok @ Adnan<sup>2</sup>, Wan Mohd Badril Amin bin Wan Said<sup>3</sup>

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***Sistem eExcellence***

Masfizaizan Binti Manaf<sup>1</sup>, Roswady Bin Abdul Wahab<sup>2</sup>, Nasharudin Bin Zainal Abidin<sup>3</sup>, Mohd Azizee Bin Sukor<sup>4</sup>, Che Faridah Binti Che Mohamad<sup>5</sup>

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Noor Azizah Binti Mat Isa<sup>1</sup>, Ruhaida Binti Nural Anuar<sup>2</sup>, Laila Rosemaizura Binti Yaakop<sup>3</sup>, Nur Akhyar Bin Nordin<sup>4</sup>, Muhammad Danish Aisy Bin Noor Izwan<sup>5</sup>

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