

NO.	Inventor (Full Name)	Institution / Agency / School	Product Category	Invention (Please ensure title of invention filled in correctly)	Research Field	BOOTH NO	MEDAL
1	Nor Azliana Akmal binti Jamaludin	UPNM	Category B: Applied Research	VALUE CREATION APPLICATION IN BIG DATA OF OIL AND GAS UPSTREAM PROJECT PLANNING DECISION MAKING	Industrial Revolution 4.0/Cyber Security/Data Analytic/Artificial Intelligent	B01IR	BRONZE
2	Fatima Yusran	UPNM	Category B: Applied Research	Micro-bending Assessment using POF for Pressure Sensing for Industrial and Infrastructure Safety Enhancement.	Climate Change, Environment and Sustainability	B01CC	BRONZE
3	Nur Masyitah Muhmin	UPNM	Category B: Applied Research	Soil Displacement Initial Investigation using POF-based Sensor for Geotechnical Monitoring	Climate Change, Environment and Sustainability	B02CC	BRONZE
4	Nanthini Sridewi A/P Appan	Universiti Pertahanan Nasional Malaysia	Category B: Applied Research	PPG Surface-Modified 2-D Ti3C2 MXene based Photothermal Cancer Therapy	Medical and Healthcare	B01MH	SILVER

5	Nanthini Sridewi A/P Appan	UPNM	Category B: Applied Research	XT-ULTRA NANO ENGINE OIL (MoS ₂ -Hbn based nanolubricant for diesel- based engines)	Frontier, Defence Technology and Defence Infrastructure	B01DT	GOLD
6	shazreen shaharuddin	universiti Pertahanan Nasional Malaysia	Category B: Applied Research	ASCERTAINING THE IMPORTANCE OF RAPID, COLORIMETRIC SENSORS IN DETECTION OF HYPOXIA TOLERANCE AT HIGH ALTITUDE	Medical and Healthcare	B02MH	GOLD
7	NOOR AZILAH MOHD KASIM	UNIVERSITI PERTAHANAN NASIONAL MALAYSIA	Category B: Applied Research	ECOSORB: MALATHION ABSORPTION MATERIAL	Climate Change, Environment and Sustainability	B03CC	GOLD
8	Noor Fadzilah binti Mohamed Sharif	Universiti Pertahanan Nasional Malaysia	Category B: Applied Research	Charge transport and electron recombination suppression in dye- sensitized solar cells using graphene quantum dots (GQDs).	Energy and Water Security	B01EW	GOLD
9	MAIZATULLIFAH MISKAN	UNIVERSITI PERTAHANAN NASIONAL MALAYSIA	Category B: Applied Research	ASTHMA INFORMATION, ASSESSMENT FOR WELL- BEING AND SYMPTOMATOLOGY (AIRWAYS)	Science, Technology, Engineering and Mathematics Education (STEM)	B01ST	GOLD

10	Fazilatulaili Ali	UPNM	Category B: Applied Research	Multivariate Probit Model: Bayesian Inference Approach for Categorical Data	Climate Change, Environment and Sustainability	B04CC	SILVER
11	Norshahriah Abdul Wahab	UPNM	Category B: Applied Research	LEARNING PATHOLOGY THROUGH HANDS ON LAB EXPERIENCE USING AUGMENTED REALITY (AR)	Education, Community Development and Social Science	B01SS	SILVER
12	Associate Professor Ts Dr. Noor Afiza Mat Razali	FSTP UPM	Category B: Applied Research	Smart Farming Solutions for Sustainable Food Security	Food Safety and Security	B01FS	GOLD
13	Sharifah Aishah binti Syed Ali	Universiti Pertahanan Nasional Malaysia	Category B: Applied Research	Nurse Rostering Problems: A Case Study at Hospital Angkatan Tentera Lumut	Medical and Healthcare	B03MH	SILVER
14	Siti Aminah Mohd Noor	Universiti Pertahanan Nasional Malaysia	Category B: Applied Research	DEVELOPMENT OF SODIUM-ION BATTERIES FROM NVP CATHODE AND BIOMASS-DERIVED HARD CARBON ANODE	Energy and Water Security	B02EW	GOLD

