

	A	B	C	D	E	G	I	J
	NO.	Inventor (Full Name)	Institution / Agency / School	Product Category	Invention (Please ensure title of invention filled in correctly)	Research Field	BOOTH NO	Medal
1								
2	1	Dr. Ismayadi Ismail	Universiti Putra Malaysia	Category A: Fundamental Research	Innovations in Electromagnetic Defense: Unveiling Advanced Microwave Absorption Technologies	Frontier, Defence Technology and Defence Infrastructure	A01DT	GOLD
3	2	Siti Zulaikha Binti Ngah Demon	Universiti Pertahanan Nasional Malaysia	Category A: Fundamental Research	STABLE AND VERSATILE POLYMER THIN FILM COATING AS FIRST LINE OF DEFENCE AGAINST LASER	National Security	A01NS	GOLD
4	3	Noor Aisyah binti Ahmad Shah	Universiti Pertahanan Nasional Malaysia	Category A: Fundamental Research	FUNCTIONALIZED CELLULOSE AS ANTIMICROBIAL MATERIALS	Medical and Healthcare	A01MH	SILVER
5	4	Adenen Shuhada binti Abdul Aziz	UPNM	Category A: Fundamental Research	Risk Factor Identification in Helicopter Ditching on Water	Frontier, Defence Technology and Defence Infrastructure	A02DT	GOLD
6	5	Mohd Rizal Bin Mohd Isa	FSTP, UPNM	Category A: Fundamental Research	A Novel Network Optimization Framework Based on Software-Defined Networking (SDN) and Deep Learning (DL) Approach	Industrial Revolution 4.0/Cyber Security/Data Analytic/Artificial Intelligent	A01IR	GOLD

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7	6	Ruzanna Mat Jusoh	UPNM	Category A: Fundamental Research	Enhancing Congestion Management: A Topology-Based Approach to Strategic Traffic Sensor Placement.	Science, Technology, Engineering and Mathematics Education (STEM)	A02ST	GOLD
8	7	Ahmad Shafiq bin Abdul Rahman	Universiti Pertahanan Nasional Malaysia	Category A: Fundamental Research	Assessing Energy and CO2 Emissions Efficiency in ASEAN Countries using A Modified Two-Stage Network Russell with Undesirable Output Model	Climate Change, Environment and Sustainability	A02CC	GOLD
9	8	Siti Nooraya Binti Mohd Tawil	Universiti Pertahanan Nasional Malaysia	Category A: Fundamental Research	Co-Sputtered Al/n-ZnO-based DMS/p-Si Heterojunction Diode and Its Characterization	Science, Technology, Engineering and Mathematics Education (STEM)	A03ST	GOLD
10	9	Nik Noorul Shakira Mohamed Shakrin	UPNM	Category A: Fundamental Research	Knowledge, Attitude, and Practices (KAP) of Universiti Pertahanan Nasional Malaysia (UPNM) Staff Regarding The Use of a Face Mask During The Coronavirus Disease 2019 (COVID-19) Pandemic	Medical and Healthcare	A02MH	SILVER
11	10	Alinda binti Samsuri	Pusat Pentropikalan, Universiti Pertahanan Nasional Malaysia	Category A: Fundamental Research	Crafting Performance: Innovating Nitrocellulose Propellants from OPMF with Precision Nitrogen Control for Enhanced Muzzle Velocity	Frontier, Defence Technology and Defence Infrastructure	A03DT	GOLD

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12	11	Siti Hasnawati Jamal	Universiti Pertahanan Nasional Malaysia	Category A: Fundamental Research	The Enhancement Stability of Oil Palm Mesocarp Fiber (OPMF) Nitrocellulose	Frontier, Defence Technology and Defence Infrastructure	A04DT	SILVER
13	12	Mohd Fazli Bin Mohd Yusoff	Universiti Pertahanan Nasional Malaysia	Category A: Fundamental Research	Vibration test rig for elctromagnetic damper	Science, Technology, Engineering and Mathematics Education (STEM)	A04ST	BRONZE
14	13	Marami binti Mustapa	UPNM	Category A: Fundamental Research	Unveiling the Chemopreventive Potential of Shogaols on Cervical Cancer Cell Lines	Medical and Healthcare	A03MH	SILVER
15	14	NUR AISHAH BINTI CHE ROOS	UNIVERSITI PERTAHANAN NASIONAL MALAYSIA	Category A: Fundamental Research	6-Gingerol and 6-Shogaol as Promising Chemopreventive Agents in Cervical Cancer: A Systematic Review	Medical and Healthcare	A04MH	BRONZE
16	15	Maria binti Abu Bakar	Universiti Kebangsaan Malaysia	Category A: Fundamental Research	Enhancing Ductility of Sn-0.7Cu Lead-Free Solder Joints for High-Reliability Interconnections in Electronic Military Devices	Frontier, Defence Technology and Defence Infrastructure	A05DT	GOLD