15	DATIN DR HASLIZA BINTI ABU HASSAN	FAKULTI PERUBATAN DAN KESIHATAN PERTAHANAN, UNIVERSITI PERTAHANAN NASIONAL MALAYSIA	Category B: Applied Research	Study Protocol on Primary Health Care Physician Preparedness On Disaster Management: A Malaysian Perspective	Medical and Healthcare	B04MH	SILVER
16	AHMAD LOQMAN BIN AHMAD MAZUKI	UPNM	Category B: Applied Research	LOW POWER ENERGY HARVESTING FOR LOW POWER DEVICES	Energy and Water Security	B03EW	BRONZE
17	Asma Assa'edah binti Mahmud	Universiti Pertahanan Nasional Malaysia	Category B: Applied Research	Illuminating the Forgotten Faces: Unmet Healthcare and Psychological Needs in a Concrete Jungle	Medical and Healthcare	B05MH	SILVER

18	Rosnadia binti Suain Bon	FPKP, UPNM	Category B: Applied Research	YOUTH EMPOWERMENT: A SELF-HELP MODULE FOR PSYCHOLOGICAL WELLBEING	Medical and Healthcare	B06MH	SILVER
19	Aniza binti Ibrahim	Universiti Pertahanan Nasional Malaysia (UPNM)	Category B: Applied Research	A SUSTAINABLE APPROACH TO IMPROVE THE HYDAULIC PROPERTIES OF SUBGRADE USING MARBLE DUST AND COCONUT SHELL	Climate Change, Environment and Sustainability	B05CC	GOLD
20	Suhaila Ismail	Universiti Pertahanan Nasional Malaysia	Category B: Applied Research	SIMULASI PENYIASATAN JENAYAH (SiPenjenayah)	Education, Community Development and Social Science	B02SS	GOLD
21	Suhaila Ismail	Universiti Pertahanan Nasional Malaysia	Category B: Applied Research	Administrative Voting Security System using Advance Encryption Standard (AES) Algorithm	Frontier, Defence Technology and Defence Infrastructure	B02DT	GOLD
22	Norazrina Mat jali	Universiti Pertahanan Nasional Malaysia	Category B: Applied Research	Electron Beam Irradiated PVC Cable for Insulation Application	Energy and Water Security	B04EW	GOLD

23	Lau Sei Ping	Universiti Malaysia Sarawak	Category B: Applied Research	FloodWatch: A network of Hyperlocal, Street-Level Flood Mapping and Monitoring	Climate Change, Environment and Sustainability	B06CC	GOLD
24	Ng Choy Peng	Universiti Pertahanan Nasional Malaysia	Category B: Applied Research	Landslide Susceptibility and Elements at Risk in Kuala Lumpur	Humanitarian Assistance Disaster Relief	B01DR	GOLD
25	Azwan Abidin	Universiti Malaysia Sarawak (UNIMAS)	Category B: Applied Research	What's Left?	Climate Change, Environment and Sustainability	B07CC	GOLD
26	Eswaran A/L Madihlagan	Universiti Malaysia Sarawak (UNIMAS)	Category B: Applied Research	CouAZO- Sustainable Metal Free Super capacitor for Liquid Crystal Display and Optical Storage Device	Climate Change, Environment and Sustainability	B09CC	GOLD
27	Siti Nadirah Ab Rahim	Universiti Pertahanan Nasional Malaysia	Category B: Applied Research	Method verification study of plasma glucose assay: the evaluation of clinical fitness for purpose.	Medical and Healthcare	B08MH	SILVER

28	Fatimah Zahra binti Mohamad Rom	UPNM	Category B: Applied Research	Exploring the AI Odyssey: A Pilot Study with Medical Graduates Through the Lens of 'Digital Healers.' Assessing Preparedness and Experiences in AI during Undergraduate Studies and Working Life	Industrial Revolution 4.0/Cyber Security/Data Analytic/Artificial Intelligent	B02IR	GOLD
29	NUR AISYAH ABDUL FATAF	UNIVERSITI PERTAHANAN NASIONAL MALAYSIA	Category B: Applied Research	SECURE CHAOS-BASED AUDIO TRANSCEIVER	National Security	B01NS	GOLD
30	NOOR SYAZWANA BINTI ABD AZIZ	UNIVERSITI PERTAHANAN NASIONAL MALAYSIA	Category B: Applied Research	Smoothing Kinematics Data Using Functional Data Analysis Approach	Science, Technology, Engineering and Mathematics Education (STEM)	B02ST	GOLD
31	UMMU SALAMAH BINTI FAISAL	Universiti Pertahanan Nasional Malaysia	Category B: Applied Research	CONTINUOUS EDUCATION AND COACHING TO PERFECT THE TECHNIQUE AND IMPROVE BLOOD CULTURE VOLUME IN A MILITARY HOSPITAL.	Medical and Healthcare	B09MH	SILVER

32	HASLIZA ABU HASSAN	UNIVERSITI PERTAHANAN NASIONAL MALAYSIA	Category B: Applied Research	Ethical Challenges In Artificial Intelligence Integration In Medical Education And Its Recommendations Within the Bioethical Framework.	Medical and Healthcare	B10MH	GOLD
33	Zubaidah Hasain	FPKP, UPNM	Category B: Applied Research	Prediction of Future Diabetes Risk Among Post Gestational Diabetes Mellitus Women Using Machine Learning Algorithm	Medical and Healthcare	B11MH	GOLD
34	Nurulhuda A. Manaf	Universiti Pertahanan Nasional Malaysia	Category B: Applied Research	e-choreography : SBVR2Alloy	Science, Technology, Engineering and Mathematics Education (STEM)	B03ST	GOLD
35	VIKNESWARAN A/L MUNIKANAN	UPNM	Category B: Applied Research	THERMAL RESISTANT COMPOSITE BRICK	Climate Change, Environment and Sustainability	B08CC	GOLD

36	Nor Azliana Akmal binti Jamaludin	UPNM	Category B: Applied Research	Predictive Project Completion Date: Adopting Schedule Quality Index and Real Time Advance Analytics (ASQIRTA)	Industrial Revolution 4.0/Cyber Security/Data Analytic/Artificial Intelligent	B03IR	GOLD
37	Nur Fahimah binti Mohd Nassir	UPNM	Category B: Applied Research	Insider Threats: Exploring Human, Technical and Organisational Factors through Content Analysis	Industrial Revolution 4.0/Cyber Security/Data Analytic/Artificial Intelligent	B04IR	SILVER
38	NADIAWATI BINTI DATO' ABDUL RAZAK	Universiti Pertahanan Nasional Malaysia	Category B: Applied Research	The Potential Use of Ear Biometrics in Disaster Victim Identification.	Medical and Healthcare	B12MH	GOLD
39	Nur Sakinah binti Idris	Universiti Pertahanan Nasional Malaysia	Category B: Applied Research	MHD Flow and Heat Transfer Analysis of Hybrid Nanofluid due to Thermal Radiation, Joule heating and Thermal slip impacts	Science, Technology, Engineering and Mathematics Education (STEM)	B04ST	GOLD

40	DR. PM RIDZUAN	DR. RIDZ RESEARCH CENTRE	Category B: Applied Research	SABUN MANDIAN RAED	Medical and Healthcare	B13MH	GOLD
41	Nur Adnin Ahmad Zaidi	Universiti Pertahanan Nasional Malaysia	Category B: Applied Research	Beyond the Waves: Unveiling the Job Stress among Navy Personnel in East Coast, Peninsular Malaysia	Medical and Healthcare	B07MH	SILVER
42	Mazura binti Md Saman RMN (R)	UPNM	Category B: Applied Research	CoMIHL : Empowering Humanity Through Knowledge of Law	Education, Community Development and Social Science	B03SS	GOLD
43	Mardziah binti Shamsudin	Universiti Pertahanan Nasional Malaysia	Category B: Applied Research	INCLUSIVE-SDER INDEX: A Teaching and Language Learning Pedagogical Preparedness for Visually & Hearing-Impaired (Sensory Disabilities) Learners	Education, Community Development and Social Science	B04SS	GOLD