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17	16	Nor Laili-Azua Jamari	Universiti Pertahanan Nasional Malaysia	Category A: Fundamental Research	Removal of FTO: Adsorption Mechanism from Aqueous Environment	Energy and Water Security	A01EW	GOLD
18	17	Nor Azlian Binti Abdul Manaf	Universiti Pertahanan Nasional Malaysia	Category A: Fundamental Research	Graded Bandgap Device Architecture To Enhance Efficiency Of Solar Cells	Energy and Water Security	A02EW	GOLD
19	18	Mazlinda Binti Ibrahim	UPNM	Category A: Fundamental Research	Algorithm for Joint Image Segmentation and Registration using Generalized Mean and Normalized Gradient Field for 2D Multi-modal Images	Medical and Healthcare	A05MH	GOLD
20	19	INTAN JULIANA BINTI SHAMSUDIN	UPNM	Category A: Fundamental Research	Newly Synthesized Glycolic Anhydride Kappa-carrageenan as Gel Polymer Electrolyte	Energy and Water Security	A03EW	SILVER
21	20	Dr. Nurul Hazwani binti Aminuddin Rosli	Universiti Pertahanan Nasional Malaysia	Category A: Fundamental Research	Synergistic effect of sulfur-doped reduced graphene oxide created via microwave-assisted synthesis for supercapacitor applications	Energy and Water Security	A04EW	GOLD
22	21	Prof Madya Ummul Fahri binti Abdul Rauf	Universiti Pertahanan Nasional Malaysia	Category A: Fundamental Research	Evaluation of Extreme Rainfall Occurrences Using Standard Precipitation Index (SPI)	Climate Change, Environment and Sustainability	A03CC	SILVER

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23	22	Norli Abdullah	Universiti Pertahanan Nasional Malaysia	Category A: Fundamental Research	SUSTAINABLE NANOFLUIDS: rGO in WASTE COOKING OIL-BASED	Climate Change, Environment and Sustainability	A04CC	GOLD
24	23	Asniah binti Alias	UPNM	Category A: Fundamental Research	MODEL OF FACE MANAGEMENT STRATEGIES FOR HANDING PRESS CONFERENCE DURING EMERGENCY, CRISIS AND DISASTER	National Security	A02NS	GOLD
25	24	Mohd Nurazzi bin Norizan	Universiti Sains Malaysia	Category A: Fundamental Research	Synergistic Advancements in Nanofluid Technology: Exploring the Integration of Metal Oxide Nanoparticles-Enhanced Performance in Anionic Nanocellulose	Climate Change, Environment and Sustainability	A05CC	GOLD
26	25	Yuhanim Hani binti Yahaya	Universiti Pertahanan Nasional Malaysia	Category A: Fundamental Research	Migraine Diagnosis System Using Fuzzy Logic Algorithm	Medical and Healthcare	A06MH	SILVER
27	26	Khairul Anwar bin Zarkasi	UPNM	Category A: Fundamental Research	Prevalence and Correlated Factors of Noise-induced Hearing Loss among Marine Technicians of the Royal Malaysian Navy at Lumut Naval Base, Perak	Medical and Healthcare	A07MH	SILVER

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28	27	SYARIFAH QISTINA HUDA BINTI SYED AHYATTUDIN	SMART College	Category A: Fundamental Research	Cyber Security Awareness in Malaysia: A Case Study	Industrial Revolution 4.0/Cyber Security/Data Analytic/Artificial Intelligent	A02IR	BRONZE
29	28	Nordila Ahmad	UPNM	Category A: Fundamental Research	Effect of scour and seismicity on the bridge's response	Science, Technology, Engineering and Mathematics Education (STEM)	A01ST	GOLD
30	29	Muhamad Azani Yahya	Universiti Pertahanan Nasional Malaysia	Category A: Fundamental Research	Bendable Concrete Using Optical Fiber	Frontier, Defence Technology and Defence Infrastructure	A07DT	GOLD
31	30	Muhamad Faiz Md Din	UPNM	Category A: Fundamental Research	Performance Nano fluid of palm oil (PO) under magnetic field applied and different concentration (graphene) in transformer application.	Climate Change, Environment and Sustainability	A06CC	GOLD

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32	31	NORHERDAWATI KASIM	UPNM	Category A: Fundamental Research	ClearSip – Drinking Water Purity with CSNF Water Filtration System	Climate Change, Environment and Sustainability	A01CC	GOLD
33	32	Dr Redwan bin Yasin	Universiti Pertahanan Nasional Malaysia	Category A: Fundamental Research	Model Bimbingan Transformasi Muallaf kepada Mukalaf	Education, Community Development and Social Science	A08SS	GOLD
34	33	Siti Hajar binti Adam	Universiti Pertahanan Nasional Malaysia	Category A: Fundamental Research	KacipNano: Utilizing Kacip Fatimah Extract for Eco- Friendly Synthesis of Selenium Nanoparticles	Medical and Healthcare	A08MH	SILVER
35	34	Ts. Izati Nabila binti Marzuki	Universiti Malaysia Kelantan	Category A: Fundamental Research	Learning Based Activity of Surah Lukman Curriculum Using Augmented Reality Technology in Delivering Da'wah	Education, Community Development and Social Science	A09SS	GOLD

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36	35	Hani Kalsom binti Hashim TLDM		Category A: Fundamental Research	Sustainability of Food Supply Framework for Malaysian Armed Forces	Food Safety and Security	A02FS	GOLD
37	36	Masdini Harina Ab Manan	Universiti Pertahanan Nasional Malaysia	Category A: Fundamental Research	The Leadership Survival Toolkit for Women: Gender Equality and Inclusivity in Defense and Security	Education, Community Development and Social Science	A01SS	GOLD
38	37	Siti Maisarah Binti Amdan	Universiti Pertahanan Nasional Malaysia	Category A: Fundamental Research	DEVELOPMENT OF ERGONOMIC DATA SHEETS (EDS) ON THE APPROACH OF PARTICIPATORY ERGONOMIC INTERVENTION PROGRAM FOR	Education, Community Development and Social Science	A02SS	SILVER
39	38	Sir Nurhafizah Saleeza binti Ramlee	UPNM	Category A: Fundamental Research	Ergonomics Risk Assessment and Prevalence of Work-Related Musculoskeletal Disorder (WMSD) among Military Aircraft Maintenance Personnel	Education, Community Development and Social Science	A03SS	GOLD
40	39	Wan Norhasniah binti Wan Husin	Universiti Pertahanan Nasional Malaysia	Category A: Fundamental Research	Assessing Peers As A Predictor on Youth Political Behaviour in Enhancing Malaysian Political Stability	Education, Community Development and Social Science	A04SS	GOLD
41	40	Afifah Quraishah Abdul Nasir	Universiti Pertahanan Nasional Malaysia	Category A: Fundamental Research	ELA: LEARNING ENGLISH AND BEYOND	Education, Community Development and Social Science	A05SS	SILVER

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42	41	MOHAMAD ARSAD BIN NAZAL	Security Plus Academy	Category A: Fundamental Research	The Overview of The Requirement for Defence Technology Advancement of a Country	Frontier, Defence Technology and Defence Infrastructure	A06DT	BRONZE
43	42	Mazlan bin Abdullah	Security Plus Academy (SPA)	Category A: Fundamental Research	Enhancing National Security through the Use of Artificial Intelligence Solutions in Threat Detection and Mitigation	National Security	A03NS	BRONZE
44	43	Nadirul Hasraf Mat Nayan	Universiti Tun Hussein Onn Malaysia	Category A: Fundamental Research	FRAMEWORK FOR SUSTAINABLE COMMUNITY CHICKEN FARMING BY RURAL COMMUNITY @ PT SULONG : SECURING LOCALITY FOOD SOVEREIGNTY	Food Safety and Security	A01FS	GOLD
45	44	Redwan bin Yasin	Universiti Pertahanan Nasional Malaysia	Category A: Fundamental Research	MALIK: A New Module on Islamic Faith Education for Children of Muslim Converts in Malaysia	Education, Community Development and Social Science	A06SS	GOLD
46	45	Wan Farizatul Shima Binti Wan Ahmad Fakuradzi	Universiti Pertahanan Nasional Malaysia	Category A: Fundamental Research	Enhancing Flood Preparedness in Malaysian Communities Through Innovative E-book Training Programs	Education, Community Development and Social Science	A07SS	GOLD